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Replies to initial written questions raised by Finance Committee Members in examining the Estimates of Expenditure 2017-18

Director of Bureau : Secretary for Innovation and Technology

Session No. : 9

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CONTROLLING OFFICER'S REPLY**ITB001****(Question Serial No. 2814)**

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

As stated under this Programme, the Government prepared for the signing of the Memorandum of Understanding with the Shenzhen Municipal Government to jointly develop the Lok Ma Chau Loop (the Loop). According to Mrs Carrie LAM, the former Chief Secretary for Administration responsible for signing the deal earlier, the land ownership issue of the Loop had been resolved and the Shenzhen side confirmed that Hong Kong “possesses in accordance with the law” the land ownership of the Loop. However, the Hong Kong Government is now required to provide the funding for the Loop to be jointly developed by Shenzhen and Hong Kong. In this connection, please advise this Committee on the following:

- (1) What are the detailed arrangements concerning the land ownership and management of the Loop? Please set out in table form the dates and venues of meetings held on this issue between the two sides as well as the parties involved in the past 3 years.
- (2) It is stated that while the Chairman of the Board of Directors is a representative from the Hong Kong side, one-third of the members are from the Hong Kong side, another one-third from the Shenzhen side, and the remaining one-third will be jointly nominated by both sides. As the number of representatives from the Hong Kong side among the remaining jointly-nominated members is uncertain, how can the Government effectively safeguard the interests of Hong Kong in the Board of Directors?
- (3) As arrangements will be implemented in the Loop to facilitate the exit and entry of the personnel of the Shenzhen side, some members of the public are worried that such arrangements will also make it easier for those personnel to become Hong Kong residents, and if any personnel of the Shenzhen side work in the Loop for over 7 consecutive years, it is possible that the period will be counted as their continuous working experience in Hong Kong to facilitate their migration to our city. In this

regard, will the Government also take into account this concern before putting in place the relevant measure to facilitate the entry of the said personnel?

Asked by: Hon CHAN Chi-chuen (Member Question No. 12)

Reply:

The required information is provided below:

- (1) On 3 January 2017, the Government of the Hong Kong Special Administrative Region (“HKSAR Government”) and the Shenzhen Municipal People’s Government (“both sides”) signed the “Memorandum of Understanding on Jointly Developing the Lok Ma Chau Loop by Hong Kong and Shenzhen” (“MOU”). According to the MOU, the Shenzhen side confirms that the HKSAR Government possesses in accordance with the law since 1 July 1997 the 4 sites (including the Loop) with a total area of 91 hectares originally within the administrative boundary of Shenzhen. The Hong Kong side also confirms that the Shenzhen Municipal People’s Government possesses in accordance with the law since 1 July 1997 the 5 sites with a total area of 12 hectares originally within the administrative boundary of the HKSAR. Besides, neither side is required to reimburse the other side any of the land resumption compensation previously and respectively paid for the said “cross-boundary” land. Both sides shall take the responsibility for tackling and settling any land ownership problems or claims involving interests in their respective “cross-boundary” land arising before such land was included within the administrative boundary of the other side.

According to the MOU, the HKSAR Government will be responsible for constructing the necessary infrastructure within the Loop and its surrounding area (including site formation and infrastructural facilities), and will lease the formed land within the Loop to the Hong Kong Science and Technology Parks Corporation (“HKSTPC”) by appropriate land disposal means for the development of the Hong Kong-Shenzhen Innovation and Technology Park (“the Park”). The HKSTPC will set up a wholly-owned subsidiary company (“subsidiary company”) to build the superstructure of the Park, as well as to operate, maintain and manage the same.

After negotiations, both sides signed the MOU on 3 January 2017 and held a press conference on the same day to introduce the project. Previous meetings between the both sides were communication at the government-to-government level. We are not able to disclose the relevant details unilaterally.

- (2) According to the MOU, both sides may, through the “Joint Task Force on the Development of the Hong Kong-Shenzhen Innovation and Technology Park” (“Joint Task Force”) established by the relevant departments of both governments, put forward to the HKSAR Government nominations for the Board of Directors of the subsidiary company for appointment by the HKSTPC in accordance with the relevant legislation of the HKSAR. There will be 10 directors on the Board, 4 of which (including the Chairman) will be nominated by the Hong Kong side, 3 by the Shenzhen side, and the remaining 3 will be jointly nominated by both sides, mainly comprising personnel from local and overseas top-notch research institutions, enterprises and universities. All

matters for determination shall be decided by a majority of votes of the members present and in the event of an equality of votes, the Chairman shall have a casting vote in addition to his original vote.

Members of the Board of Directors of the subsidiary company, including directors nominated by the Shenzhen side, will all be appointed by the HKSTPC in accordance with the relevant legislation of the HKSAR. Directors jointly nominated are decided by both sides through friendly negotiations. Hence, there is no chance that directorship will be taken up by persons only trusted by the Mainland but not accepted by Hong Kong. Hong Kong's possession of the right of appointment is sufficient to safeguard the interests of the Hong Kong side.

- (3) We anticipate that some of the people who will work or study in the Park in future will live in Shenzhen. These people will have to commute between Hong Kong and Shenzhen every day. According to the MOU, the Hong Kong side has agreed to take effective measures to facilitate the exit and entry of mutually approved personnel of the Shenzhen side. Concrete details of the arrangements will be studied and discussed by the relevant departments of both governments.

Mainland residents who wish to enter Hong Kong for whatever reason must go through the relevant procedures in accordance with the Basic Law and the relevant national laws. The Park is located in Hong Kong and Hong Kong laws are applicable. The exit and entry arrangements for the relevant personnel shall also be dealt with in accordance with the Basic Law and the relevant legislation of Hong Kong. Non-local persons (including Mainland residents) permitted to enter Hong Kong may apply for verification of their Hong Kong permanent resident status in accordance with the law if they fulfill the relevant requirements under the Basic Law and Hong Kong laws.

- End -

CONTROLLING OFFICER'S REPLY

ITB002

(Question Serial No. 2894)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the Matters Requiring Special Attention under this Programme, the Government indicates that it will co-ordinate the development of the Hong Kong Shenzhen Innovation and Technology Park in the Lok Ma Chau Loop in 2017-18. Will the Government inform this Committee of the staffing establishment for taking up this task and the annual provision for salaries required?

Asked by: Hon CHAN Chi-chuen (Member Question No. 45)

Reply:

In 2017-2018, the overall estimated expenditure of the Innovation and Technology Bureau is about \$178.2 million. The co-ordination work of the Hong Kong-Shenzhen Innovation and Technology Park in the Lok Ma Chau Loop Area will be handled by our existing manpower and resources. A breakdown of the expenditure is not available.

- End -

CONTROLLING OFFICER'S REPLY**ITB003****(Question Serial No. 4185)**

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

At present, smart spaces have become the business meeting points for many start-ups. Most start-up entrepreneurs are able to set up their own companies with just a computer and a mobile phone. The advantages of smart spaces lie in facilitating business, bringing together start-up entrepreneurs with similar goals and building up social network. One of the major incentives smart spaces provide, beside "a meeting point", is convenience, which is far more important. If situated in the urban area, smart spaces will be more convenient for start-up entrepreneurs to commute and will help save them travelling expenses. Has the Government considered building an area for the trade/putting up an area for hire outside Cyberport, near the urban area or at Government/Institution/Community (GIC) sites; encouraging conversion of under-utilised factory buildings into smart spaces; or even assisting various organisations in setting up smart spaces in different districts across the territory?

Asked by: Hon CHAN Chi-chuen (Member Question No. 154)

Reply:

To support the development of start-ups, Cyberport currently provides Smart-Space small office and co-working space for start-ups to rent well-equipped office units at affordable price. In view of the keen demand for these office units, Cyberport has increased its Smart-Space by 60% to 122 900 square feet in 2016, generating a total capacity for accommodating over 430 companies. 47 300 square feet of the Smart-Space are designated for FinTech companies. Cyberport will keep in view the demand of start-ups for Smart-Space and review the possibility of increasing Smart-Space in a timely manner. When necessary, Cyberport will consider operating Smart-Space or other forms of co-working space outside Cyberport.

On the other hand, the Incu-App Centre in the Science Park provides co-working space of around 10 000 square feet for use by start-ups participating in the Incu-Tech Programme of

the Hong Kong Science and Technology Parks Corporation (“HKSTPC”). Incubatees can also use the shared facilities of around 10 000 square feet inside the Science Park. The Soft Landing Centre in the Science Park provides co-working space of around 5 000 square feet to encourage technology companies to use Hong Kong as their base for developing businesses. Short-term workstations and support services would be provided to companies or individuals keen on seeking business opportunities in Hong Kong to develop technology businesses in Hong Kong. Besides, Lion Rock 72, a co-working space at the InnoCentre in Kowloon Tong was launched by the HKSTPC in October 2016, providing around 10 000 square feet for use by incubatees.

- End -

CONTROLLING OFFICER'S REPLY

ITB004

(Question Serial No. 0144)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

The estimated expenditure under Programme (2) for 2017-18 is 561.4% higher than the revised estimate for 2016-17. Please advise this Committee of the followings:

- 1) Please provide a breakdown of the expenditure and the reasons for the increase;
- 2) There will be an increase of 15 posts in the Innovation and Technology Bureau in 2017-18. What are these post and their respective job nature?

Asked by: Hon CHAN Chun-ying (Member Question No. 28)

Reply:

The information required is provided below.

- (1) The estimated expenditure of the Innovation and Technology Bureau (ITB) under Programme (2) for 2017-18 is \$162.7 million, which is \$138.1 million higher than the revised estimate for 2016-17. This is mainly due to:
 - (a) Provision of \$100 million being the cash flow requirement for the Innovation and Technology Fund for Better Living in 2017-18 to finance projects which improve Hong Kong people's daily life through adoption of innovation and technology;
 - (b) Provision of \$10 million being the cash flow requirements of the TechConnect (block vote) in 2017-18 to provide funding support to bureaux/departments for implementing projects which improve public service delivery or enhance operation efficiency by the adoption of technology; and
 - (c) An increase of about \$23 million in salaries and general departmental expenses in 2017-18 for the creation of 15 civil service posts and hiring of Non-Civil Service Contract staff etc.

(2) The posts to be created by ITB are as follows:

Rank	Number	Work Nature
Senior Administrative Officer	1	To strengthen support for policy formulation and administrative work.
Executive Officer I	1	
Analyst/Programmer I	1	
Supplies Supervisor I	1	
Assistant Clerical Officer	3	
Senior Executive Officer	1	To prepare for the establishment and implementation of the TechConnect (block vote).
Executive Officer I	1	
Executive Officer II	1	
Treasury Accountant	1	
Personal Secretary I	1	
Assistant Clerical Officer	3	
Total	15	

- End -

CONTROLLING OFFICER'S REPLY

ITB005

(Question Serial No. 0495)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

Under the Programme of the Innovation and Technology Bureau (ITB), it is mentioned that the ITB will co-ordinate the development of the Hong Kong-Shenzhen Innovation and Technology Park in the Lok Ma Chau Loop. In this regard, would the Government inform this Committee:

- a) of the estimated number of staff to be recruited and the estimated expenditure for carrying out such work?
- b) whether any measures are put in place to encourage technology companies to employ more local young people? For instance, economic incentives may be offered to companies employing local graduates in the form of a subsidy or other tax concessions during the probation period of the staff concerned.

Asked by: Hon CHAN Kin-por (Member Question No. 27)

Reply:

The required information is provided below:

- (a) The overall estimated expenditure of the ITB in 2017-18 is about \$178.2 million. The co-ordination work of the Hong Kong-Shenzhen Innovation and Technology Park in the Lok Ma Chau Loop will be absorbed by the existing manpower and resources. A breakdown of the expenditure is not available.
- (b) Currently, the Internship Programme under the Innovation and Technology Fund (ITF) provides subsidy to all research and development (R&D) projects approved under the ITF, incubatees and small and medium enterprise users of the Science Park and Cyberport as well as the start-ups to be funded by the Innovation and Technology Venture Fund to recruit 2 local university graduates to participate in their R&D as interns for a period up to 24 months.

It is announced in the 2017-18 Budget that a tax policy unit will be set up to actively study such proposals as enhanced tax deductions for innovation and technology expenditure. The Government will make a holistic consideration of various feasible and appropriate measures (including tax concessions) to boost innovation and technology development.

- End -

CONTROLLING OFFICER'S REPLY

ITB006

(Question Serial No. 3699)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title): (000) Operational expenses

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

1. Please set out in detail the achievements of the Bureau in promoting innovation and technology since its establishment, the expenditure and number of staff involved.
2. What are the anticipated progress and achievements of the work on developing local innovation and technology industries in 2017-2018? What are the estimated expenditure and manpower involved?
3. What are the anticipated progress and achievements of the work on promoting research and development (R&D) collaboration with the world's top-notch science and research institutes in 2017-2018? What are the estimated expenditure and manpower involved?
4. What are the anticipated progress and achievements of the work on promoting "re-industrialisation" through the development of smart production and high value-added industries in 2017-2018? What are the estimated expenditure and manpower involved?
5. What are the anticipated progress and achievements of the work on encouraging private sector investments in technology start-ups and R&D activities in 2017-2018? What are the estimated expenditure and manpower involved?
6. What are the anticipated progress and achievements of the work on supporting the formulation of digital framework and technical standards for smart city development in 2017-2018? What are the estimated expenditure and manpower involved?
7. What are the anticipated progress and achievements of the work on promoting the development of Hong Kong as a connected Wi-Fi city and facilitating the application of data in a more open manner in 2017-2018? What are the estimated expenditure and manpower involved?

8. What are the anticipated progress and achievements of the work on promoting the adoption of innovation and technology in addressing social issues in 2017-2018? What are the estimated expenditure and manpower involved?
9. What are the anticipated progress and achievements of the work on formulating policies to support the use of local technology products and services in 2017-2018? What are the estimated expenditure and manpower involved?
10. What are the anticipated progress and achievements of the work on formulating policies to augment the pool of innovation and technology talents in 2017-2018? What are the estimated expenditure and manpower involved?
11. What are the anticipated progress and achievements of the work on encouraging collaboration among institutions in developing innovation and technology in 2017-2018? What are the estimated expenditure and manpower involved?

Asked by: Hon CHAN Tanya (Member Question No. 528)

Reply:

The requested information is provided below:

- (1) Since the establishment of the Innovation and Technology Bureau (“ITB”) in November 2015, the Government has injected an additional sum of over \$18 billion to introduce a series of initiatives, with a view to promoting the development of innovation and technology (“I&T”) in Hong Kong from multiple aspects. These initiatives include: the \$2 billion Midstream Research Programme for Universities; Stage 1 of the Science Park Expansion Programme, with a cost of some \$4.4 billion; the project of an Advanced Manufacturing Centre and a Data Technology Hub, with a cost of some \$8.2 billion; the \$2 billion Innovation and Technology Venture Fund; the \$500 million Technology Voucher Programme; the \$500 million Innovation and Technology Fund for Better Living; the \$500 million project of Wi-Fi Connected City; and enhancement measures under the Research and Development Cash Rebate Scheme, Public Sector Trial Scheme and Internship Programme, involving a total expenditure of \$360 million.
- (2) & (4) The Government is committed to promoting “re-industrialisation”, developing high-end manufacturing industries that are based on new technologies and smart production but do not require too much land, with a view to identifying a new area of economic growth for Hong Kong and creating more quality and diversified employment opportunities.

In this connection, the Hong Kong Science and Technology Parks Corporation (“HKSTPC”) has revised the industrial estate (“IE”) policy, and is building a Data Technology Hub and an Advanced Manufacturing Centre in the Tseung Kwan O IE for promoting smart production. The two projects are expected to be completed in 2020 and 2021-22 respectively. Stage 1 of the expansion programme for the Hong Kong Science Park has also commenced to provide more technological infrastructure for the industry and is expected to be completed in 2020. As for long-term land planning, we have earmarked land for the future development of IEs near the

Liantang/Heung Yuen Wai Boundary Control Point. Besides, we will develop a “Hong Kong-Shenzhen Innovation and Technology Park” at the Lok Ma Chau Loop. The key base for cooperation in scientific research in the Park, together with the industrial strength of Shenzhen, is conducive to promoting commercialisation and industrialisation of research and development (“R&D”) outcomes. The Government expects that funding approval for advanced works and the design for Main Works Package 1 will be sought from the Legislative Council as early as in late 2017 or early 2018.

The Hong Kong Productivity Council (“HKPC”) has been vigorous in promoting “re-industrialisation” and assisting enterprises to move towards high value-added production and gradually into “Industry 4.0”. Officially accredited as an “Industry 4.0 Expert” by the Fraunhofer Institute for Production Technology of Germany, HKPC has been helping the industry gradually upgrade its operation towards “Industry 4.0”. Besides, HKPC will establish an Inno Space to provide workspace and technical support for users to develop their innovative ideas into industrial design, which may subsequently be translated into products through prototyping. The Inno Space is expected to come into operation within this year.

- (3) ITB is committed to promoting collaboration between Hong Kong and leading global scientific research institutes. The Government will continue to provide \$110 million each year to support the work of the 16 Partner State Key Laboratories and 6 Hong Kong Branches of the Chinese National Engineering Research Centres. We will focus on fostering the development of industries which enjoy advantages, including biotechnology, big data, Internet of Things, artificial intelligence and smart city, and will strive to attract the relevant scientific research institutes, universities and enterprises to Hong Kong.
- (5) To encourage the private sector to engage in R&D activities, we raised the level of cash rebate to 40% under the R&D Cash Rebate Scheme last year. In last December, we launched the Midstream Research Programme for Universities to encourage universities to collaborate with leading R&D institutes worldwide to conduct more inter-disciplinary and translational R&D work in key technology areas, so that more research outcomes could be made available for further downstream research work or product development.

The Finance Committee of the Legislative Council (“LegCo FC”) approved the funding of \$2 billion in mid-2016 to set up a \$2 billion Innovation and Technology Venture Fund, which will partner with selected venture capital (“VC”) funds to co-invest in local I&T start-ups at a matching investment ratio of approximately 1:2. We are now drawing up the relevant guidelines and criteria for the selection of qualified VC funds as partners. It is expected that the fund can be launched in mid-2017.

- (6) The Office of the Government Chief Information Officer has commissioned a consultancy study with a view to formulating a Smart City Development Blueprint for Hong Kong. The study covers different policy areas such as environment, healthcare and transport. The study is expected to be completed in mid-2017.

- (7) The LegCo FC approved the funding of \$500 million in May 2016 for the implementation of the “Wi-Fi Connected City” programme to progressively expand the coverage of free “Wi-Fi.HK” service. It is expected that about 4 000 Wi-Fi hotspots can be added in 2017-18. We have selected about 180 government venues across the 18 districts in Hong Kong to conduct a pilot project under the public-private collaboration model for the provision of Wi-Fi service that is free of charge in a limited period to the public. Places include land boundary control points, footbridges, parks, markets, etc. The service will be rolled out by phases starting from the second quarter of 2017. Based on the pilot results, we will formulate the long-term public-private collaboration model and the implementation details of the next stage. We expect that the public-private collaboration project will be fully implemented in the fourth quarter of 2017.
- (8) ITB has been promoting the adoption of I&T in addressing social issues, e.g. serving the elderly and underprivileged groups with the use of technology. The Government will continue to support R&D centres in applying their R&D outcomes in public sector organisations, and will promote digital inclusion to assist the underprivileged groups in using information technology (“IT”).

ITB will also launch a \$500 million Innovation and Technology Fund for Better Living (“FBL”) in mid-2017. FBL will finance I&T projects which make life more convenient, more comfortable and safer, or cater for the needs of specific groups. We have set up a secretariat to prepare for the launch of FBL with a view to inviting applications in mid-2017. It is hoped that the first batch of I&T projects can be implemented in 2018 to benefit the public.

- (9) The Government’s procurement policy is to obtain goods and services at the best value for money through open and fair competition. We neither favour nor discriminate against any supplier. As a member of the Agreement on Government Procurement of the World Trade Organization, Hong Kong has to abide by the relevant agreement. However, Hong Kong has also implemented some facilitation measures which are similar to those of other overseas member states, in order to encourage local suppliers to bid for government IT projects.

To further encourage more local small and medium enterprises (“SMEs”) to bid for government IT services contracts, the Office of the Government Chief Information Officer has introduced a number of enhancement measures in the new round of tendering exercise of the Standing Offer Agreement for Quality Professional Services (“QPS SOA”). They include raising the limit of contract value, increasing the number of contractors under the QPS SOA, relaxing the basic requirement for tendering in some service categories, and putting more emphasis on technical elements when making technical and price assessments. The Government will continue to actively study and adopt feasible measures to encourage local suppliers to bid for government IT projects.

- (10) The nurturing of talents is a crucial part in promoting local I&T development. In recent years, the Government has been vigorously promoting the development of the I&T industries, and the local I&T environment has greatly improved. The series of I&T infrastructure projects driven by the Government, such as the Data Technology Hub, Advanced Manufacturing Centre, Hong Kong Science Park expansion

programme, the future Hong Kong-Shenzhen Innovation and Technology Park at the Lok Ma Chau Loop, etc., are all conducive to attracting local young people to join the I&T field and overseas talents to come to Hong Kong. The Government has also introduced different initiatives for nurturing talents, such as the eight-year Enriched IT Programme in Secondary Schools introduced in the 2015/16 school year to provide in-depth IT training for students with potential in IT and arrange for internship opportunities for senior secondary students; and subsidise 85 secondary schools to organise IT activities in 2016 to cultivate students' creativity. In addition, we increased the monthly allowance of the Internship Programme last year and extended the programme to cover the incubatees and SME tenants of the HKSTPC and Cyberport, with a view to encouraging university students to join the I&T field. We also promote I&T culture through organising different I&T events, such as the InnoTech Month and InnoCarnival.

- (11) ITB will continue to encourage the collaboration and co-operation among various I&T institutions. ITB will proactively strengthen the ties with various stakeholders in the Government, industry, academic and research sectors, including the relevant Government departments, R&D Centres, universities, HKSTPC, Cyberport, HKPC, etc. We will revisit the work priorities and interactions of the various institutions from time to time, so as to ensure that the institutions can make good use of their resources, complement each other and create synergy, with a view to developing the I&T industry of Hong Kong in unison.

The overall estimated expenditure of ITB for 2017-18 is about \$ 178.2 million. ITB is taking forward the above-mentioned work in collaboration with its departments using existing manpower and resources. We do not have a breakdown of the expenditure involved for each work item.

- End -

CONTROLLING OFFICER'S REPLY**ITB007****(Question Serial No. 5559)**Head: (135) Government Secretariat: Innovation and Technology BureauSubhead (No. & title):Programme: Not SpecifiedControlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)Director of Bureau: Secretary for Innovation and TechnologyQuestion:

In regard to the growing cross-boundary co-operation between Hong Kong and the Mainland in recent years, please provide relevant information on Hong Kong/Mainland cross-boundary projects or programmes in which your bureau and the departments under your purview have been involved.

- (a) For the Hong Kong/Mainland cross-boundary projects or programmes, please provide information for the past 2 financial years as per the following table:

Title of project/programme	Details, objectives and whether it is related to the Framework Agreement on Hong Kong / Guangdong Co-operation (the Framework Agreement) or the National 13th Five-year Plan	Expenditure involved	Mainland official(s) and department(s)/ organisation(s) involved	Has any agreement been signed and whether it has been made public? If not, what are the reasons?	Progress (% completed, commencement date, target completion date)	Have the details, objectives, amount involved or impact on the public, society, culture and ecology been released to the public? If yes, through what channel(s) and what were the manpower and expenditure involved? If not, what were the reasons?	Has any public consultation on the cross-boundary project been conducted in Hong Kong?	Details of the legislative amendments or policy changes involved in the project/ programme

- (b) Has provision been earmarked for the Hong Kong/Mainland cross-boundary projects or programmes for this year (2016-17)? If yes, please provide information on these projects or programmes for 2016-17 as per the following table:

Title of project/programme	Details, objectives and whether it is related to the Framework Agreement or the National 13th Five-year Plan	Expenditure involved	Mainland official(s) and department(s)/organisation(s) involved	Has any agreement been signed and whether it has been made public? If not, what are the reasons?	Progress (% completed, commencement date, target completion date)	Have the details, objectives, amount involved or impact on the public, society, culture and ecology been released to the public? If yes, through what channel(s) and what were the manpower and expenditure involved? If not, what were the reasons?	Has any public consultation on the cross-boundary project been conducted in Hong Kong?	Details of the legislative amendments or policy changes involved in the project/programme

- (c) Apart from the projects or programmes listed above, are there any other modes of Hong Kong/Mainland cross-boundary co-operation? If yes, in what modes are they taken forward? What were the manpower and expenditure involved for the past year? How much expenditure and manpower has been earmarked in the 2016-17 Estimates?

Asked by: Hon CHEUNG Chiu-hung, Fernando (Member Question No. 4066)

Reply:

The requested information is provided below:

(a)&(b) The Hong Kong-Mainland cross-boundary projects in the past 2 years (2015-16 and 2016-17) and this year (2017-18) are tabulated as follows:

Department	Title of project/ programme	Details, objectives and whether it is related to the Framework Agreement on Hong Kong / Guangdong Co-operation (Framework Agreement) or the National 13th Five-year Plan	Expenditure involved	Mainland official(s) and department(s)/ organisation(s) involved	Has any agreement been signed and made public? If not, what are the reasons?	Progress (% completed, commencement date, target completion date)	Have the details, objectives, amount involved or impact on the public, society, culture and ecology been released to the public? If yes, through what channel(s) and what were the manpower and expenditure involved? If not, what were the reasons?	Has any public consultation on the cross- boundary project been conducted in Hong Kong?	Details of the legislative amendments or policy changes involved in the programme
Innovation and Technology Commission ("ITC")	The Guangdong- Hong Kong Technology Co-operation Funding Scheme ("TCFS")	It aims at providing research and development ("R&D") funding for Hong Kong- Guangzhou and Hong Kong- Shenzhen technological projects; enhancing collaboration among universities, research institutions and industries in both	No additional expenditure is involved.	Guangdong Provincial Department of Science and Technology ("GDSTD"), and the Science and Technology Innovation Commission of Shenzhen Municipality	No agreement has been signed.	A total of 26 TCFS projects were approved from 2015-16 to 2016-17, with Innovation and Technology Fund ("ITF") funding of about \$58 million. A total of 15 TCFS projects are expected to be approved in	ITC announces the TCFS application arrangements every year. The amount of funding for ITC-approved projects are uploaded to the ITC website. The application arrangements this year are expected to be announced in the second half of 2017.	It was mentioned in the Policy Agenda of 2004 Policy Address of the Chief Executive that the Government would work with GDSTD to further the co-operation on innovation and technology under the newly established Expert Group on Co-operation in	Not applicable

		places; and upgrading the technology level of industries in the Greater Pearl River Delta region. The TCFS is in line with the objective of enhancing regional competitiveness under the Framework Agreement.				2017-18 with an estimated ITF funding of about \$46 million.		Innovation and Technology under the Hong Kong-Guangdong Joint Co-operation Conference. TCFS was an initiative launched by the Expert Group in 2004.	
Office of the Government Chief Information Officer (“OGCIO”)	Mutual Recognition of Electronic Signature Certificates Issued by Hong Kong and Guangdong	This programme is an item under the Framework Agreement to enhance the security of cross-boundary e-commerce and other electronic services between the two sides.	No additional expenditure is involved.	Ministry of Industry and Information Technology (“MIIT”) and Economic and Information Commission of Guangdong Province (“GDEI”)	MIIT, GDEI and OGCIO signed the “Suggestions on the Framework for the Mutual Recognition of Electronic Signature Certificates” in 2009. The document is open for public information.	Ongoing	Details of the standing arrangement for mutual recognition of electronic signature certificates were announced in August 2012 via press release, website and press conference. For the press conference, the manpower involved was absorbed by internal resources. The expenditure incurred was HK\$6,000.	A study on the framework of the mutual recognition scheme was completed in 2012. The “Advisory Committee on Code of Practice for Recognised Certification Authorities” and the industry were consulted on the findings of the study. A summary of the study was published on OGCIO’s website.	Not applicable

OGCIO	Co-operation Agreement on Enhancing Cross-Boundary E-commerce (“Co-operation Agreement”)	It aims at promoting the development of cross-boundary e-commerce and strengthening co-operation of the e-commerce industry between the two sides.	No additional expenditure is involved.	Guangzhou Municipal Commission of Commerce (GZCC)	The Co-operation Agreement was signed with GZCC in September 2015. The document is open for public information.	Ongoing	Details of the Co-operation Agreement have been announced via press release. The relevant task was handled by existing manpower and resources. No additional expenditure is incurred.	A briefing on the Co-operation Agreement was provided to the relevant business associations and organisations in early 2016.	Not applicable
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- (c) Apart from the above programmes, OGCIO and GDEI have established the “Hong Kong/Guangdong Information and Communications Technology Expert Committee” (“Expert Committee”) in early 2016 to promote technology development and application of cloud computing, big data, Internet of Things and smart city, and formulate standards and guidelines in technical areas applicable to both places. The Expert Committee facilitates the industry players of both places to participate in the formulation of technical standards in international standards organisations, as well as explores collaboration opportunities for development of the industry. Manpower involved was absorbed by existing resources. There was no extra expenditure involved.

ITC also promotes the collaboration on Partner State Key Laboratories (“PSKLs”), Hong Kong Branches of Chinese National Engineering Research Centres (“CNERCs”), and National High-tech Industrialisation Partner Bases etc., with the Ministry of Science and Technology through the Mainland/Hong Kong Science and Technology Co-operation Committee. ITC also encourages Hong Kong’s research institutions, such as universities and R&D centres, as well as innovation and technology enterprises, to enhance co-operation with the Mainland in different areas of scientific research. The above duties are part of the work under Programme (4) “Planning for Innovation and Technology Development” of ITC. The revised estimated expenditure for 2016-17 and the estimated expenditure for 2017-18 under Programme (4) are \$46.5 million and \$55.8 million respectively, mainly for salaries and general departmental expenses. ITC does not have the breakdown on the expenditures for the work above. Furthermore, an annual funding of up to \$5 million is provided to each of the 16 PSKLs and the 6 Hong Kong Branches of CNERCs under the ITF. The actual expenditure for 2016-17 and the estimated expenditure for 2017-18 are \$97 million and \$110 million respectively.

On 3 January 2017, the Government of the Hong Kong Special Administrative Region and the Shenzhen Municipal People’s Government signed the “Memorandum of Understanding on Jointly Developing the Lok Ma Chau Loop” by Hong Kong and Shenzhen, agreeing to jointly develop the Lok Ma Chau Loop into “Hong Kong-Shenzhen Innovation and Technology Park”, setting up a key base for scientific research, as well as relevant higher education, cultural and creative and other complementary facilities, to attract top

enterprises, scientific research institutions and tertiary institutions from Hong Kong, Shenzhen, the Mainland and overseas. Meanwhile, the “Joint Task Force on the Development of the Hong Kong-Shenzhen Innovation and Technology Park in the Loop”, comprising representatives of Hong Kong and Shenzhen Governments, held its first meeting on 9 February 2017 in Shenzhen to discuss the relevant work arrangements. The revised estimated expenditure of the Innovation and Technology Bureau (“ITB”) for 2016-17 and overall estimated expenditure of ITB for 2017-18 are \$39.3 million and \$178.2 million respectively. Coordination work for the Park will be coped with by existing manpower and resources. A breakdown on the expenditure is not available.

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CONTROLLING OFFICER'S REPLY**ITB008****(Question Serial No. 5560)**Head: (135) Government Secretariat: Innovation and Technology BureauSubhead (No. & title):Programme: Not SpecifiedControlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)Director of Bureau: Secretary for Innovation and TechnologyQuestion:

Regarding the records management work of your bureau and the departments under its purview over the past year:

1. Please provide information on the number and rank of officers designated to perform such work. If there is no officer designated for such work, please provide information on the number of officers and the hours of work involved in records management duties, and the other duties they have to undertake in addition to records management;
2. Please list in the table below information on programme and administrative records which have been closed pending transfer to the Government Records Service (GRS) for appraisal;

Category	Years covered	Quantity and linear metres	Retention period approved by GRS	Are they confidential documents	Reasons for non-transfer

3. Please list in the table below information on programme and administrative records which have been transferred to GRS for retention;

Category	Years covered	Quantity and linear metres	Year of transfer to GRS	Retention period approved by GRS	Are they confidential documents

4. Please list in the table below information on records which have been approved for destruction by GRS;

Category	Years covered	Quantity and linear metres	Year of transfer to GRS	Retention period approved by GRS	Are they confidential documents

Asked by: Hon CHEUNG Chiu-hung, Fernando (Member Question No. 4075)

Reply:

The information sought is provided below.

Innovation and Technology Bureau

1. In accordance with the Government's records management policy, this Bureau has designated staff of different ranks to perform records management duties as follows:
 - (i) 1 Chief Executive Officer (CEO) serving as Departmental Records Manager (DRM) to devise, carry out and document departmental records management practices and procedures according to the guidelines and advice of GRS;
 - (ii) 1 Executive Officer (EO) II serving as Assistant Departmental Records Manager (ADRM) to assist the DRM in the execution of the duties concerned; and
 - (iii) 3 Clerical Officers (COs), 4 Assistant Clerical Officers (ACOs), 2 Clerical Assistants (CAs) and 3 Personal Secretaries (PSs) I being responsible for the execution of certain records management duties.

In the course of performing daily duties, officers of different ranks in this Bureau are involved in related records management work to meet operational needs.

- 2, 3 & 4. The Innovation and Technology Bureau does not have any programme and administrative records which have been closed pending transfer to GRS for appraisal, transferred to GRS for retention or approved for destruction by GRS.

Office of the Government Chief Information Officer

1. In accordance with the Government's records management policy, the Office of the Government Chief Information Officer (OGCIO) has designated staff of different ranks to perform records management duties as follows:
 - (i) 1 CEO serving as DRM to devise, carry out and document departmental records management practices and procedures according to the guidelines and advice of GRS;
 - (ii) 1 Senior Executive Officer serving as ADRM to assist the DRM in the execution of the duties concerned;

(iii) 3 EOs I, 1 EO II, 3 Senior Clerical Officers (SCOs), 1 Accounting Officer I, 1 Chief Training Officer, 1 Computer Operation Manager and 1 Senior Supplies Officer being responsible for supervising records management in different divisions/sections; and

(iv) 4 COs, 8 ACOs, 1 PS II and 1 Computer Operator I being responsible for the execution of certain records management duties.

In the course of performing daily duties, officers of different ranks in the OGCI O are involved in related records management work to meet operational needs.

2. Information on programme and administrative records which have been closed pending transfer to GRS for appraisal is as follows:

Category	Years covered	Quantity and linear metres	Retention period approved by GRS	Are they confidential documents	Reasons for non-transfer
Administrative records	2004-2016	25 records/ 1.25 linear metres	3-13 years	Yes: 4 No: 21	The retention period approved by GRS is not yet expired
Programme records	2005-2016	6 records/ 0.3 linear metre	14 years	Yes: 1 No: 5	

3. Information on programme and administrative records which have been transferred to GRS for retention is as follows:

Category	Years covered	Quantity and linear metres	Year of transfer to GRS	Retention period approved by GRS	Are they confidential documents
Administrative records	1965-2007	125 records/ 0.6 linear metre	2016	3-5 years; or 7 years after the officer has left the service	Yes: 0 No: 125
Programme records	Not applicable (N.A.)	N.A.	N.A.	N.A.	N.A.

4. Information on records which have been approved for destruction by GRS is as follows:

Category	Years covered	Quantity and linear metres	Year of transfer to GRS	Retention period approved by GRS	Are they confidential documents
Administrative records	1971-2006	61 records/ 2.62 linear metres	2016	2-5 years; or 7 years after the officer has left the service	Yes: 0 No: 61

Category	Years covered	Quantity and linear metres	Year of transfer to GRS	Retention period approved by GRS	Are they confidential documents
Programme records	1979-2000	2 558 records/ 127.9 linear metres	2016	14 years	Yes: 82 No: 2 476

Innovation and Technology Commission

1. In accordance with the Government's records management policy, the Innovation and Technology Commission (ITC) has designated staff of different ranks to perform departmental records management duties and report to a directorate officer responsible for overseeing such work:
 - (i) 1 CEO serving as the DRM to assist in establishing and implementing the departmental records management programme;
 - (ii) 2 EOs I serving as ADRMs to assist the DRM in the execution of the duties concerned; and
 - (iii) 8 officers not below the rank of EO II serving as the Records Managers to monitor the records management of various divisions.

In addition, each division of the ITC has its own general registry with clerical grade staff responsible for filing and records management routines. In terms of manpower, there are 1 SCO, 10 COs, 28 ACOs and 13 CAs.

2. Information on programme and administrative records which have been closed pending transfer to GRS for appraisal is as follows:

Category	Years covered	Quantity and linear metres	Retention period approved by GRS	Are they confidential documents	Reasons for non-transfer
Programme records	2001-2016	717 records/ 33.31 linear metres	1-25 years	No	The retention period approved by GRS is not yet expired
Programme records	2002-2016	182 records/ 9.07 linear metres	8-25 years	Yes	
Administrative records	2006-2016	38 records/ 1.9 linear metres	2-5 years	No	
Administrative records	2012-2016	8 records/ 0.4 linear metre	3 years	Yes	

3. Information on programme and administrative records which have been transferred to GRS for retention is as follows:

Category	Years covered	Quantity and linear metres	Year of transfer to GRS	Retention period approved by GRS	Are they confidential documents
Programme records	1972-1983	14 records/ 0.56 linear metre	2015	30 years	No
Programme records	1975-1983	21 records/ 0.84 linear metre	2015	30 years	Yes

4. Information on records which have been approved for destruction by GRS is as follows:

Category	Years covered	Quantity and linear metres	Year of transfer to GRS	Retention period approved by GRS	Are they confidential documents
Programme records	1982-2012	5 925 records/ 54.93 linear metres	2015-2016	1-30 years	No
Programme records	2009-2012	2 records/ 0.09 linear metre	2015	Half a year	Yes
Administrative records	1981-2013	684 records/ 27.84 linear metres	2015-2016	Retained according to the General Administrative Records Disposal Schedules of GRS, generally for 2-5 years after closure of the files	No

- End -

CONTROLLING OFFICER'S REPLY**ITB009****(Question Serial No. 5564)**Head: (135) Government Secretariat: Innovation and Technology BureauSubhead (No. & title):Programme: (2) Innovation and TechnologyControlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)Director of Bureau: Secretary for Innovation and TechnologyQuestion:

Please provide information in the following format regarding consultancy studies (if any) commissioned by the Innovation and Technology Bureau and the departments under its purview for the purpose of formulating and assessing policies.

- (a) Please provide information in the table below on the studies on public policy and strategic public policy for which funds were allocated over the past 2 financial years:

Name of Consultant	Mode of award (public bidding/tender/ others (please specify))	Title, content and objectives of project	Consultancy fee (\$)	Start date	Progress of study (under planning/ in progress/ completed)	Follow-ups taken by the Government on the study reports and their progress (if any)	If completed, have they been made public? If yes, through what channel(s)? If not, what were the reasons?

- (b) Are there any projects for which funds have been reserved for conducting internal studies this year? If yes, please provide the following information:

Title, content and objectives of project	Start date	Progress of study (under planning/in progress/completed)	Follow-ups taken by the Government on the study reports and their progress (if any)	For the projects that are expected to be completed this year, is there any plan to make them public? If yes, through what channel(s)? If not, what are the reasons?

- (c) Are there any projects for which funds have been reserved for conducting consultancy studies this year? If yes, please provide the following information:

Name of consultant	Mode of award (public bidding/tender /others (please specify))	Title, content and objectives of project	Consultancy fee (\$)	Start date	Progress of study (under planning/ in progress/ completed)	Follow-ups taken by the Government on the study reports and their progress (if any)	For the projects that are expected to be completed this year, is there any plan to make them public? If yes, through what channel(s)? If not, what are the reasons?

- (d) What are the criteria for considering the award of consultancy projects to the research institutions concerned?

Asked by: Hon CHEUNG Chiu-hung, Fernando (Member Question No. 4555)

Reply:

The information sought is provided as follows:

- (a) The studies on public policy and strategic public policy for which funds were allocated by Innovation and Technology Bureau and the departments under its purview in 2015-16 and 2016-17 include:

Name of Consultant	Mode of award (public bidding/ tender/ others (please specify))	Title, content and objectives of project	Consultancy fee (\$)	Start date	Progress of study (under planning/ in progress/ completed)	Follow-ups taken by the Government on the study reports and their progress (if any)	If completed, have they been made public? If yes, through what channel(s)? If not, what were the reasons?
PricewaterhouseCoopers Ltd	Tender	<u>Title</u> Review on "Government Wi-Fi" programme <u>Content and Objectives</u> Review and propose the future direction of the "Government Wi-Fi" programme beyond 2017.	1.262 million	June 2015	Completed	Having regard to the recommendation of the consultant firm, the Government is implementing the "Wi-Fi Connected City" programme to further expand the coverage of "Wi-Fi.HK" brand. The aim is to increase the number of "Wi-Fi.HK" hotspots to 34 000 in 2019.	As part of the consultancy report contains commercial information and materials to be used for tendering purpose, it will not be published.
PricewaterhouseCoopers	Tender	<u>Title</u>	5 million	September 2016	In progress	---	The Administration

Advisory Services Limited		<p>Study on the Development of Hong Kong as a Smart City</p> <p><u>Content</u></p> <p>To study the information technology infrastructure required for smart city development in Hong Kong and formulate digital framework and standards, and initiatives / proposals.</p> <p><u>Objective</u></p> <p>To formulate a blueprint for smart city development in Hong Kong.</p>					will brief relevant Panel of the Legislative Council on the study findings.
KPMG Advisory (Hong Kong) Limited	Tender	<p><u>Title</u></p> <p>Study on Promoting the Use of Digital Certificates and Institutional Arrangements for Public Certification Authority Service</p> <p><u>Content</u></p> <p>To explore ways to promote use of digital certificates in e-commerce and e-government and review the institutional arrangements for public certification authority service, including use of mobile technologies to enhance the use of digital certificates.</p> <p><u>Objective</u></p> <p>To create a secure and reliable infrastructure for</p>	4.117 million	December 2016	In progress	---	The Administration will brief relevant Panel of the Legislative Council on the study findings.

		the development of e-commerce and smart city.					
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- (b) and (c) Funding for conducting internal studies and consultancy studies in 2017-18 have been included in the consultancy fees of the last two studies in the above table.
- (d) We assess the consultancy proposals received in accordance with the contents of the tender document and the established procedures. The areas of assessment include the consultant's understanding of the study, relevant expertise and experiences, the proposed research methodology, work plan and timetable, and price quotations.

- End -

CONTROLLING OFFICER'S REPLY**ITB010****(Question Serial No. 5565)**Head: (135) Government Secretariat: Innovation and Technology BureauSubhead (No. & title):Programme: (1) Director of Bureau's OfficeControlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)Director of Bureau: Secretary for Innovation and TechnologyQuestion:

Please give details of the meetings with, visits to or exchanges with the relevant Mainland authorities by the Department in the past year by setting out in chronological order the following information of each trip: (1) the purpose and place of the trip; (2) the post titles of officials met; (3) the number and post titles of Hong Kong officials in entourage; (4) the number of days of the trip; and (5) the total expenditure involved, including expenses on (i) transportation (air tickets and local transportation); (ii) accommodation; (iii) meals; (iv) banquets or entertainment; and (v) gifts.

Date	(a)	(b)	(c)	(d)	(e)	(i)	(ii)	(iii)	(iv)

Asked by: Hon CHEUNG Chiu-hung, Fernando (Member Question No. 4556)Reply:

Details of the duty visits to the Mainland conducted by staff of the Innovation and Technology Bureau in 2016-17 (as at 28 February 2017) are as follows:

Date of visit (no. of visits and duration)	Place of visit	Size of entourage	Purpose of visit	Passage expenses (HK\$)	Hotel expenses (HK\$)	Other expenses^{Note} (HK\$)	Total expenditure (HK\$)
2016-17 (13 visits) (Total: 24 days)	Huizhou, Shenzhen, Guiyang, Guangzhou, Nanchang, Wuzhen in Zhejiang Province, and Beijing	0-2 for each visit	To attend meetings and events, and conduct exchanges (e.g. attending the World Internet Conference and technology seminars, and meeting with government officials, local bodies, and personnel of innovation and technology organisations)	About 83,000	About 5,000	About 33,000	About 120,000

Note: Other expenses included subsistence allowance and entertainment expenses. During the visits stated above, the Bureau's entertainment activities complied with the relevant requirements on expenses, and no expenses on gifts were incurred.

- End -

CONTROLLING OFFICER'S REPLY**ITB011****(Question Serial No. 5671)**Head: (135) Government Secretariat: Innovation and Technology BureauSubhead (No. & title): (000) Operational expensesProgramme: Not SpecifiedControlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)Director of Bureau: Secretary for Innovation and TechnologyQuestion:

Please provide the details of duty visits made by the Secretary and the Under Secretary in the past 5 years. In respect of each visit, please list by date the (a) purpose and destination; (b) post titles of the local officials met; (c) number and post titles of the Hong Kong officials in the entourage; (d) duration; and (e) total expenditures involved and the respective expenses on (i) transportation (list out both the expenses on air tickets and local transportation), (ii) accommodation, (iii) meals, (iv) receptions or entertainment and (v) gifts.

Date	(a)	(b)	(c)	(d)	(e)	(i)	(ii)	(iii)	(iv)	(v)

Asked by: Hon CHEUNG Chiu-hung, Fernando (Member Question No. 4060)Reply:

Details of the duty visits made by the Secretary and Under Secretary since the establishment of the Innovation and Technology Bureau on 20 November 2015 and up to 28 February 2017 are as follows:

Secretary for Innovation and Technology

Date of visit (no. of visits)	Place of visit and duration	Purpose of visit	Size of entourage	Passage expenses (HK\$) (A)	Hotel expenses (HK\$) (B)	Other expenses^{Note} (HK\$) (C)	Total expenditure (HK\$) (A)+(B)+(C)
2015-16 (4 visits)	Wuzhen and Hangzhou in Zhejiang Province, Beijing and Hainan (Total: 10 days)	To attend meetings and events, and conduct exchanges (e.g. attending the World Internet Conference, and meeting with government officials and local bodies)	0-2 for each visit	About 51,000	About 24,000	About 16,000	About 91,000
2016-17 (as at 28 February 2017) (12 visits)	Huizhou, Shenzhen, Guiyang, Guangzhou, Nanchang, Wuzhen in Zhejiang Province, Beijing, Vienna in Austria, Toulouse and Paris in France, Frankfurt, Bayreuth, Amberg and Munich in Germany, and San Francisco in the United States (Total: 32 days)	To attend meetings and events, and conduct exchanges (e.g. attending the World Internet Conference and technology seminars, and meeting with government officials, local bodies, and personnel of innovation and technology organisations)	0-2 for each visit	About 446,000	About 84,000	About 85,000	About 615,000

Note: Other expenses included subsistence allowance and entertainment expenses. During the visits stated above, the Bureau's entertainment activities complied with the relevant requirements on expenses, and no expenses on gifts were incurred.

Under Secretary for Innovation and Technology (the post was vacant between 20 November 2015 and 29 February 2016)

Date of visit (no. of visits)	Place of visit and duration	Purpose of visit	Size of entourage	Passage expenses (HK\$) (A)	Hotel expenses (HK\$) (B)	Other expenses^{Note} (HK\$) (C)	Total expenditure (HK\$) (A)+(B)+(C)
2015-16	Not applicable	Not applicable	Not applicable	0	0	0	0
2016-17 (as at 28 February 2017) (5 visits)	Beijing, Shenzhen and Guangzhou (Total: 10 days)	To attend meetings and events, and conduct exchanges (e.g. meeting with government officials, local bodies, and personnel of innovation and technology organisations)	No entourage	About 31,000	About 2,000	About 15,000	About 48,000

Note: Other expenses included subsistence allowance. During the visits stated above, no expenses on entertainment or gifts were incurred by the Bureau.

- End -

CONTROLLING OFFICER'S REPLY

ITB012

(Question Serial No. 6628)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

It is mentioned in paragraph 48 of the Budget Speech that innovation and technology can help improve the quality of living of the public. As innovation and technology can also be of considerable assistance in meeting certain needs of persons with disabilities, such as sign language interpretation, service outlines and employment support, etc., will the Government advise on the work progress and arrangement in this respect?

Asked by: Hon CHEUNG Chiu-hung, Fernando (Member Question No. 2253)

Reply:

It is stated in paragraph 125 of the speech on the Appropriation Bill 2017 that the Innovation and Technology Bureau will launch a \$500 million Innovation and Technology Fund for Better Living ("FBL") by the middle of this year. The FBL will subsidise innovation and technology ("I&T") projects which will bring more convenient, more comfortable and safer living to the public, or addressing the needs of specific community groups. We have set up a Secretariat to prepare for the launch of the FBL which will be open for applications in mid-2017. It is hoped that the first batch of I&T projects can be rolled out in 2018 to benefit the public.

Eligible applicants of the FBL include: subvented non-government organisations or non-profit-making organisations, public bodies, trade associations and professional bodies. A successful project will receive a maximum grant equivalent to 90% of the total costs of the project or \$5 million, whichever is the less. The maximum funding period of a project is three years, including a 12-month development period followed by a two-year running period.

The assessment criteria of the FBL include: benefits brought to the general public or specific community groups by the project, I&T content, feasibility and sustainability, cost-effectiveness, and the experience and management capability of the applicant. An Assessment Panel comprising representatives from the technology field, the academia and the industry will be formed to assess eligible applications.

- End -

CONTROLLING OFFICER'S REPLY

ITB013

(Question Serial No. 0896)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

Under Programme (2), there is a substantial increase in the provision for next year, which is \$138.1 million (561.4%) higher than the revised estimate for this year. This is mainly due to the increased cash flow requirement for the Innovation and Technology Fund for Better Living, increased cash flow requirement for capital item, and an increase of 15 posts. Please explain the correlation between the setting up of the \$500 million Innovation and Technology Fund for Better Living and the increased cash flow requirement. Would the Government provide a detailed account of the expenditures involved? Moreover, what are the ranks of the 15 new posts and the expenditure involved?

Asked by: Hon CHEUNG Wah-fung, Christopher (Member Question No. 34)

Reply:

On 24 June 2016, the Finance Committee of the Legislative Council approved the creation of a new commitment of \$500 million for the establishment of the Innovation and Technology Fund for Better Living ("FBL") to meet the funding requirements of applications under FBL in the 5 years starting from 2017-18. While the estimated cash flow of FBL for 2017-18 is \$100 million, the actual cash flow will depend on the number of applications received and projects approved.

The 15 posts to be created in the Innovation and Technology Bureau include 1 Senior Administrative Officer, 1 Senior Executive Officer, 1 Treasury Accountant, 1 Analyst/Programmer I, 1 Executive Officer II, 1 Supplies Supervisor I, 1 Personal Secretary I, 2 Executive Officer I and 6 Assistant Clerical Officer. The expenditure involved is about \$8.82 million.

- End -

CONTROLLING OFFICER'S REPLY

ITB014

(Question Serial No. 4577)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (1) Director of Bureau's Office

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

Please give a breakdown of the actual expenditure on salaries, regularly-paid allowances, job-related allowances and non-accountable entertainment allowance payable to the Secretary in 2016-17, as well as the estimate for salaries, regularly-paid allowances, job-related allowances and non-accountable entertainment allowance payable to the Secretary in 2017-18.

Asked by: Hon KWOK Ka-ki (Member Question No. 73)

Reply:

In 2016-17, the expenditure on salary in respect of the position of the Secretary for Innovation and Technology (S for IT) was \$3.58 million. In 2017-18, the salary provision set aside for the S for IT is \$3.58 million. In 2016-17, we do not have any expenditure on regularly-paid allowances, job-related allowances and non-accountable entertainment allowance for the S for IT. We do not have any estimate of expenditure on these allowances in 2017-18.

- End -

CONTROLLING OFFICER'S REPLY

ITB015

(Question Serial No. 4578)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (1) Director of Bureau's Office

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

Please give a breakdown of the actual expenditure on salaries, regularly-paid allowances, job-related allowances and non-accountable entertainment allowance payable to the Under Secretary in 2016-17, as well as the estimate for salaries, regularly-paid allowances, job-related allowances and non-accountable entertainment allowance payable to the Under Secretary in 2017-18.

Asked by: Hon KWOK Ka-ki (Member Question No. 74)

Reply:

In 2016-17, the expenditure on salary in respect of the position of the Under Secretary for Innovation and Technology (US for IT) is \$2.33 million. In 2017-18, the salary provision set aside for the US for IT is \$2.33 million. In 2016-17, we do not have any expenditure on regularly-paid allowances, job-related allowances and non-accountable entertainment allowance for the US for IT. We do not have any estimate of expenditure on these allowances in 2017-18.

- End -

CONTROLLING OFFICER'S REPLY

ITB016

(Question Serial No. 4579)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (1) Director of Bureau's Office

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

Please give a breakdown of the actual expenditure on salaries, regularly-paid allowances, job-related allowances and non-accountable entertainment allowance payable to the Political Assistant in 2016-17, as well as the estimate for salaries, regularly-paid allowances, job-related allowances and non-accountable entertainment allowance payable to the Political Assistant in 2017-18.

Asked by: Hon KWOK Ka-ki (Member Question No. 75)

Reply:

In 2016-17, the expenditure on salary in respect of the position of the Political Assistant to Secretary for Innovation and Technology is \$1.25 million. In 2017-18, the salary provision set aside for the Political Assistant is \$1.25 million. In 2016-17, we do not have any expenditure on regularly-paid allowances, job-related allowances and non-accountable entertainment allowance for the Political Assistant. We do not have any estimate of expenditure on these allowances in 2017-18.

- End -

CONTROLLING OFFICER'S REPLY

ITB017

(Question Serial No. 6915)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title): (000) Operational expenses

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

Is it the case that the Shenzhen Municipal Government has the ownership of the “Hong Kong/Shenzhen Innovation and Technology Park” without having to invest in the development of the area?

Asked by: Hon KWOK Ka-ki (Member Question No. 58)

Reply:

According to the “Memorandum of Understanding on Jointly Developing the Lok Ma Chau Loop by Hong Kong and Shenzhen” signed between the Government of the Hong Kong Special Administrative Region (“HKSAR Government”) and Shenzhen Municipal Government on 3 January 2017, the Shenzhen side confirms that the HKSAR Government possesses the Loop in accordance with the law since 1 July 1997. The HKSAR Government will be responsible for constructing the necessary infrastructure within the Loop and its surrounding area (including site formation and infrastructural facilities), and will lease the formed land within the Loop to the Hong Kong Science and Technology Parks Corporation (“HKSTPC”) by appropriate land disposal means for the development of “Hong Kong-Shenzhen Innovation and Technology Park” (“the Park”). HKSTPC will set up a wholly-owned subsidiary company to build the superstructure of the Park, as well as to operate, maintain and manage the same. The Shenzhen side does not have the ownership of the Park. The Park is solely owned by the HKSAR Government.

- End -

CONTROLLING OFFICER'S REPLY

ITB018

(Question Serial No. 6916)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title): (000) Operational expenses

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

Will the Government grant land to the Hong Kong Science and Technology Parks Corporation for the development at the Loop without compensation?

Asked by: Hon KWOK Ka-ki (Member Question No. 59)

Reply:

According to the “Memorandum of Understanding on Jointly Developing the Lok Ma Chau Loop by Hong Kong and Shenzhen” signed by both sides on 3 January 2017, the Hong Kong Special Administrative Region Government will lease the formed land within the Loop to the Hong Kong Science and Technology Parks Corporation by appropriate land disposal means for the development of Hong Kong-Shenzhen Innovation and Technology Park. The specific means of land disposal are to be determined.

- End -

CONTROLLING OFFICER'S REPLY

ITB019

(Question Serial No. 2526)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: Not Specified

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

The Budget proposed to reserve \$10 billion for supporting innovation and technology (I&T) development in Hong Kong. How is the relevant expenditure calculated? For how many years can the \$10 billion injection be used? What kind of projects will be the main target of the funding support?

Asked by: Hon LAM Kin-fung, Jeffrey (Member Question No. 38)

Reply:

It is announced in the 2017-18 Budget that \$10 billion will be reserved for supporting innovation and technology ("I&T") development in Hong Kong. We will make a holistic consideration of various feasible and appropriate uses, such as enhancing or extending effective projects (including projects under the Innovation and Technology Fund), and implementing new initiatives to further enhance the local I&T ecosystem. When a specific plan is available, we will apply for using the reserved provision through the internal government resource allocation mechanism and seek funding approval from the Legislative Council in accordance with established procedures. The number of years for which the provision can be used will be subject to the requirements and actual operation of the specific plan to be formulated. We are unable to provide the relevant information at this stage.

- End -

CONTROLLING OFFICER'S REPLY

ITB020

(Question Serial No. 2792)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

Provision for 2017-18 is \$138.1 million (561.4%) higher than the revised estimate for 2016-17.

(a) What are the reasons for that? In comparison to the 2016-17 original/revised estimate, please provide detailed explanations and an estimated breakdown of the expenditures in question.

Asked by: Hon LEUNG Kenneth (Member Question No. 13)

Reply:

The estimated expenditure of the Innovation and Technology Bureau under Programme (2) for 2017-18 is \$162.7 million, which is \$134.0 million higher than the original estimate for 2016-17 or \$138.1 million higher than the revised estimate for 2016-17. The increase in the estimate for 2017-18 is mainly due to:

- (a) Provision of \$100 million being the cash flow requirement of the Innovation and Technology Fund for Better Living to finance projects which improve Hong Kong people's daily life through adoption of innovation and technology;
- (b) Provision of \$10 million being the cash flow requirement of the TechConnect (block vote) to provide funding support to bureaux/departments for implementing projects which improve public service delivery or enhance operation efficiency by the adoption of technology; and
- (c) An increase of about \$23 million in salaries and general departmental expenses for the creation of 15 civil service posts and hiring of non-civil service contract staff, etc.

- End -

CONTROLLING OFFICER'S REPLY**ITB021****(Question Serial No. 2951)**Head: (135) Government Secretariat: Innovation and Technology BureauSubhead (No. & title): (000) Operational expensesProgramme: Not SpecifiedControlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)Director of Bureau: Secretary for Innovation and TechnologyQuestion:

There will be 4 directorate civil servants in the Innovation and Technology Bureau for this financial year. Please advise this Committee of their respective ranks as well as the amount of salary and benefits for each of them.

Asked by: Hon LEUNG Kwok-hung (Member Question No. 31)Reply:

The requested information is as follows:

Rank	Number	Salary for respective rank (HK\$)	Benefits
Administrative Officer Staff Grade A1	1	\$265,750-\$273,700	Determined in accordance with the relevant officer's employment terms, application criteria and the existing civil service mechanism.
Administrative Officer Staff Grade B	1	\$187,750-\$204,950	
Administrative Officer Staff Grade C	2	\$161,450-\$176,550	
Total	4		

- End -

CONTROLLING OFFICER'S REPLY

ITB022

(Question Serial No. 5055)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title): (000) Operational expenses

Programme: Not Specified

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

The estimated expenditure on salaries for this year is \$35.93 million, a 50% increase compared with the revised budget of \$23.95 million last year. According to the Bureau, this is due to the upcoming creation of 15 posts. When calculating based on the existing establishment of 43 staff, the rate of increase is as high as 35%. For a bureau having been established for merely more than a year, the increase in manpower is drastic. In this connection, will the Government inform this Committee of the scope of work, ranks and pay scales of these new posts, as well as the salaries and benefits offered to the staff concerned.

Asked by: Hon LEUNG Kwok-hung (Member Question No. 579)

Reply:

Details of the 15 posts to be created in the Innovation and Technology Bureau in 2017-18 are provided as follows:

Rank	Number	Salary of respective rank (HK\$)	Work nature	Benefits
Senior Administrative officer	1	\$105,880-\$121,985	To strengthen policy formulation and administrative support.	Determined in accordance with the employment terms of the relevant officers, the application criteria and the existing civil service mechanism.
Executive Officer I	1	\$51,780-\$65,150		
Analyst/ Programmer I	1	\$51,780-\$65,150		
Supplies Supervisor I	1	\$29,455-\$37,570		
Assistant Clerical Officer	3	\$13,735-\$28,040		
Senior Executive Officer	1	\$65,740-\$99,205	To prepare for the establishment and implementation of the TechConnect (block vote).	
Executive Officer I	1	\$51,780-\$65,150		
Executive Officer II	1	\$28,040-\$49,445		
Treasury Accountant	1	\$56,755-\$99,205		
Personal Secretary I	1	\$29,455-\$37,570		
Assistant Clerical Officer	3	\$13,735-\$28,040		
Total	15			

- End -

CONTROLLING OFFICER'S REPLY

ITB023

(Question Serial No. 5056)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: Not Specified

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

The provision of \$10 million under Subhead 697 TechConnect (block vote) provides funding support to bureaux/departments for implementing projects which improve quality, efficiency or effectiveness of public services delivery by the adoption of technology or to make use of technology to improve operations that will bring benefits to members of public. In this connection, please inform this Committee of the various programmes, the nature, contents and target groups of the projects, relevant bureaux/departments involved and the estimated time for the implementation and completion of the projects under the provision.

Asked by: Hon LEUNG Kwok-hung (Member Question No. 580)

Reply:

The Government has earmarked \$500 million for the Innovation and Technology Bureau to assist government departments in using technologies to enhance the quality of public services in the next 5 years. The fund earmarked will be used to support technology projects conceived and taken forward by departments, including pilot projects. We are considering the detailed operational arrangements for the fund, which include the establishment of an internal committee, vetting criteria and project monitoring, etc. Since we are yet to invite applications from government departments for the time being, we are unable to provide the estimated time for the implementation and completion of the projects.

- End -

CONTROLLING OFFICER'S REPLY

ITB024

(Question Serial No. 5110)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title): (000) Operational expenses

Programme: (1) Director of Bureau's Office, (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

Please advise this Committee, in tabular form, on the estimated expenditure in respect of the following posts in 2017-18, with information on staff establishment, ranks, salaries and relevant allowances for directorate officers, as well as the amount of personnel related expenses:

Under Secretary for Innovation and Technology
Administrative Assistant to Secretary for Innovation and Technology
Press Secretary to Secretary for Innovation and Technology
Political Assistant to Secretary for Innovation and Technology
Executive Officer (Principal Official's Office)
Permanent Secretary for Innovation and Technology
Deputy Secretary for Innovation and Technology
Principal Assistant Secretary for Innovation and Technology
Assistant Secretary for Innovation and Technology

Asked by: Hon LEUNG Kwok-hung (Member Question No. 2082)

Reply:

The information sought is provided as follows:

Relevant post (and number)	Rank	Estimated Expenditure on Personal Emoluments¹ (\$ '000)	Total Expenditure on Personnel Related Expenses² (\$ '000)
Under Secretary for Innovation and Technology (1)	Not Applicable	19,000	508
Political Assistant to Secretary for Innovation and Technology (1)	Not Applicable		
Administrative Assistant to Secretary for Innovation and Technology (1)	Administrative Officer Staff Grade C		
Press Secretary to Secretary for Innovation and Technology (1)	Chief Information Officer		
Executive Officer (Principal Official's Office) (1)	Executive Officer I		
Permanent Secretary for Innovation and Technology (1)	Administrative Officer Staff Grade A1		
Deputy Secretary for Innovation and Technology (1)	Administrative Officer Staff Grade B		
Principal Assistant Secretary for Innovation and Technology (1)	Administrative Officer Staff Grade C		
Assistant Secretary for Innovation and Technology (3)	Senior Administrative Officer / Administrative Officer		

Note: 1. Personal emoluments include salaries and allowances.

2. Personnel related expenses include Mandatory Provident Fund and Civil Service Provident Fund contributions.

- End -

CONTROLLING OFFICER'S REPLY

ITB025

(Question Serial No. 3369)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: Not Specified

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding outsourcing of service in your department, please inform this Committee of the followings in respect of the past 3 years:

1. the total number of outsourced service staff employed by your department and the percentage of outsourced service staff against the total number of staff with the same types of duties in your department;
2. the total expenditure on staff of your department; the total amount paid to outsourced service providers; and the percentage of amount paid to outsourced service providers against the total expenditure on staff of your department; and
3. the nature of your department's outsourced services and the duration of the relevant contracts.

In addition, according to the Government's guidelines for tendering of outsourced services revised last year, if the procured service relies heavily on the deployment of non-skilled workers, and a marking scheme for assessing the tenders is adopted, the procuring department, when assessing the tenders, should include in the assessment criteria the evaluation of tenderers' proposed wage rates and working hours for non-skilled workers. In this regard, please inform this Committee of the followings:

4. the current number of outsourced service contracts involving a large number of non-skilled workers awarded by your department since implementation of the guidelines;
5. the departments which have adjusted their assessment criteria in respect of wage rates and working hours for the outsourced service contracts involving a large number of non-skilled workers in the light of the new guidelines since their implementation; how your department has made adjustment; and if no relevant information is available, the reasons for it;
6. whether there have been any rises in the average wage rates for workers in the contracts of outsourced services that rely heavily on deployment of non-skilled workers since the

implementation of the guidelines; if yes, the number of contracts with rises in wage rates; if no relevant information is available, the reasons for it;

7. your department's measures to evaluate the effectiveness of the new tendering guidelines;
8. whether your department is required to adopt the existing mechanism of two-envelope assessment of the technical and price aspects when evaluating tenders for contracts of outsourced service; if no, the number of contracts awarded without adopting the existing mechanism of two-envelope assessment of the technical and price aspects in the past 3 years;
9. the annual numbers of cases of government service contractors breaching the service contracts, the Employment Ordinance or the Occupational Safety and Health Ordinance as revealed by the inspections conducted by your department, and the annual numbers of complaints lodged by the outsourced service staff;
10. the details of follow-up actions on the aforementioned non-compliance and complaint cases; and
11. the number and details of cases involving contractors being punished for non-compliance or sustained complaints.

Asked by: Hon LEUNG Yiu-chung (Member Question No. 142)

Reply:

Outsourced service contracts awarded by the Innovation and Technology Bureau (ITB) from 20 November 2015, when ITB was set up, to 28 February 2017 were related to the provision of short-term or one-off information technology services with no specifications on the number of staff required.

If outsourced services are required, we will adopt a suitable assessment mechanism in accordance with the Stores and Procurement Regulations and the relevant government guidelines. So far, we have not awarded through tenders any outsourced service contracts involving a large number of non-skilled workers (such as cleaning workers or security guards).

Over the said year or so, we had not identified any cases of outsourced service contractors breaching the service contracts, the Employment Ordinance, or the Occupational Safety and Health Ordinance. Neither had we received any complaints lodged by the outsourced service staff on the relevant issues.

- End -

CONTROLLING OFFICER'S REPLY

ITB026

(Question Serial No. 3389)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: Not Specified

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

Does your department provide sign language interpretation services? If yes, what are the manpower and expenditure involved? If no, what are the reasons?

Asked by: Hon LEUNG Yiu-chung (Member Question No. 186)

Reply:

The Innovation and Technology Bureau does not provide sign language interpretation services at present. Neither has it received any request for such services. We will endeavour to provide assistance when necessary.

- End -

CONTROLLING OFFICER'S REPLY

ITB027

(Question Serial No. 0369)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

The Financial Secretary stated that he would take a forward-looking approach to put the surplus to good use by, inter alia, reserving \$10 billion for supporting innovation and technology development in Hong Kong. However, no further elaboration on this point was given. In this regard, please inform this Committee of whether the Government has any concrete ideas about the appropriate uses of the funds reserved. If yes, what are the details. If no, what are the reasons.

Asked by: Hon LO Wai-kwok (Member Question No. 5)

Reply:

It is announced in the 2017-18 Budget that \$10 billion will be reserved for supporting innovation and technology ("I&T") development in Hong Kong. We will make a holistic consideration of various feasible and appropriate uses, such as enhancing or extending effective projects (including projects under the Innovation and Technology Fund), and implementing new initiatives to further enhance the local I&T ecosystem. When a specific plan is available, we will apply for using the reserved provision through the internal government resource allocation mechanism and seek funding approval of the Legislative Council in accordance with established procedures.

- End -

CONTROLLING OFFICER'S REPLY**ITB028****(Question Serial No. 0516)**

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

In early January of this year, the HKSAR Government and the Shenzhen Municipal Government signed a memorandum of understanding on the development of a Hong Kong/Shenzhen Innovation and Technology Park in the Lok Ma Chau Loop in Hong Kong. The Innovation and Technology Bureau will be responsible for co-ordinating the development on the Hong Kong side. In this regard, please advise whether the Government will initiate discussions with the Shenzhen Municipal Government as soon as possible to formulate specific objectives and a schedule for taking forward the development plan of the Loop by both governments? If yes, what are the details; if no, what are the reasons?

Asked by: Hon LO Wai-kwok (Member Question No. 11)

Reply:

To take forward the work of developing the Hong Kong-Shenzhen Innovation and Technology Park (the Park) in Lok Ma Chau Loop (the Loop), a Joint Task Force on the Development of the Hong Kong-Shenzhen Innovation and Technology Park in the Loop (Joint Task Force), co-chaired by the Secretary for Innovation and Technology and the Vice Mayor of Shenzhen Municipality, has been set up to discuss and negotiate on major issues arising from the development of the Park in the Loop. The Joint Task Force held its first meeting on 9 February 2017 in Shenzhen. Items of the work plan include:

Publication of the statutory draft Outline Zoning Plan of the Loop

Second quarter of 2017

Setting up the subsidiary company by the Hong Kong Science and Technology Parks Corporation

Mid-2017

Seeking funding approval from the Legislative Council
for the advance works and the design for Main Works
Package 1

End-2017/Early 2018

- End -

CONTROLLING OFFICER'S REPLY**ITB029****(Question Serial No. 0529)**

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

Since its establishment in November 2015, the Innovation and Technology Bureau has improved the atmosphere of innovation and technology (I&T) by implementing a number of initiatives. However, the Government has yet to address the strong demands of the technology industry for the early formulation of a long-term strategy of I&T development in Hong Kong. In this connection, please advise whether the Government has adopted any specific measures and mapped out a schedule for formulation of such long-term strategy for promoting “the commercialisation of technological achievements, industrialisation of products, and internationalisation of industries”. If yes, what are the details; if no, what are the reasons?

Asked by: Hon LO Wai-kwok (Member Question No. 9)

Reply:

To promote sustained and diversified economic and social development, the Government is determined to develop the local innovation and technology (I&T) industries, in order to drive the upgrading and transformation of our overall economic structure, thereby enhancing Hong Kong's competitiveness and improving the people's quality of life. The Innovation and Technology Bureau (ITB) formulates holistic I&T policies, including the promotion of research and development (R&D) and “re-industrialisation”, thereby fostering the development of I&T and related industries in Hong Kong.

We have launched a \$2 billion Midstream Research Programme at the end of last year, and extended the Public Sector Trial Scheme to cover the incubatees of the Cyberport and the Hong Kong Science and Technology Parks Corporation (HKSTPC). Moreover, HKSTPC is developing an Advanced Manufacturing Centre and a Data Technology Hub in the Tseung Kwan O Industrial Estate in order to promote smart production and “re-industrialisation”. The two projects are expected to be completed in 2010 and 2021/22

respectively. In the long run, we will develop the Lok Ma Chau Loop into the “Hong Kong-Shenzhen Innovation and Technology Park” (the Park). The key base for scientific research in the Park, coupled with the industries that Shenzhen possesses an edge, will be conducive to the promotion of commercialisation and industrialisation of R&D deliverables.

- End -

CONTROLLING OFFICER'S REPLY

ITB030

(Question Serial No. 6928)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

Please set out Funds provided under the Bureau, their respective dates of establishment and amounts of capital injection, as well their balances, government injections and total expenditures in each of the years of 2013-14, 2014-2015, 2015-16 and 2016-17.

Asked by: Hon MA Fung-kwok (Member Question No. 104)

Reply:

The Innovation and Technology Bureau ("ITB") was established in November 2015. The 2016 Policy Address announced the establishment of a \$500-million Innovation and Technology Fund for Better Living ("FBL"), to be administered by ITB, to subsidise innovation and technology projects which will bring more convenient, more comfortable and safer living to the public, or those addressing the needs of specific community groups. The FBL will be open for applications by the middle of 2017.

We expect that the \$500 million allocation can support operation of the FBL for 5 years starting from 2017-18.

- End -

CONTROLLING OFFICER'S REPLY

ITB031

(Question Serial No. 1920)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

1. What progress has the Innovation and Technology Bureau (ITB) made in 2016-17 regarding the formulation of key performance indicators? Please advise on the work plans, timetable and the manpower and resources required in 2017-18 for assessing the effectiveness of the innovation and technology development policies.
2. On inter-departmental collaboration, please inform this Committee whether the ITB has conducted studies, legislation reviews or inter-departmental meetings in the following areas in 2016-17: sharing economy; open data; enhancement of the tax regime for science and research expenditure; artificial intelligence; automation; promotion of Science, Technology, Engineering and Mathematics education; adoption of electric vehicles; initiatives to attract overseas technology enterprises to set up business in Hong Kong; promotion of financial technologies; use of data to enhance government efficiency; application of technology in elderly and medical services; and nurture of technology talent. If yes, what are the details? If no, what are the reasons? What are the ITB's plans for fostering inter-departmental collaboration in these areas in 2017-18?

Asked by: Hon MOK Charles Peter (Member Question No. 5)

Reply:

The information required is provided as follows:

- (1) Since the establishment of the Innovation and Technology Bureau ("ITB") in November 2015, the Government has injected an additional funding of over \$18 billion to roll out a series of measures to foster the development of innovation and technology ("I&T") in Hong Kong from multiple aspects. When drawing up the measures, we have actively engaged stakeholders in the Government, industry,

academic and research sectors in formulating the relevant key performance indicators (“KPIs”). We will continue to maintain communication with stakeholders and make reference to the views from various sectors, with a view to adopting the relevant indicators as appropriate.

The overall estimated expenditure of ITB for 2017-18 is about \$178.2 million. ITB will carry out the work on formulating KPIs with its existing manpower and resources. A breakdown of the expenditure is not available.

- (2) Rule of law is the core value of Hong Kong, and any industry, including the I&T industry, must operate in a lawful manner. We note that certain I&T projects have brought about controversies around the world. As these projects often require adjustments of the existing ecosystems, involving a number of stakeholders and having extensive and far-reaching implications, governments and regulatory authorities worldwide are still studying these complex matters and have yet to come up with a unified solution.

The relevant policy bureaux will make reference to the developments and experiences in other regions in handling these matters, and, in accordance with the actual situation and needs of Hong Kong, consider the relevant measures, so as to promote the diversified economic development of Hong Kong, and make people’s living more comfortable, convenient and safe. In the process, ITB will provide support and advice to relevant policy bureaux and departments from I&T perspective.

- End -

CONTROLLING OFFICER'S REPLY

ITB032

(Question Serial No. 1921)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

It is mentioned on page 453 of the Estimates that the Government will set up an Innovation and Technology Fund for Better Living for financing projects that make use of innovative ideas and technologies to improve people's daily life. In this regard, please advise on:

- (1) the details of the fund, including application procedures, vetting criteria and form of funding support;
- (2) the specific details of the work, timetable, operating expenditure of the fund and estimated annual provision for 2017-18; and
- (3) the eligibility for application, scope of funding, funding cap and estimated number of successful applications per year.

Asked by: Hon MOK Charles Peter (Member Question No. 7)

Reply:

The information requested is provided as follows:

- (1) The Government will launch the \$500 million Innovation and Technology Fund for Better Living ("FBL") by the middle of this year to subsidise innovation and technology ("I&T") projects which will bring more convenient, more comfortable and safer living to the public, or those addressing the needs of specific community groups. The Innovation and Technology Bureau has set up a Secretariat to prepare for the launch of the FBL. An Assessment Panel comprising representatives from the technology field, the academia and the industry will be formed to assess eligible applications. The assessment criteria include: benefits brought to the general public or specific community groups by the project, I&T content, feasibility and sustainability, cost-effectiveness, and the experience and management capability of the

applicant. A successful project will receive a maximum grant equivalent to 90% of the total cost of the project or \$5 million, whichever is the less.

- (2) The FBL will be open for applications from mid-2017. In 2017-18, the Secretariat will launch publicity and promotional activities, process applications and arrange Assessment Panel meetings. We expect that the FBL will operate for 5 years with an annual recurrent expenditure of about \$5.3 million, which will mainly be used to meet the staff cost of the Secretariat and promotion expenses, etc.
- (3) Eligible applicants include: subvented non-government organisations or non-profit making organisations, public bodies, trade associations and professional bodies. The funded projects should primarily aim at improving people's daily life, and should not serve profit-making purposes or purposes other than those stated in the application forms. The number of applications approved each year will depend on the number of applications and the level of grant.

- End -

CONTROLLING OFFICER'S REPLY

ITB033

(Question Serial No. 1924)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

It is stated in the 2017-18 Budget (sic.) that the Government will earmark \$500 million for the Innovation and Technology Bureau (ITB) to assist government departments in using technology to enhance the quality of public services. In this regard, please advise on the following:

- (1) What are the objectives, funding scope, vetting and approval criteria, composition of internal committees, time schedule, as well as the manpower and expenditure required relating to the plan to promote better use of technology in government departments in 2017-18? Will the vetting and approval criteria set out that applicant departments should devise indicators to measure the effectiveness of pilot projects in enhancing the operation of departments and the quality of public services?
- (2) Are there plans to provide government departments with more information and guidelines to improve communication between government departments and the information and technology (IT) industry and raise awareness about better use of technology within the government? Will technical support for implementation in the form of providing IT staff/advisers be offered to government departments applying for the funding? If yes, what are the details?
- (3) Will the public be consulted and government departments encouraged to fund user experience research on e-government services improvement so as to provide a basis for service improvement and understanding users' needs? If yes, what are the details? If no, what are the reasons?

Asked by: Hon MOK Charles Peter (Member Question No. 13)

Reply:

The required information is provided below:

- (1) In 2017-18, the Government has earmarked \$500 million for the ITB to assist government departments in using technology to enhance the quality of public services in the next 5 years. The fund earmarked will be used to support technology projects conceived and taken forward by departments, including pilot projects. We are considering the detailed operational arrangements for the fund, which include the establishment of an internal committee, vetting criteria and project monitoring, etc. It is expected that applications will be invited from departments by the end of this year. The effect of the proposed project in improving public services or enhancing the operational efficiency of the department will be one of the vetting criteria. Apart from our existing manpower, we plan to create 8 time-limited non-directorate posts, and recruit non-civil service contract staff for supporting our work when necessary. The annual expenditure on the salaries of these non-directorate posts is about \$4.3 million.
- (2) & (3) We will actively encourage departments to strengthen their communication with research and development institutions or innovation and technology enterprises for timely introduction of appropriate technologies to enhance the quality of public services. Technology project proposals submitted by departments in their funding application may include recruitment of IT staff/advisers needed for supporting the projects concerned. We will set up an internal committee to vet the technology project proposals submitted by government departments.

- End -

CONTROLLING OFFICER'S REPLY**ITB034****(Question Serial No. 1926)**

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

In April 2015, the Government established the Advisory Committee on Innovation and Technology to tender advice on the development of innovation and technology. As announced in the Budget, a new committee on innovation and technology (I&T) development and re-industrialisation will be set up to co-ordinate the I&T development and re-industrialisation of Hong Kong. The current term of the Advisory Committee on Innovation and Technology and the Digital 21 Strategy Advisory Committee will not be extended upon expiry on the 31st of next month. Please advise on:

- (1) the number of meetings convened, issues discussed and attendance rate of each meeting since the establishment of the Advisory Committee on Innovation and Technology, and whether minutes of the meetings are available and open to the public. If such information is not available, what are the reasons?
- (2) the number of meetings convened, issues discussed and attendance rate of each meeting since the establishment of the Digital 21 Strategy Advisory Committee, and the progress on implementation of reports or recommendations of its task forces. If such information is not available, what are the reasons?
- (3) the terms of reference, major duties, issues to be discussed, the composition and term of office of the new committee on I&T development and re-industrialisation. Will a comprehensive strategy on the policy of promoting I&T and re-industrialisation be formulated and key performance indicators (KPIs) be adopted for assessing the policy effectiveness? If yes, what are the details; if not, what are the reasons?
- (4) whether the new committee has any plan to conduct studies or reviews on the existing legislation and organise inter-departmental working meetings on the following topics: sharing economy, open data, enhancing the tax regime for I&T expenditure, artificial intelligence, automation, promoting STEM education, using electric vehicles, attracting overseas technology enterprises to do business in Hong Kong, promoting fintech, enhancing the Government's efficiency through data utilisation, applying

technology to elderly and healthcare services and nurturing technology talents. If yes, what are the details; if not, what are the reasons?

- (5) how the Government will follow up and continue with the recommendations of the Advisory Committee on Innovation and Technology and the Digital 21 Strategy Advisory Committee and monitor the progress of their implementation in 2017-18. What are the manpower and resources involved?

Asked by: Hon MOK Charles Peter (Member Question No. 15)

Reply:

The requested information is provided below:

- (1) A total of 15 meetings have been convened since the establishment of the Advisory Committee on Innovation and Technology (“ACIT”) and its various working groups in 2015. The average attendance rate of members exceeds 70%. Members have discussed issues relating to the promotion of Hong Kong’s innovation and technology (“I&T”) development.

In 2016-17, the ACIT reviewed existing strategies and provided views on key areas of I&T development, such as infrastructure, matching of capital and talent as well as nurturing of I&T talent, with a view to leading various sectors to jointly create a thriving I&T ecosystem. The ACIT has compiled its recommendations into the “Report of the Advisory Committee on Innovation and Technology”, which will be published shortly.

- (2) A total of 32 meetings have been convened since the establishment of the Digital 21 Strategy Advisory Committee (“D21SAC”) in 2004 [Note to Adm: please align the Chinese version accordingly]. The attendance rate of members was 77% in the past 5 years. The D21SAC has discussed a wide range of topics in recent years, including mainly the Digital 21 Strategy, facilities and infrastructure in promoting the development of the information and communications technology (“ICT”) sector, the macro blueprint and strategy for the development of local ICT, digital inclusion, smart city, public Wi-Fi, support for technology start-ups and e-government services, etc.

- (3) and (4) As announced in the 2017-18 Budget, the Government will set up a committee on I&T development and “re-industrialisation” (“the Committee”) to co-ordinate the I&T development and “re-industrialisation” of Hong Kong through a higher-level and cross-bureaux approach.

We are working on the terms of reference and membership of the Committee with a view to commencing the appointment exercise as soon as practicable. We plan to invite the major stakeholders in the local I&T and industrial sectors to serve on the Committee and provide views to the Government on matters relating to I&T development and “re-industrialisation” of Hong Kong. We will work out the development strategies and work priorities having regard to the Committee’s recommendations.

- (5) In 2017-18, the overall estimated expenditure of the Innovation and Technology Bureau is about \$178.2 million. The Bureau and the departments under its purview will follow up on the recommendations by the ACIT and the D21SAC with existing manpower and resources.

- End -

CONTROLLING OFFICER'S REPLY

ITB035

(Question Serial No. 2019)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (1) Director of Bureau's Office

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

Please provide in table form details of the overseas duty visits made by the Secretary for Innovation and Technology in 2016-17, including the date of visit, place of visit, purpose and major itinerary, number of officials from the Office of the Secretary for Innovation and Technology in the entourage, hotel accommodation expenses, transportation expenses, other expenses and total expenditure.

Asked by: Hon MOK Charles Peter (Member Question No. 49)

Reply:

In 2016-17, details of overseas duty visits made by the Secretary for Innovation and Technology are as follows (as at 28 February 2017):

Date of visit (No. of visits)	Places of visit	Purpose of visit	No. of entourage members	Passage expenses HK\$ (A)	Hotel expenses HK\$ (B)	Other expenses ^{Note} HK\$ (C)	Total expenditure HK\$ (A)+(B)+(C)
2016-17 (as at 28 February 2017) (12 visits)	Huizhou, Shenzhen, Guiyang, Guangzhou, Nanchang, Wuzhen in Zhejiang Province and Beijing, Vienna in Austria, Toulouse and Paris in France, Frankfurt, Bayreuth, Amberg and Munich in Germany, San Francisco in the United States (Total: 32 days)	To attend meetings and events, and conduct exchanges (e.g. attending the World Internet Conference and technology seminars, and meeting with government officials, local bodies, and personnel of innovation and technology organisations)	0-2 for each visit	About 446,000	About 84,000	About 85,000	About 615,000

Note: Other expenses included subsistence allowance and entertainment expenses.

- End -

CONTROLLING OFFICER'S REPLY**ITB036****(Question Serial No. 3209)**Head: (135) Government Secretariat: Innovation and Technology BureauSubhead (No. & title):Programme: (2) Innovation and TechnologyControlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)Director of Bureau: Secretary for Innovation and TechnologyQuestion:

Regarding studies conducted by consultancy firms or research institutes commissioned by the Innovation and Technology Bureau and the departments under its purview for the purpose of formulating and assessing policies in 2016-17 and 2017-18 (Estimates), please set out their details and estimated provisions in the following format.

Commencement date of the study	Title of the study	Content and objective	Progress (under planning /in progress/ completed)	Name of consultant	Mode of award (tender/quotation/ others) (please specify)	Expenditure (\$)	Have reports been made public? If not, what are the reasons?

Asked by: Hon MOK Charles Peter (Member Question No. 50)Reply:

The studies conducted by consultancy firms and research institutes, which are commissioned by the Innovation and Technology Bureau and the departments under its purview, for formulating and assessing policies in 2016-17 and 2017-18 (Estimate), and their estimated provisions are as follows:

Commencement date of the study	Title of the study	Content and objective	Progress (under planning / in progress / completed)	Name of consultant	Mode of award (tender/quotation / others) (please specify)	Expenditure (\$)	Have reports been made public? If not, what are the reasons?
December 2016	Study on Promoting the Use of Digital Certificates	<u>Content</u> To explore ways to	In progress	KPMG Advisory (Hong Kong)	Tender	4.117 million	The study is in progress, and the report has

	and Institutional Arrangements for Public Certification Authority Service	<p>promote use of digital certificates in e-commerce and e-government and review the institutional arrangements for public certification authority service, including use of mobile technologies to enhance the use of digital certificates.</p> <p><u>Objective</u></p> <p>To create a secure and reliable infrastructure for the development of e-commerce and smart city.</p>		Limited			not yet been completed.
September 2016	Study on the Development of Hong Kong as a Smart City	<p><u>Content</u></p> <p>To study the information technology infrastructure required for smart city development in Hong Kong and formulate digital framework and standards, and initiatives / proposals.</p> <p><u>Objective</u></p> <p>To formulate a blueprint for smart city development in Hong Kong.</p>	In progress	PricewaterhouseCoopers Advisory Services Limited	Tender	5 million	The study is in progress, and the report has not yet been completed.

- End -

CONTROLLING OFFICER'S REPLY**ITB037****(Question Serial No. 5144)**Head: (135) Government Secretariat: Innovation and Technology BureauSubhead (No. & title):Programme: Not SpecifiedControlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)Director of Bureau: Secretary for Innovation and TechnologyQuestion:

In respect of the public relations expenditure of government departments, please inform this Committee of the following:

(1) the total expenditure and details of publishing advertisements, sponsored content or advertorials in newspapers registered under the Registration of Local Newspapers Ordinance by your department in the past year:

Date of publish (Day/Month/Year)	Status (one-off/ ongoing/done) (as at 28 February 2017)	Government or public organisation (including bureau/ department/ public organisation/ government advisory body)	Name and purpose of advertisement	Name of media organisation and newspaper	Frequency (as at 28 February 2017)	Expenditure (as at 28 February 2017)

(2) the expenditure and details of sponsoring local free-to-air television stations, pay television stations and radio stations to provide information and produce programmes or materials by your department in the past year:

Date of broadcast (Day/Month/Year)	Status (one-off/ ongoing/done) (as at 28 February 2017)	Government or public organisation (including bureau/ department/ public	Name and purpose of advertisement	Media organisation	Frequency (as at 28 February 2017)	Expenditure (as at 28 February 2017)

		organisation/ government advisory body)				

(3) the media organisations which published or broadcasted advertisements/sponsored content of your department in the past year, as well as the frequency and total expenditure involved (in descending order):

Name of media organisation	Frequency	Total expenditure (\$)

(4) the websites/network platforms on which your department published online advertisements/sponsored content in the past year, as well as the frequency, duration (days) and total expenditure involved (tabulated in descending order):

Website/ network platform	Content of advertisement	Frequency	Duration (days)	Hit rate, frequency of exposure and number of viewers	Total expenditure (\$)

Asked by: Hon MOK Charles Peter (Member Question No. 91)

Reply:

In 2016-17 (as at 28 February 2017), the Innovation and Technology Bureau had not:

- (1) published advertisements or provided sponsored content on newspapers;
- (2) provided information to or produced programmes for local television stations or radio stations in the form of sponsorship;
- (3) published or broadcast advertisements/sponsored content in media organisations; and
- (4) published advertisements or sponsored content on website/network platform.

- End -

CONTROLLING OFFICER'S REPLY**ITB038****(Question Serial No. 5161)**Head: (135) Government Secretariat: Innovation and Technology BureauSubhead (No. & title):Programme: Not specifiedControlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)Director of Bureau: Secretary for Innovation and TechnologyQuestion:

Regarding the records management work of your bureau and the departments under its purview over the past year:

- (1) Please provide information on the number and rank of officers designated to perform such work. If there is no officer designated for such work, please provide information on the number of officers and the hours of work involved in records management duties, and the other duties they have to undertake in addition to records management;
- (2) Please list in the table below information on programme and administrative records which have been closed pending transfer to the Government Records Service (GRS) for appraisal;

Category	Years covered	Quantity and linear metres	Retention period approved by GRS	Are they confidential documents	Reasons for non-transfer

- (3) Please list in the table below information on programme and administrative records which have been transferred to GRS for retention;

Category	Years covered	Quantity and linear metres	Retention period approved by GRS	Are they confidential documents	Reasons for non-transfer

- (4) Please list in the table below information on records which have been approved for destruction by GRS;

Category	Years covered	Quantity and linear metres	Retention period approved by GRS	Are they confidential documents	Reasons for non-transfer

Asked by: Hon MOK Charles Peter (Member Question No. 108)

Reply:

The information sought is provided below.

Innovation and Technology Bureau

- (1) In accordance with the Government's records management policy, this Bureau has designated staff of different ranks to perform records management duties as follows:
 - (i) 1 Chief Executive Officer (CEO) serving as Departmental Records Manager (DRM) to devise, carry out and document departmental records management practices and procedures according to the guidelines and advice of GRS;
 - (ii) 1 Executive Officer (EO) II serving as Assistant Departmental Records Manager (ADRM) to assist the DRM in the execution of the duties concerned; and
 - (iii) 3 Clerical Officers (COs), 4 Assistant Clerical Officers (ACOs), 2 Clerical Assistants (CAs) and 3 Personal Secretaries (PSs) I being responsible for the execution of certain records management duties.

In the course of performing daily duties, officers of different ranks in this Bureau are involved in related records management work to meet operational needs.

- (2), (3) & (4) The Innovation and Technology Bureau does not have any programme and administrative records which have been closed pending transfer to GRS for appraisal, transferred to GRS for retention or approved for destruction by GRS.

Office of the Government Chief Information Officer

- (1) In accordance with the Government's records management policy, the Office of the Government Chief Information Officer (OGCIO) has designated staff of different ranks to perform records management duties as follows:
 - (i) 1 CEO serving as DRM to devise, carry out and document departmental records management practices and procedures according to the guidelines and advice of GRS;
 - (ii) 1 Senior Executive Officer serving as ADRM to assist the DRM in the execution of the duties concerned;

- (iii) 3 EOs I, 1 EO II, 3 Senior Clerical Officers (SCOs), 1 Accounting Officer I, 1 Chief Training Officer, 1 Computer Operation Manager and 1 Senior Supplies Officer being responsible for supervising records management in different divisions/sections; and
- (iv) 4 COs, 8 ACOs, 1 PS II and 1 Computer Operator I being responsible for the execution of certain records management duties.

In the course of performing daily duties, officers of different ranks in the OGCIO are involved in related records management work to meet operational needs.

- (2) Information on programme and administrative records which have been closed pending transfer to GRS for appraisal is as follows:

Category	Years covered	Quantity and linear metres	Retention period approved by GRS	Are they confidential documents	Reasons for non-transfer
Administrative records	2004-2016	25 records/ 1.25 linear metres	3-13 years	Yes: 4 No: 21	The retention period approved by GRS is not yet expired
Programme records	2005-2016	6 records/ 0.3 linear metre	14 years	Yes: 1 No: 5	

- (3) Information on programme and administrative records which have been transferred to GRS for retention is as follows:

Category	Years covered	Quantity and linear metres	Retention period approved by GRS	Are they confidential documents	Reasons for non-transfer
Administrative records	1965-2007	125 records/ 0.6 linear metre	3-5 years; or 7 years after the officer has left the service	Yes: 0 No: 125	Not applicable (N.A.)
Programme records	N.A.	N.A.	N.A.	N.A.	N.A.

- (4) Information on records which have been approved for destruction by GRS is as follows:

Category	Years covered	Quantity and linear metres	Retention period approved by GRS	Are they confidential documents	Reasons for non-transfer
Administrative records	1971-2006	61 records/ 2.62 linear metres	2-5 years; or 7 years after the officer has left the service	Yes: 0 No: 61	N.A.

Programme records	1979-2000	2 558 records/ 127.9 linear metres	14 years	Yes: 82 No: 2 476	N.A.
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Innovation and Technology Commission

- (1) In accordance with the Government's records management policy, the Innovation and Technology Commission (ITC) has designated staff of different ranks to perform departmental records management duties and report to a directorate officer responsible for overseeing such work:
- (i) 1 CEO serving as the DRM to assist in establishing and implementing the departmental records management programme;
 - (ii) 2 EOs I serving as ADRMs to assist the DRM in the execution of the duties concerned; and
 - (iii) 8 officers not below the rank of EO II serving as the Records Managers to monitor the records management of various divisions.

In addition, each division of the ITC has its own general registry with clerical grade staff responsible for filing and records management routines. In terms of manpower, there are 1 SCO, 10 COs, 28 ACOs and 13 CAs.

- (2) Information on programme and administrative records which have been closed pending transfer to GRS for appraisal is as follows:

Category	Years covered	Quantity and linear metres	Retention period approved by GRS	Are they confidential documents	Reasons for non-transfer
Programme records	2001-2016	717 records/ 33.31 linear metres	1-25 years	No	The retention period approved by GRS is not yet expired
Programme records	2002-2016	182 records/ 9.07 linear metres	8-25 years	Yes	
Administrative records	2006-2016	38 records/ 1.9 linear metres	2-5 years	No	
Administrative records	2012-2016	8 records/ 0.4 linear metre	3 years	Yes	

- (3) Information on programme and administrative records which have been transferred to GRS for retention is as follows:

Category	Years covered	Quantity and linear metres	Retention period approved	Are they confidential	Reasons for non-transfer
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			by GRS	documents	
Programme records	1972-1983	14 records/ 0.56 linear metre	30 years	No	N.A.
Programme records	1975-1983	21 records/ 0.84 linear metre	30 years	Yes	

(4) Information on records which have been approved for destruction by GRS is as follows:

Category	Years covered	Quantity and linear metres	Retention period approved by GRS	Are they confidential documents	Reasons for non-transfer
Programme records	1982-2012	5 925 records/ 54.93 linear metres	1-30 years	No	N.A.
Programme records	2009-2012	2 records/ 0.09 linear metre	Half a year	Yes	
Administrative records	1981-2013	684 records/ 27.84 linear metres	Retained according to the General Administrative Records Disposal Schedules of GRS, generally for 2-5 years after closure of the files	No	

- End -

CONTROLLING OFFICER'S REPLY**ITB039****(Question Serial No. 6729)**Head: (135) Government Secretariat: Innovation and Technology BureauSubhead (No. & title):Programme: Not specifiedControlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)Director of Bureau: Secretary for Innovation and TechnologyQuestion:

Please tabulate the details concerning the social media platforms set up and run by the Bureau and its subvented organisations (including out-sourced contractors or consultants) in 2016-17 (as at 28 February 2017).

Commencement Date (month/year)	Status (keep updating/ ceased updating)	Bureau/ subvented organisations	Name	Social media platforms	Purpose of establishment and contents	No. of “likes”/ subscribers/ average monthly visits	Regular compilation of summary of comments and follow-up (yes/no)	Average no. of posts per day and average no. of interactions per post (total no. of “likes”, comments and shares)	Ranks and no. of officers responsible for the operation	Expenditure for setting up the platforms and daily operational expenses

Asked by: Hon MOK Charles Peter (Member Question No. 162)Reply:

The information required is provided as follows:

Commencement Date (month/year)	8 April 2016
Status (keep updating/ceased updating)	Keep updating
Bureau/subvented organisations	Innovation and Technology Bureau (ITB)

Name	ITB
Social media platforms	Facebook
Purpose of establishment and contents	Keep the public posted about the latest activities and information of ITB
No. of “likes”/ subscribers/ average monthly visits	“Like”: 2 334 (as at 15 March 2017) Weekly reach on average: about 4 000
Regular compilation of summary of comments and follow-up (yes/no)	Yes
Average no. of posts per day and average no. of interactions per post (total no. of “likes”, comments and shares)	Average number of posts per week: 3 Average number of interactions per post: 12
Ranks and no. of officers responsible for the operation	Political Assistant to the Secretary for Innovation and Technology (1)
Expenditure for setting up the platforms and daily operational expenses	Workload absorbed by existing manpower, thus no extra resource is involved.

- End -

CONTROLLING OFFICER'S REPLY**ITB040****(Question Serial No. 6731)**Head: (135) Government Secretariat: Innovation and Technology BureauSubhead (No. & title):Programme: Not specifiedControlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)Director of Bureau: Secretary for Innovation and TechnologyQuestion:

- (1) Please provide, in table form, the number of requests for information under the Code on Access to Information received by the Innovation and Technology Bureau and its subvented organisations in 2016-17 as well as the relevant details:

Bureau/ Department/ Organisation	Number of requests received	Information involved (items)	Number of requests being handled	Number of requests for which all information was provided	Number of requests for which some information was provided	Average number of days taken to handle the requests (working days)

- (2) the 3 pieces of information most frequently requested by the public and the number of such requests;
- (3) the 5 requests for information which took the longest time to handle, the number of days taken to handle such requests and the reasons; and
- (4) the content of the requests refused, the reasons for the refusal and the number of requests for reviews lodged by the public.

Asked by: Hon MOK Charles Peter (Member Question No. 165)

Reply:

As at end-February 2017, there was no request for information under the Code on Access to Information received by this Bureau in 2016-17 and there was no outstanding request.

- End -

CONTROLLING OFFICER'S REPLY

ITB041

(Question Serial No. 2080)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

As at 31 March 2017, there are 43 posts under the establishment of the Innovation and Technology Bureau, the number of which is expected to increase by 15 in 2017-18. In addition, the provision of \$68.215 million, under Subhead 000 (Operational expenses), for the salaries, allowance and other operating expenses of the Bureau, increases substantially by 73.5% as compared with the revised estimate for 2016-17. In this connection, please inform this Committee of the followings:

- (a) What are the type, rank, salary, allowance and job nature in respect of the 15 new posts and the 43 existing permanent non-directorate posts?
- (b) What are the reasons for the substantial increase of 73.5% in the revised provision? Please provide details of the other operating expenses of the provision, apart from the salaries and allowance of the new posts; and
- (c) Does the increase in provision involve the operation of the committee on innovation and technology development and re-industrialisation to be set up? If yes, what are the manpower and expenditure involved? If no, what are the details of the work involved in the increased provision?

Asked by: Hon NG Wing-ka, Jimmy (Member Question No. 14)

Reply:

- (a) Details of the 15 posts to be created in the Innovation and Technology Bureau (ITB) in 2017-18 are as follows:

Rank	Number	Salary of respective rank (HK\$)	Allowances	Work nature
Senior Administrative officer	1	\$105,880-\$121,985	Determined in accordance with the employment terms of the relevant officers, the application criteria and the existing civil service mechanism.	To strengthen policy formulation and administrative support.
Executive Officer I	1	\$51,780-\$65,150		
Analyst/ Programmer I	1	\$51,780-\$65,150		
Supplies Supervisor I	1	\$29,455-\$37,570		
Assistant Clerical Officer	3	\$13,735-\$28,040		
Senior Executive Officer	1	\$65,740-\$99,205		To prepare for the establishment and implementation of the TechConnect (block vote).
Executive Officer I	1	\$51,780-\$65,150		
Executive Officer II	1	\$28,040-\$49,445		
Treasury Accountant	1	\$56,755-\$99,205		
Personal Secretary I	1	\$29,455-\$37,570		
Assistant Clerical Officer	3	\$13,735-\$28,040		
Total	15			

The current establishment of the ITB and other relevant information are as follows:

Directorate officers

Rank	Number	Salary of respective rank (HK\$)	Allowances	Work nature
Administrative Officer Staff Grade A1	1	\$265,750-\$273,700	Determined in accordance with the employment terms of the relevant officers, the application criteria and the existing civil service mechanism.	To assist the Secretary for Innovation and Technology (S for IT) in formulating innovation and technology policies, overseeing the implementation of the relevant policies and measures, co-ordinating the work of its two departments as well as managing the resources allocated to the Bureau.
Administrative Officer Staff Grade B	1	\$187,750-\$204,950		
Administrative Officer Staff Grade C	1	\$161,450-\$176,550		
Administrative Officer Staff Grade C	1	\$161,450-\$176,550		To provide administrative support for the S for IT, including planning and co-ordinating his official duties.
Total	4			

Non-directorate officers

Rank	Number	Salary of respective rank (HK\$)	Allowances	Work nature
Senior Administrative Officer	1	\$105,880-\$121,985	Determined in accordance with the employment terms of the relevant officers, the application criteria and the existing civil service mechanism.	To provide support, including policy formulation, news-related work, human resources management, financial management and general administration.
Administrative Officer	1	\$49,445-\$99,205		
Chief Information Officer	1	\$105,880-\$121,985		
Principal Information Officer	1	\$84,385-\$99,205		
Senior Information Officer	1	\$65,740-\$80,905		
Information Officer	1	\$51,780-\$65,150		
Chief Executive Officer	2	\$105,880-\$121,985		
Senior Executive Officer	2	\$65,740-\$99,205		
Executive Officer I	3	\$51,780-\$65,150		
Executive Officer II	2	\$28,040-\$49,445		
Clerical Officer	3	\$29,455-\$37,570		
Assistant Clerical Officer	7	\$13,735-\$28,040		
Clerical Assistant	2	\$12,120-\$21,255		

Rank	Number	Salary of respective rank (HK\$)	Allowances	Work nature
Personal Assistant	2	\$51,780-\$65,150	Determined in accordance with the employment terms of the relevant officers, the application criteria and the existing civil service mechanism.	To provide support, including policy formulation, news-related work, human resources management, financial management and general administration.
Senior Personal Secretary	1	\$39,350-\$49,445		
Personal Secretary I	3	\$29,455-\$37,570		
Confidential Assistant	1	\$20,060-\$30,945		
Personal Secretary II	1	\$14,625-\$28,040		
Typist	1	\$12,890-\$21,255		
Personal Chauffeur	1	\$22,560-\$23,970		
Chauffeur	1	\$15,605-\$21,255		
Workman II	1	\$12,115-\$14,280		
Total	39			

(b) and (c) The provision of \$68.22 million under Subhead 000 Operational expenses is for the salaries, allowances and other operating expenses of the ITB and not for the operating expenses of the committee on innovation and technology development and re-industrialisation. An increase of \$28.90 million over the revised estimate for 2016-17 is mainly due to:

- (1) an increase of about \$12.30 million for expenses on salaries and allowances (including the 15 newly created posts);
- (2) an increase of about \$1.10 million for personnel related expenses (including Mandatory Provident Fund and Civil Service Provident Fund contributions); and
- (3) an increase of about \$15.50 million for general departmental expenses (including hiring non-civil service contract staff).

- End -

CONTROLLING OFFICER'S REPLY

ITB042

(Question Serial No. 2082)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title): (000) Operational expenses

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

Will the Government adopt one or more of the items listed below as the performance indicators of the Innovation and Technology Bureau? If so, what are the details? If not, what are the reasons?

- a) the contribution of the innovation and technology industry as a percentage of Hong Kong's Gross Domestic Product;
- b) the total amount of capital input by private enterprises for innovation and technology research;
- c) the number of innovation and technology enterprises in Hong Kong and their total capital;
- d) the number of employees in the innovation and technology sector in Hong Kong; and
- e) the quantity of innovation and technology products or services developed in Hong Kong.

Asked by: Hon NG Wing-ka, Jimmy (Member Question No. 4)

Reply:

The economic contribution of innovation and technology activities, and the performance of the industry (including the number of enterprises and employees, and their products and services, etc.) are all possible indicators for gauging the development of innovation and technology. We will continue to maintain communication with stakeholders and take into account the views of different sectors with a view to adopting the above and other indicators as appropriate.

- End -

CONTROLLING OFFICER'S REPLY

ITB043

(Question Serial No. 2943)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

It is mentioned in the Budget Speech that “reserving \$10 billion for supporting I&T development in Hong Kong”. What specific measures are included? How will the resources in question be allocated?

Asked by: Hon OR Chong-shing, Wilson (Member Question No. 52)

Reply:

It is announced in the 2017-18 Budget that \$10 billion will be reserved for supporting innovation and technology (I&T) development in Hong Kong. We will consider, in a holistic manner, various feasible and appropriate uses, such as enhancing or extending effective projects (including projects under the Innovation and Technology Fund), and implementing new initiatives to further enhance the local I&T ecosystem. When a specific plan is available, we will apply for using the reserved provision through the internal government resource allocation mechanism, and seek funding approval from the Legislative Council in accordance with established procedures.

- End -

CONTROLLING OFFICER'S REPLY

ITB044

(Question Serial No. 2218)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

With regard to innovation and technology start-ups, please provide the respective percentages of enterprises which have operated for 3 years or above and closed during their first 3 years of operation over the past 5 years. What are the financial resources and manpower involved in obtaining the above information?

Asked by: Hon QUAT Elizabeth (Member Question No. 50)

Reply:

In the past 5 years (i.e. 2012-13 to 2016-17), among the companies which completed the Cyberport incubation programme, 67%, 55%, 62%, 60% and 63% (as at February 2017) have survived for 3 or more years after graduation respectively. During the same period, among the graduated companies under the Incubation Programmes of Hong Kong Science Park, 75%, 75%, 79%, 75% and 74% (as at January 2017) are still in operation respectively, regardless of their duration of operation.

The above incubation programmes are operated and administrated by Cyberport and the Hong Kong Science and Technology Parks Corporation. No additional government resources are involved.

We do not have relevant information on other start-ups in the market.

- End -

CONTROLLING OFFICER'S REPLY**ITB045****(Question Serial No. 2230)**

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

Please list the measures currently adopted by the Government to promote co-operation between Hong Kong and the Mainland and overseas countries in the area of innovation and technology. What are the financial and manpower resources involved, and how is the co-operation going? Moreover, what policies and measures are adopted for the study and adoption of information and communications technology-related standards applicable to both places, and what is the progress? What are the financial and manpower resources involved?

Asked by: Hon QUAT Elizabeth (Member Question No. 47)

Reply:

The Innovation and Technology Bureau (ITB) is committed to promoting co-operation between Hong Kong and the Mainland and overseas countries in the area of innovation and technology (I&T). Last December, the Guangzhou Institutes of Biomedicine and Health under the Chinese Academy of Sciences announced it would set up a "Guangzhou Hong Kong Stem Cell and Regenerative Medicine Research Centre" in our Science Park. Early this year, the Hong Kong Special Administrative Region Government and the Shenzhen Municipal People's Government signed a Memorandum of Understanding, agreeing to co-operate in developing the Lok Ma Chau Loop into a "Hong Kong-Shenzhen Innovation and Technology Park". The Park will be developed with I&T as the main focus, where a key base for co-operation in scientific research, and relevant higher education, cultural and creative and other complementary facilities will be set up. The Government will also continue to provide \$110 million each year to support the work of the 16 "Partner State Key Laboratories" and 6 "Hong Kong Branches of the Chinese National Engineering Research Centres".

On co-operation with overseas countries, more top-tier global research and development institutes established their presence in Hong Kong last year. Last June, the Massachusetts Institute of Technology set up its first overseas Innovation Node in Hong Kong. Last October, the Karolinska Institutet from Sweden also established its first overseas Centre for Reparative Medicine in our Science Park.

On information and communications technology (ICT) standards applicable to Hong Kong and the Mainland, the Office of the Government Chief Information Officer and the Economic and Information Commission of Guangdong Province established the “Hong Kong/Guangdong ICT Expert Committee” in January 2016 to promote the development and application of technologies such as cloud computing, big data, Internet of Things and smart city, and to formulate standards and guidelines in these technical areas, so as to facilitate the industries of both places in participating in the formulation of ICT standards in international organisations.

The overall estimated expenditure of ITB for 2017-18 is about \$178.2 million. The work on promoting I&T co-operation between Hong Kong and the Mainland and overseas countries as well as co-operation between Hong Kong and the Mainland on ICT standards will be carried out jointly with the department under our purview with existing manpower and resources. A breakdown of the expenditure on such work is not available.

- End -

CONTROLLING OFFICER'S REPLY

ITB046

(Question Serial No. 0081)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: Not Specified

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

It is noted that the Innovation and Technology Fund for Better Living (FBL) would only accept applications from non-governmental organizations, non-profit-making organizations, professional bodies, trade associations and public bodies, which most of them may not have innovation and technology (I&T) capability to develop the products and services. In this regard, will the Government allow the above bodies to partner up with local universities or I&T firms to apply for FBL? Whether it had consulted the relevant parties that \$5 million of the grant ceiling is appropriate; if yes, of the details and the estimated cost in carrying out a large-scale project?

Asked by: Hon SHEK Lai-him, Abraham (Member Question No. 46)

Reply:

The Government will launch a \$500 million Innovation and Technology Fund for Better Living ("FBL") by the middle of this year to subsidise innovation and technology projects which will bring more convenient, more comfortable and safer living to the public, or those addressing the needs of specific community groups. Eligible applicants include subvented non-governmental and non-profit-making organisations, public bodies, trade associations and professional bodies. Having considered that these organisations may not possess the necessary technical knowhow, we encourage applicants to partner with research and development institutes or technology enterprises in developing their projects.

Taking into account the nature of FBL and making reference to the modes of operation of different funding schemes, both local and overseas, we consider that setting the ceiling of the grant at \$5 million is appropriate and conducive to the development of projects of wider scope. We briefed the Legislative Council Panel on Information Technology and Broadcasting about the details of FBL on 13 June 2016 and received general support from Members. The FBL will be reviewed as appropriate after its implementation.

- End -

CONTROLLING OFFICER'S REPLY

ITB047

(Question Serial No. 0082)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

In paragraph 68 of the 2017 Budget Speech, the FS has proposed to reserve \$10 billion for supporting I&T development in Hong Kong. Will the Administration inform this Committee about the details of the initiative including:

- a) whether the funding will be subsumed into the existing Innovation and Technology Fund; if not, of the differences between the new funding and the current Innovation and Technology Fund (e.g. the scope of funding, items to be subsidized, eligibility, and unallowable costs not to be covered);
- b) the targets to be achieved with the \$10 billion funding (e.g. the creation of job opportunities, the adoption of innovative technologies in the public sector, the promotion of local enterprises in developing brands, upgrading and restructuring operations, and promoting domestic sales in the Mainland and overseas); and
- c) the timetable to submit the funding proposal to the Finance Committee for vetting.

Asked by: Hon SHEK Lai-him, Abraham (Member Question No. 33)

Reply:

Our consolidated reply to the above questions raised is as follows:

It is announced in the 2017-18 Budget that \$10 billion will be reserved for supporting innovation and technology ("I&T") development in Hong Kong. We will make a holistic consideration of various feasible and appropriate uses, such as enhancing or extending effective projects (including projects under the Innovation and Technology Fund), and implementing new initiatives to further enhance the local I&T ecosystem. When a specific plan is available, we will apply for using the reserved provision through the internal

government resource allocation mechanism and seek funding approval from the Legislative Council in accordance with established procedures. We do not rule out at this stage that part of the provision may be reserved for the Innovation and Technology Fund to enhance or extend its projects.

- End -

CONTROLLING OFFICER'S REPLY

ITB048

(Question Serial No. 2146)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

One of the main responsibilities of the Innovation and Technology Bureau is to “formulate policies to support the use of local technology products and services”. Will the Government set an example by taking the lead in procuring local technology products and services? Will such policies constitute a violation of relevant procurement principles and parameters of the Government?

Asked by: Hon TIEN Puk-sun, Michael (Member Question No. 58)

Reply:

The Government's procurement policy is to obtain goods and services at the best value for money through open and fair competition. We do not favour or discriminate against any supplier. As a member of the Agreement on Government Procurement of the World Trade Organization (“WTO GPA”), Hong Kong has to abide by the relevant agreement and cannot impose any requirements which discriminate against foreign suppliers when procuring goods and services covered by the WTO GPA. On the other hand, the WTO GPA also ensures that when Hong Kong suppliers enter overseas markets, they can fairly compete with the local and other foreign suppliers for government contracts.

However, Hong Kong has also implemented facilitation measures which are similar to those of other overseas members, in order to encourage local suppliers to bid for government information technology (IT) projects. For example, free electronic procurement services are provided to improve prospective tenderers' efficiency and reduce their resources required in preparing tender submission; online platforms are launched to facilitate suppliers to introduce their scopes of business and products to government bureaux and departments.

To further encourage more local small and medium enterprises to bid for government IT service contracts, the Office of the Government Chief Information Officer has introduced a

number of enhancements in the new round of tendering exercise of the “Standing Offer Agreement for Quality Professional Services” (QPS SOA). They include raising the limit of contract value, increasing the number of contractors under the QPS SOA, relaxing the basic requirement for tendering in some service categories, and putting more emphasis on technical elements when making assessments. The Government will continue to actively consider and adopt feasible measures to encourage local suppliers to bid for government IT projects.

- End -

CONTROLLING OFFICER'S REPLY

ITB049

(Question Serial No. 6867)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

Please inform this Committee of the following information in table form:

- (1) the expenditure incurred by the Innovation and Technology Bureau (ITB) on online/ social media publicity in 2016-17, the manpower involved and the percentage share in the total expenditure. Please provide a breakdown by publicity channel;
- (2) the ways ITB assesses the effectiveness of the above measures, and whether the money is well spent;
- (3) the estimated expenditure to be incurred by ITB on the above measures in 2017-18 and the manpower to be involved.

Asked by: Hon TIEN Puk-sun, Michael (Member Question No. 54)

Reply:

In 2016-17, the Facebook account of ITB was mainly administered by the Political Assistant to the Secretary for Innovation and Technology. No extra resource is involved. The said arrangement will remain unchanged in 2017-18. Since its operation on 8 April 2016, the Facebook account obtained a total of 2 334 “Like”, reaching about 4 000 people per week on average as of 15 March 2017.

- End -

CONTROLLING OFFICER'S REPLY

ITB050

(Question Serial No. 1747)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (1) Director of Bureau's Office

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

The estimate for the Director of Bureau's Office in 2017-18 is 5.4% higher than that in 2016-17 and other bureaux's. What are the reasons?

Asked by: Hon TO Kun-sun, James (Member Question No. 53)

Reply:

The estimate of expenditure for Programme (1) of the Innovation and Technology Bureau for 2017-18 is \$15.5 million, which is \$0.8 million higher than the revised estimate for 2016-17. This is mainly due to the increased general departmental expenses of \$1.6 million and the decreased provision of \$0.8 million for staff salaries, allowances and related expenses.

- End -

CONTROLLING OFFICER'S REPLY

ITB051

(Question Serial No. 1753)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

The estimate for the Programme Innovation and Technology in 2017-18 is 561% higher than that in 2016-17. What are the reasons?

Asked by: Hon TO Kun-sun, James (Member Question No. 54)

Reply:

The estimated expenditure of the Innovation and Technology Bureau under Programme (2) for 2017-18 is \$162.7 million, which is \$138.1 million higher than the revised estimate for 2016-17. The increase in the estimate for 2017-18 is mainly due to:

- (a) Provision of \$100 million being the cash flow requirement of the Innovation and Technology Fund for Better Living to finance projects which improve Hong Kong people's daily life through adoption of innovation and technology;
- (b) Provision of \$10 million being the cash flow requirement of the TechConnect (block vote) to provide funding support to bureaux/departments for implementing projects which improve public service delivery or enhance operation efficiency by the adoption of technology; and
- (c) An increase of about \$23 million in salaries and general departmental expenses for the creation of 15 civil service posts and hiring of non-civil service contract staff, etc.

- End -

CONTROLLING OFFICER'S REPLY

ITB052

(Question Serial No. 3212)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: Not Specified

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

It is mentioned in the Budget Speech that since the establishment of the Bureau in November 2015, the Government has allocated over \$18 billion to enhance our innovation and technology ecosystem, provided funding support for universities and the industry to conduct research and development activities and supported start-ups. Please provide details in this connection.

Asked by: Hon TO Kun-sun, James (Member Question No. 51)

Reply:

Since the establishment of the Innovation and Technology Bureau in November 2015, the Government has allocated an additional sum of over \$18 billion to implement a series of initiatives, with a view to promoting the development of innovation and technology in Hong Kong in various ways. These initiatives include: the \$2 billion Midstream Research Programme for Universities; Stage 1 of the Science Park Expansion Programme, with a cost of some \$4.4 billion; the project of an Advanced Manufacturing Centre and a Data Technology Hub, with a cost of some \$8.2 billion; the \$2 billion Innovation and Technology Venture Fund; the \$500 million Technology Voucher Programme; the \$500 million Innovation and Technology Fund for Better Living; the \$500 million project of Wi-Fi Connected City; and enhancement measures under the Research and Development Cash Rebate Scheme, Public Sector Trial Scheme and Internship Programme, involving a total expenditure of \$360 million.

- End -

CONTROLLING OFFICER'S REPLY**ITB053****(Question Serial No. 3139)**Head: (135) Government Secretariat: Innovation and Technology BureauSubhead (No. & title):Programme: (1) Director of Bureau's OfficeControlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)Director of Bureau: Secretary for Innovation and TechnologyQuestion:

Since the establishment of the Innovation and Technology Bureau (ITB), how many visits (including the visits to the Mainland) have been made by its Secretary? Please provide details of the following: (a) date of visit, (b) destination, (c) expenses, (d) number of entourage members, (e) purpose of visit and (f) the organisations/institutions/government departments visited.

Asked by: Hon WU Chi-wai (Member Question No. 10)Reply:

Details of overseas duty visits made by the Secretary for Innovation and Technology since the establishment of the Innovation and Technology Bureau on 20 November 2015 are as follows (as at 28 February 2017):

Date of visit (no. of visits)	Destinations	Purpose of visit (including institutions visited)	No. of entourage members	Expenditure HK\$
2015-16 (4 visits)	Wuzhen and Hangzhou in Zhejiang Province, Beijing and Hainan	To attend meetings and events, and conduct exchanges (e.g. attending the World Internet Conference, and meeting with government officials and local bodies)	0-2 for each visit	About 91,000
2016-17 (as at 28 February 2017) (12 visits)	Huizhou, Shenzhen, Guiyang, Guangzhou, Nanchang, Wuzhen in Zhejiang Province and Beijing, Vienna in Austria, Toulouse and Paris in France, Frankfurt, Bayreuth, Amberg and Munich in Germany, San Francisco in the United States	To attend meetings and events, and conduct exchanges (e.g. attending the World Internet Conference and technology seminars, and meeting with government officials, local bodies, and personnel of innovation and technology organisations)	0-2 for each visit	About 615,000

- End -

CONTROLLING OFFICER'S REPLY

ITB054

(Question Serial No. 3207)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

How many consultancy study contracts have been awarded since the establishment of the Innovation and Technology Bureau (ITB)? Please provide details of the following: (a) period of the study, (b) name of the study, (c) objective of the study, (d) scope of the study, (e) consultant/research institute, (f) current progress and (g) the expenditure involved.

How many consultancy study contracts does the ITB plan to award in 2017-18? Please provide a breakdown by the items above.

Asked by: Hon WU Chi-wai (Member Question No. 11)

Reply:

Since its establishment on 20 November 2015, the Innovation and Technology Bureau has not awarded any consultancy study contracts. Neither does it have any plan to do so in 2017-18.

- End -

CONTROLLING OFFICER'S REPLY

ITB055

(Question Serial No. 3880)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

As proposed in paragraph 122 of the Budget Speech, “the tax policy unit (under the Financial Services and the Treasury Bureau) will also explore enhanced tax deductions for expenditure on innovation and technology”.

1. Will the tax policy unit include members of the Innovation and Technology Bureau (ITB)?
2. What role does ITB play in the above study? When will the tax policy unit be expected to complete the study and implement the above proposal?
3. Regarding the proposal in this year's Policy Address that “Hong Kong must consider how to enhance its overall competitiveness, including offering tax and financial concessions, and other policy support measures”, has ITB considered, besides the above tax and financial arrangements, any “other policy support measures”?

Asked by: Hon WU Chi-wai (Member Question No. 13)

Reply:

Having consulted the Financial Services and the Treasury Bureau (“FSTB”), the required information is provided below:

1&2: As announced in the 2017-18 Budget, a tax policy unit would be set up in the FSTB. The tax policy unit will seek to align Hong Kong's tax practices with international standards and actively study ways to foster the development of industries through tax measures including enhanced deductions for research and development (“R&D”) expenditure, to ensure that Hong Kong remains competitive under the new international order. The unit will also enhance our tax regime and explore broadening the tax base and increasing revenue, so as to ensure that adequate resources are available to support the sustainable development of our society.

The FSTB is actively making preparatory work for setting up the tax policy unit and aims to formulate the direction and study areas shortly. One of the study areas to be included in the first batch is the tax deduction arrangement for R&D expenditure.

The Innovation and Technology Bureau (“ITB”) will work in tandem with the tax policy unit on the overall promotion of R&D in Hong Kong.

3. Following the establishment of the ITB in November 2015, the Government has injected an additional funding of over \$18 billion to formulate a series of initiatives with a view to fostering I&T development in Hong Kong from multiple aspects, including increasing basic infrastructure for R&D; funding universities in conducting midstream research and commercialising R&D results; promoting “re-industrialisation”; subsidising the industry’s adoption of technology to upgrade and transform; supporting start-up developments; nurturing R&D talents; and funding projects that make use of I&T in improving the people’s daily living.

- End -

CONTROLLING OFFICER'S REPLY

ITB056

(Question Serial No. 3881)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

With reference to “co-ordinate the development of the Hong Kong/Shenzhen Innovation and Technology Park in the Lok Ma Chau Loop”, please advise on:

1. the establishment and ranks of the officers responsible for the co-ordination work, and the expenditure involved;
2. the specific work plan for 2017-18;
3. the number of meetings needed to be convened by the Joint Task Force on the Development of the Hong Kong/Shenzhen Innovation and Technology Park in the Loop in 2017-18; and the specific agenda items or issues to be discussed/addressed.

Asked by: Hon WU Chi-wai (Member Question No. 14)

Reply:

The requested information is provided below:

(1) The Innovation and Technology Bureau's overall estimated expenditure for 2017-18 is around \$178.2 million. The co-ordination work for the Hong Kong-Shenzhen Innovation and Technology Park (“the Park”) in the Lok Ma Chau Loop will be handled by the existing manpower and resources. A breakdown on the expenditure is not available.

(2) and (3) To take forward the work on the development of the Park in the Lok Ma Chau Loop, Hong Kong and Shenzhen have established the “Joint Task Force on the Development of the Hong Kong-Shenzhen Innovation and Technology Park” (“Joint Task Force”), co-chaired by the Secretary for Innovation and Technology and the Vice Mayor of Shenzhen Municipality, to conduct discussions and consultations on major issues relating to the Park. The Joint Task Force generally holds a meeting every half a year, and the first meeting was held on 9 February 2017 in Shenzhen. The upcoming work plan includes:

Promulgation of the statutory draft Outline Zoning Plan for the Loop	Second quarter of 2017
Setting up the subsidiary company by the Hong Kong Science and Technology Parks Corporation	Mid-2017
Seeking funding approval from the Legislative Council for the Advance Works and the design of Main Works Package 1	End-2017/Early 2018

- End -

CONTROLLING OFFICER'S REPLY

ITB057

(Question Serial No. 3882)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

On the initiative to “continue to examine policy issues and co-ordinate the Government’s efforts in promoting innovation and technology”, and in light of the fact that many new technologies are in conflict with existing legislations (e.g. the Road Traffic Ordinance):

1. Is there any department or manpower under the Innovation and Technology Bureau (ITB) responsible for reviewing existing legislations which hinder the development of innovation and technology? If yes, what are the staffing establishments, ranks of staff and expenditure involved?
2. Has the ITB conducted any legislative reviews with other bureaux to promote innovation and technology?
3. Has the ITB explored with other departments or institutions the provision of specified venues for testing new technologies, in the same vein as, for example, Singapore’s testing of driverless cars in the Science Park?

Asked by: Hon WU Chi-wai (Member Question No. 15)

Reply:

The information required is provided as follows:

(1) and (2):

The rule of law is the core value of Hong Kong. Any industry, including the innovation and technology (“I&T”) industry, must operate in a lawful manner. We note that certain I&T projects have brought about controversies around the world. As these I&T projects often require adjustments of the existing ecosystems, involving a number of stakeholders and having extensive and far-reaching implications, governments and regulatory authorities worldwide are still studying these complex matters and have yet to come up with a unified solution.

The relevant policy bureaux will make reference to the developments and experiences in other regions in handling these matters and take into account the actual situation and needs of Hong Kong, in order to consider relevant measures that can promote diversified economic development and make people's living more comfortable, convenient and safe. Meanwhile, the Innovation and Technology Bureau will provide support and advice to the relevant policy bureaux and departments from an I&T perspective. Such work will be undertaken by ITB with its existing manpower and resources. A breakdown of the expenditure involved is not available.

- (3) ITB and the organisations under its purview have been supporting the research and development of new technologies through various measures. For instance, the Hong Kong Science and Technology Parks Corporation (HKSTP) has launched the First@Science Park Programme to encourage partner companies to test their innovative technology or products in the Science Park. Participants of the Programme can showcase their innovative products or service solutions in the Science Park, or provide the Science Park with relevant solutions for testing purposes, as long as they are within the law and with the consent of the HKSTP. The Programme enables partner companies to develop products that can better meet the needs of the market by collecting actual data, feedback and trial responses.

- End -

CONTROLLING OFFICER'S REPLY

ITB058

(Question Serial No. 3883)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the promotion of “re-industrialisation” in Hong Kong:

1. Is there any division or staff in the Innovation and Technology Bureau that are currently responsible for promoting “re-industrialisation”? What are the staff establishment, rank and expenditure involved?
2. What are the details concerning the current division of work and co-operative relationship with the Commerce and Economic Development Bureau in promoting “re-industrialisation”? Have the government departments formulated any “re-industrialisation” policies? What are the policy objectives in this regard?
3. Has the Government formulated any policy objectives for promoting “re-industrialisation”, such as increasing the local industrial output or the share of technology in total output value?
4. Has the Government assessed how the promotion of “re-industrialisation” policies will affect the local economy in terms of total output value, employed population, research expenditure, shares of different industries in GDP, etc. in the next few years?

Asked by: Hon WU Chi-wai (Member Question No. 16)

Reply:

The required information is provided below:

- (1) The overall estimated expenditure of the Innovation and Technology Bureau (“ITB”) in 2017-2018 is about \$178.2 million. The work of promoting “re-industrialisation” will be carried out by ITB with its existing manpower and resources in collaboration with the Innovation and Technology Commission. A breakdown of the expenditure is not available.

- (2), (3) & (4) ITB is committed to promoting “re-industrialisation” with a view to developing high-end manufacturing that is based on new technologies and smart production but does not occupy much land, thereby seeking a new growing point for Hong Kong’s economy and creating quality and diversified employment opportunities.

To promote “re-industrialisation”, the Government has obtained funding from the Legislative Council in 2016 for the development of an Advanced Manufacturing Centre (“AMC”) and a Data Technology (“DT”) Hub in the Tseung Kwan O Industrial Estate by the Hong Kong Science and Technology Parks Corporation (“HKSTPC”) to promote smart production. The DT Hub is expected to be completed in 2020, while the AMC in 2021-22. In addition, the HKSTPC is now undergoing stage one of its expansion programme which will provide more technological infrastructure to the industry. On long-term land planning, we have earmarked sites near Liantang/Heung Yuen Wai Boundary Control Point for future development of industrial estates. Moreover, we will develop a Hong Kong-Shenzhen Innovation and Technology Park in the Lok Ma Chau Loop. The key base for cooperation in scientific research in the Park, together with the industrial strength of Shenzhen, is conducive to promoting commercialisation and industrialisation of R&D outcomes.

The Hong Kong Productivity Council (“HKPC”) has been assisting the manufacturing sector to move towards high value-added production and gradually into “Industry 4.0”. HKPC has been officially accredited as an “Industry 4.0 Expert” by the Fraunhofer Institute for Production Technology of Germany, and has organised a series of activities for enhancing the industry’s understanding of “Industry 4.0”. Furthermore, HKPC will establish an Inno Space to provide workspace and technical support to its users, so that they may develop their innovative ideas into industrial design, and translate the latter into products through prototyping.

In addition, various government departments and quasi-government organisations have set up support schemes, e.g. Trade and Industry Department’s “SME Loan Guarantee Scheme”, “SME Export Marketing Fund”, “SME Development Fund” and “Dedicated Fund on Branding, Upgrading and Domestic Sales” to assist the industry in areas such as obtaining finance and enhancing their overall competitiveness.

The 2017-18 Budget announced that the Government would set up a committee on innovation and technology development and re-industrialisation (“the Committee”). The Committee will co-ordinate the innovation and technology (“I&T”) development of Hong Kong and “re-industrialisation” through a higher-level and cross-bureaux approach. We are now working on the terms of reference and membership of the Committee with a view to commencing the appointment exercise as soon as practicable. We plan to invite the major stakeholders in the I&T and industrial sectors in Hong Kong to serve as members of the Committee and provide their views to the Government on matters relating to the promotion of I&T development and “re-industrialisation” of Hong Kong. We will work out the development strategies and work priorities having regard to the Committee’s recommendations.

- End -

CONTROLLING OFFICER'S REPLY

ITB059

(Question Serial No. 3886)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the promotion of open data and big data development, please inform this Committee of the following:

1. At present, apart from the Office of the Government Chief Information Officer (OGCIO), which is tasked to promote open data and big data analytics, is there any manpower dedicated to the promotion of open data in the Innovation and Technology Bureau (ITB)? If yes, what are the details?
2. Given that ITB has repeatedly mentioned about the promotion of big data, what are its work plans in this regard in 2017/18? Since open data involves a number of areas, will ITB take over the duties of promotion of open data and big data analytics from OGCI O?
3. In view of the introduction of Open Data Act in New York and a number of jurisdictions, does ITB have similar idea? Does the Government have any measures in place to encourage the public sector, such as the Hospital Authority, to provide more open data?
4. As regards open data of the private sector, how does the Government encourage the private sector, in particular public transport operators, to provide more open data?

Asked by: Hon WU Chi-wai (Member Question No. 19)

Reply:

My consolidated reply to various parts of the question is as follows:

Big data is now the core of technology and business innovation, as well as an important part of smart city development. The Innovation and Technology Bureau (ITB) has been promoting the use of big data and open data through the Office of the Government Chief Information Officer (OGCIO). The work involved is absorbed by the existing resources and manpower of the ITB and OGCI O.

The consultancy study to formulate a smart city blueprint for Hong Kong is expected to be completed in mid-2017. The study aims at promoting smart city development by putting forward a digital framework and a set of technical standards to facilitate the Government, public organisations and the business community to achieve wider and safer adoption of various technologies including big data.

The use of big data will enhance the productivity and efficiency of government departments and lower management costs. We will continue to promote big data analytics and application among government departments to enhance public services.

As for private organisations, the institutions under our purview will continue to encourage the industry in developing and using big data. For instance, the Hong Kong Science and Technology Parks Corporation has set up a “Big Data Office” to encourage schools and the industry to use big data to develop various technology products. For public transport operators, franchised bus companies and the MTR Corporation Limited have provided passengers with free real-time arrival information of respective routes through their websites, smartphone applications and display panels installed on bus stations/platforms. Meanwhile, the Transport Department is having discussions with the franchised bus companies on new features in “Hong Kong eTransport” smartphone application and website, so as to provide real-time arrival information of various bus routes. The new hyperlink function with the bus routes of the Kowloon Motor Bus Company (1933) Limited is expected to be launched in the first half of 2017. The Transport Department will continue to call on the public transport operators to support the Government’s overall policy on open data by providing open data on the Government’s “Data.Gov.HK” portal.

- End -

CONTROLLING OFFICER'S REPLY

ITB060

(Question Serial No. 3887)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

In light of the many criticisms from the information technology sector that the format and content of data release on the Government's "data.gov.hk" portal fail to meet the needs of the sector, did the Innovation and Technology Bureau and the Office of the Government Chief Information Officer discuss with the sector on ways to enhance the format and content of data release in the past year? If yes, please provide a detailed account of (a) the dates of meetings, (b) the groups met, (c) content of discussions, and (d) the follow-up actions.

Asked by: Hon WU Chi-wai (Member Question No. 20)

Reply:

Through the Office of the Government Chief Information Officer (OGCIO), the Innovation and Technology Bureau has been assisting and encouraging the government departments to open data. In 2016-17, the OGCIO exchanged views on the development of open data with various professional bodies, interested groups, university research centres, the Cyberport and the Hong Kong Science and Technology Parks Corporations. For this year, the OGCIO will garner the views of different sectors on open data through the Census and Statistics Department's Survey on Information Technology Usage and Penetration in the Business Sector for 2017.

The OGCIO has provided internal guidelines and made recommendations on how the bureaux/departments may, with regard to the nature of information, disseminate information in the most suitable data and machine readable format. Technical support will also be provided as appropriate. Taking into account the suggestions of the sector, the OGCIO is in the process of enhancing the "data.gov.hk" portal, which includes restructuring the release of datasets for easier access to the datasets required and increasing the amount of geographical and historical information so that the public may use public sector information to develop innovative applications and services.

- End -

CONTROLLING OFFICER'S REPLY

ITB061

(Question Serial No. 3888)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

As regards to “promote the use of innovation and technology within the Government to improve public service”, the Government stated that, upon the establishment of the Innovation and Technology Bureau (ITB), ITB would be responsible for the task to “take forward the various smart initiatives in the Digital 21 Strategy both within and outside Government. They include, for example, wider use of Internet of Things and sensor technology for better municipal management, deployment of big data analytics for more intuitive and predictive service planning, development of an e-Identity platform for secure and legally-binding e-transactions, enhancing cyber security, and more extensive use of paperless and digital solutions.”

1. What is the specific effectiveness of the above measures, such as the use of Internet of Things and the implementation of paperless solution?
2. To be specific, what innovation and technology has been promoted to use within the Government since the establishment of ITB? Please provide the details by (a) service launch date; (b) government departments involved; (c) details of the service; and (d) number of people benefited.
3. What are the projects to be launched by ITB in 2017/18 to improve public services?
4. What are the staff establishment and expenditure for the above work?

Asked by: Hon WU Chi-wai (Member Question No. 21)

Reply:

The information requested is set out below:

- (1) The Government has been implementing various smart initiatives within the Government. For example, there are currently over 1 100 Government forms which support electronic submission. We will continue to upgrade the

Government forms which are commonly used by the public to support electronic submission, and will also continue to promote the provision of more common e-Government services on GovCloud for the use of bureaux/departments, such as Electronic Recordkeeping System, e-Procurement System and Government Human Resources Management Services.

- (2)-(4) In 2017-18, the Government has earmarked \$500 million for the Innovation and Technology Bureau to assist government departments in using technologies to enhance the quality of public services. The fund earmarked will be used to support technology projects conceived and taken forward by departments, including pilot projects. We are considering the detailed operational arrangement for the fund, which include the establishment of an internal committee, vetting criteria and project monitoring, etc. In addition to the existing manpower, we plan to create 8 time-limited non-directorate posts and recruit non-civil service contract staff for supporting our work when necessary. The annual expenditure on the salaries of these non-directorate posts is about \$4.3 million.

- End -

CONTROLLING OFFICER'S REPLY

ITB062

(Question Serial No. 3890)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

On “promoting collaboration with Mainland and overseas science and research institutions”, it is mentioned in paragraph 54 of this year’s Policy Address that Hong Kong has “more top-tier global research and development institutes establishing their presence here”.

1. What are the number, cost, establishment and ranks of the staff responsible for “promoting collaboration with Mainland and overseas institutions”?
2. Among the institutes cited in the Policy Address, by which departments were they invited to Hong Kong? How many of them were invited by the Innovation and Technology Bureau?
3. In this connection, which “top-tier global research and development institutes” does the Bureau expect will establish presence in Hong Kong in 2017-18? Has the Bureau set any work targets (such as the number of institutes to be attracted to Hong Kong, or specific research areas of the target institutes)? If yes, what are the details?

Asked by: Hon WU Chi-wai (Member Question No. 26)

Reply:

The information requested is consolidated and provided below:

The Innovation and Technology Bureau (ITB) is committed to promoting co-operation between Hong Kong and the Mainland and overseas countries in the area of innovation and technology (I&T). Through the joint efforts of different stakeholders, more top-tier global research and development institutes established their presence in Hong Kong last year. For instance, the Massachusetts Institute of Technology set up its first overseas Innovation Node in Hong Kong last June. The Karolinska Institutet from Sweden also established its first overseas Centre for Reparative Medicine in our Science Park last October.

On co-operation with the Mainland, the Guangzhou Institutes of Biomedicine and Health under the Chinese Academy of Sciences announced last December that it would set up a “Guangzhou Hong Kong Stem Cell and Regenerative Medicine Research Centre” in our Science Park. Early this year, the Hong Kong Special Administrative Region Government and the Shenzhen Municipal People’s Government signed a Memorandum of Understanding, agreeing to co-operate in developing the Lok Ma Chau Loop into a “Hong Kong-Shenzhen Innovation and Technology Park”. The Park will be developed with I&T as the main focus, where a key base for co-operation in scientific research, and relevant higher education, cultural and creative and other complementary facilities will be set up.

In 2017-18, we will focus on fostering the development of industries which enjoy advantages, including biotechnology, big data, the Internet of Things, artificial intelligence and smart city. ITB will collaborate with Invest Hong Kong and the ETOs to actively encourage relevant research institutions, universities and enterprises to establish their presence in Hong Kong.

The overall estimated expenditure of ITB for 2017-18 is about \$178.2 million. The work on promoting co-operation between Hong Kong and top-tier global research and development institutes will be carried out jointly with the department under our purview with existing manpower and resources. A breakdown of the expenditure on such work is not available.

- End -

CONTROLLING OFFICER'S REPLY

ITB063

(Question Serial No. 3891)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

After taking office, the Secretary for Innovation and Technology put forward 9 priority initiatives, including “seeking to promote the procurement of local innovation and technology products and services, in a way that complies with the World Trade Organization’s procurement agreement for governments”.

What is the progress of the above initiative? Since the establishment of the Innovation and Technology Bureau, has the percentage of using local innovation and technology products and services within the Government increased? Has the Bureau set any targets for the above initiative?

Asked by: Hon WU Chi-wai (Member Question No. 27)

Reply:

The Government’s procurement policy is to obtain goods and services at the best value for money through open and fair competition. We do not favour or discriminate against any supplier. As a member of the Agreement on Government Procurement of the World Trade Organization (“WTO GPA”), Hong Kong has to abide by the relevant agreement and cannot impose any requirements which discriminate against foreign suppliers when procuring goods and services covered by the WTO GPA. On the other hand, the WTO GPA also ensures that when Hong Kong suppliers enter overseas markets, they can fairly compete with the local and other foreign suppliers for government contracts.

However, Hong Kong has also implemented some facilitation measures which are similar to those of other overseas members, in order to encourage local suppliers to bid for government information technology (“IT”) projects. For example, free electronic procurement services are provided to improve prospective tenderers’ efficiency and reduce

their resources required in preparing tender submission; online platforms are launched to facilitate suppliers to introduce their scopes of business and products to government bureaux and departments.

To further encourage more local small and medium enterprises (“SMEs”) to bid for government IT service contracts, the Office of the Government Chief Information Officer has introduced a number of enhancements in the new round of tendering exercise of the “Standing Offer Agreement for Quality Professional Services” (“QPS SOA”). They include raising the limit of contract value, increasing the number of contractors under the QPS SOA, relaxing the basic requirement for tendering in some service categories, and putting more emphasis on technical elements when making technical and price assessments. The Government will continue to actively consider and adopt feasible measures to encourage local suppliers to bid for government IT projects.

We have not set any performance targets for the above enhancements. We will closely monitor the overall effectiveness of the enhancement measures and review in a timely manner, so as to attract more local SMEs to bid for government IT projects.

- End

CONTROLLING OFFICER'S REPLY

ITB064

(Question Serial No. 4503)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

It was stated in the Policy Address last year that sites would be identified near the Liantang/Heung Yuen Wai Boundary Control Point for the development of the Science Park and industrial estates. Please advise this Committee of the following:

1. The manpower currently responsible for the development of the above project in the Innovation and Technology Bureau and other government departments, as well as the expenditure;
2. Whether the above project (i.e. the development of the Science Park and industrial estates) has to wait for the completion of the site formation and infrastructure works being carried out by the Civil Engineering and Development Department for the Liantang/Heung Yuen Wai Boundary Control Point; and
3. What is the time table for the launch of the above project (i.e. the development of the Science Park and industrial estates) anticipated by the Government? What is the current progress of the work? Are there any preliminary development plans or parameters?

Asked by: Hon WU Chi-wai (Member Question No. 119)

Reply:

The required information is provided below.

(1) The overall estimated expenditure of the Innovation and Technology Bureau ("ITB") for 2017-18 is about \$178.2 million. ITB will, together with the Innovation and Technology Commission ("ITC"), take forward the project of developing the Science Park and Industrial Estate at the Liantang/Heung Yuen Wai Boundary Control Point with existing manpower and resources. A breakdown on the expenditure is not available. On the other hand, the Planning Department ("PlanD") has completed the preliminary planning study. The study was conducted by its internal staff as an integral part of its overall work. PlanD does not keep a separate set of statistics on manpower and expenditure incurred for the related work.

(2) & (3) The project of Liantang/Heung Yuen Wai Boundary Control Point is due for completion by the end of 2018. As regards identifying sites near the Liantang/Heung Yuen Wai Boundary Control Point for the development of the Science Park and industrial estates as announced in the 2016 Policy Address, PlanD has completed the preliminary study on site selection and has earmarked a site of an area of about 56 hectares to the south of the Control Point for the development of the Science Park and industrial estates. ITB has commissioned the Hong Kong Science & Technology Parks Corporation to conduct a preliminary planning study to look into the feasibility of developing industrial estates at the site. The report is expected to be completed in the second half of 2017, providing the basis for the consideration of development scale and the implementation of detailed planning and engineering feasibility study.

- End -

CONTROLLING OFFICER'S REPLY

ITB065

(Question Serial No. 4527)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title): (000) Operational expenses

Programme: Not Specified

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

As “it is expected that there will be an increase of 15 posts in 2017-18”, what is the establishment (including ranks and salaries) of the 15 posts? What are the duties and specific work of these posts?

Asked by: Hon WU Chi-wai (Member Question No. 124)

Reply:

Details of the 15 posts to be created in the Innovation and Technology Bureau in 2017-18 are as follows:

Rank	Number	Salary of respective rank (HK\$)	Work nature
Senior Administrative officer	1	\$105,880-\$121,985	To strengthen policy formulation and administrative support.
Executive Officer I	1	\$51,780-\$65,150	
Analyst/ Programmer I	1	\$51,780-\$65,150	
Supplies Supervisor I	1	\$29,455-\$37,570	
Assistant Clerical Officer	3	\$13,735-\$28,040	
Senior Executive Officer	1	\$65,740-\$99,205	To prepare for the establishment and implementation of the TechConnect (block vote).
Executive Officer I	1	\$51,780-\$65,150	
Executive Officer II	1	\$28,040-\$49,445	
Treasury Accountant	1	\$56,755-\$99,205	
Personal Secretary I	1	\$29,455-\$37,570	
Assistant Clerical Officer	3	\$13,735-\$28,040	
Total	15		

- End -

CONTROLLING OFFICER'S REPLY

ITB066

(Question Serial No. 1860)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

The \$10 billion reserved for supporting innovation and technology development in Hong Kong mentioned in the Budget Speech is not found in the provisions for the Innovation and Technology Bureau and the Innovation and Technology Commission. Please advise this Committee how many bureaux and projects will be covered by it and the anticipated effectiveness.

Asked by: Hon YEUNG Alvin (Member Question No. 30)

Reply:

It is announced in the 2017-18 Budget that \$10 billion will be reserved for supporting innovation and technology (I&T) development in Hong Kong. We will consider, in a holistic manner, various feasible and appropriate uses, such as enhancing or extending effective projects (including projects under the Innovation and Technology Fund), and implementing new initiatives to further enhance the local I&T ecosystem. When a specific plan is available, we will apply for using the reserved provision through the internal government resource allocation mechanism, and seek funding approval from the Legislative Council in accordance with established procedures. As such, the item is not found in the provisions for the Innovation and Technology Bureau and the Innovation and Technology Commission for 2017-18.

- End -

CONTROLLING OFFICER'S REPLY

ITB067

(Question Serial No. 3957)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title): (700) General non-recurrent

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

Please inform this Committee of the items incurring the expenditure of \$100,000,000 under the subhead “General non-recurrent”.

Asked by: Hon YEUNG Alvin (Member Question No. 64)

Reply:

The “General non-recurrent expenditure” of \$100 million will be used to finance projects under the Innovation and Technology Fund for Better Living (“FBL”).

It was announced in the 2016 Policy Address that the Government would set up the FBL with a commitment of \$500 million to finance innovation and technology projects that make use of innovative ideas and technologies to improve people’s daily life or cater for the needs of specific community groups. The FBL will be open for applications in mid-2017.

- End -

CONTROLLING OFFICER'S REPLY

ITB068

(Question Serial No. 3126)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

What measures does the Innovation and Technology Bureau (ITB) have in place to increase direct government investment in research and development (R&D) when extensive investments in technology start-ups and R&D activities are not seen in the market in the near future? Will the Government, as the Singapore government does, launch major funding schemes to support research, innovation and start-ups activities? If yes, will the Government please advise the relevant strategies for direct investment in R&D in the next 5 years. If no, what are the reasons? What are the staff establishment in the ITB and their ranks responsible for the strategy for promoting R&D? Please advise on the operational expenses and estimated salary expenditure for the above work in the past year and in the estimated budget in 2017-18?

Asked by: Hon YIU Chung-yim (Member Question No. 51)

Reply:

The Government is committed to the promotion of R&D. The Innovation and Technology Fund (ITF) established in 1999 is to finance projects that contribute to innovation and technology (I&T) upgrading and development in manufacturing and services industries in Hong Kong with a view to enhancing Hong Kong's economic development. To encourage the private sector to engage in R&D activities, we raised the level of cash rebate to 40% under the R&D Cash Rebate Scheme in 2016. In December 2016, we launched the Midstream Research Programme for Universities to encourage universities to collaborate with each other and leading research institutions worldwide to conduct more inter-disciplinary and translational R&D work in focused technology areas, so that more research outcomes could be made available for further downstream research work or product development.

Moreover, ITF will continue to support each of the 16 Partner State Key Laboratories and 6 Hong Kong Branch of Chinese National Engineering Research Centres in Hong Kong with

an annual funding of up to \$5 million. Also, starting from this financial year, we will extend the funding scope from manpower and equipment to consumables, with a view to further enhancing our support for them. ITF will also continue to provide an annual funding of up to \$4 million to the Technology Transfer Offices of 6 local universities to enhance their capabilities of technology transfer. The Government has also requested, through the University Grant Committee, all universities to refine their knowledge and technology transfer plans and strengthen the role of their Knowledge Transfer Offices in co-ordinating and commercialising research outputs.

It is announced in the 2017-18 Budget that \$10 billion will be earmarked for supporting I&T development in Hong Kong. We will make a holistic consideration of various feasible and appropriate uses, such as enhancing or extending effective projects (including projects under ITF), and implementing new initiatives to further enhance the local I&T ecosystem.

The overall revised expenditure of ITB for 2016-17 is about \$39.3 million and the overall estimated expenditure for 2017-18 is about \$178.2 million. On the promotion of R&D, we handle the work with our department with existing manpower and resources. A breakdown of the expenditure on such work is not available.

- End -

CONTROLLING OFFICER'S REPLY

ITB069

(Question Serial No. 3130)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

In its work on innovation and technology (I&T), the Innovation and Technology Bureau (ITB) will “promote measures that support technology start-ups”. Please inform this Committee of the operational expenses and estimated payroll cost of the ITB involving the above work last year and in the Estimates for 2017-18; the staff establishment and rankings of officials responsible for such work; the joint research and development projects underway; specific measures for implementing such work; and the progress or time table of such work in 2017-18.

In addition, does the ITB have any scheme to grant repayment-free venture capital to I&T start-ups? If yes, please provide the items involved; if no, please explain why and whether the ITB will consider such scheme. Regarding the “Innovation and Technology Venture Fund” which supports local I&T start-ups by providing funds to them on a matching basis of about one to two as mentioned in the Budget, how to ensure a stable private investment in the Fund and how to ensure that the Government-pledged matching basis of one to two will not be discontinued due to insufficient participation of private investment?

Asked by: Hon YIU Chung-yim (Member Question No. 54)

Reply:

With regard to the question above, we provide a consolidated reply as follows:

Support for start-ups is of particular importance to the development of innovation and technology. The Government, through the Innovation and Technology Fund, the incubation programmes of the Hong Kong Science and Technology Parks Corporation (“HKSTPC”) and Cyberport, as well as different subsidy schemes by universities, provides support to start-ups, including concessionary rents, working space, common facilities, sponsorship and support for marketing and business development.

At present, HKSTPC provides support to start-ups in the fields of technology, biomedical, as well as web and mobile technology through its incubation programmes. Apart from the existing co-working space in the Science Park, HKSTPC built an additional co-working space named “Lion Rock 72” with a floor area of about 100 000 square feet at its InnoCentre in Kowloon Tong for nurturing companies in October 2016. As at the end of February 2017, 254 companies were enrolled in the incubation programmes. Moreover, for filling the funding gaps for local technology start-ups, HKSTPC allocated a funding of \$50 million in July 2015 to set up the Corporate Venture Fund to co-invest with angel investors or venture capital funds on a matching basis in start-ups which currently or previously participated in its incubation programmes.

Over the years, Cyberport has been committed to nurturing technology start-ups and talents. Since its inception in 2005 to February 2017, the Cyberport Incubation Programme has admitted a total of 424 technology start-ups. From 2016-17 onwards, Cyberport has increased the annual incubation programme quotas from 50 to 100. New clusters in FinTech and e-commerce have also been established to meet the latest demand from the industry and the market. Cyberport currently provides Smart-Space small office and co-workstations for start-ups to rent well-equipped office units at an affordable price. To address the keen demand for these office units of start-ups in recent years, Cyberport has increased the provision of Smart-Space by 60% within 2016 to a total floor area of about 122 900 square feet to accommodate over 430 companies altogether, among which 47 300 square feet are designated for FinTech companies. Moreover, Cyberport set up a \$200 million Cyberport Macro Fund in August 2016 to provide start-ups in Cyberport with seed to Series A stage funding, thereby fostering venture capital and angel investments in Hong Kong.

To encourage venture capital funds to invest in local innovation and technology start-ups, we will set up a \$2 billion Innovation and Technology Venture Fund (“ITVF”). ITVF will co-invest with venture capital funds in Hong Kong’s innovation and technology start-ups at a funding matching ratio of about 1 to 2. ITVF is expected to commence operation in the first half of 2017.

Besides, the Innovation and Technology Commission launched the Technology Start-up Support Scheme for Universities (“TSSSU”) in September 2014 to provide an annual funding of up to \$4 million to each of the six local universities to support their teams to establish technology start-ups and facilitate the commercialisation of research and development outcomes. The Legislative Council Panel on Commerce and Industry endorsed at its meeting held in December 2016 the continuing support for implementing TSSSU up to 2019-20.

The Innovation and Technology Bureau’s revised overall estimated expenditure for 2016-17 was around \$39.3 million and its overall estimated expenditure for 2017-18 is around \$178.2 million. The Bureau will continue to carry out the work on supporting technology start-ups jointly with the departments under its purview with existing manpower and resources. A breakdown on the expenditure is not available.

- End -

CONTROLLING OFFICER'S REPLY

ITB070

(Question Serial No. 3131)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

In its work on innovation and technology, the Innovation and Technology Bureau (ITB) will “promote research and development (R&D) collaboration with the world’s top-notch science and research institutes”. Please inform this Committee of the operational expenses and estimated payroll cost of the ITB involving the above work last year and in the Estimates for 2017-18; the staff establishment and rankings of officials responsible for such work; the joint R&D projects underway; specific measures for implementing such work; the top-notch science and research institutes the ITB is going to work/working with in the projects under planning or committed; and the progress or time table of such work in 2017-18.

Asked by: Hon YIU Chung-yim (Member Question No. 62)

Reply:

The Innovation and Technology Bureau (ITB) is committed to promoting co-operation between Hong Kong and the Mainland and overseas countries in the area of innovation and technology (I&T). Last December, the Guangzhou Institutes of Biomedicine and Health under the Chinese Academy of Sciences announced it would set up a “Guangzhou Hong Kong Stem Cell and Regenerative Medicine Research Centre” in our Science Park. Early this year, the Hong Kong Special Administrative Region Government and the Shenzhen Municipal People’s Government signed a Memorandum of Understanding, agreeing to co-operate in developing the Lok Ma Chau Loop into a “Hong Kong-Shenzhen Innovation and Technology Park”. The Park will be developed with I&T as the main focus, where a key base for co-operation in scientific research, and relevant higher education, cultural and creative and other complementary facilities will be set up. The Government will also continue to provide \$110 million each year to support the work of the 16 “Partner State Key Laboratories” and 6 “Hong Kong Branches of the Chinese National Engineering Research Centres”.

On co-operation with overseas countries, more top-tier global research and development institutes established their presence in Hong Kong last year. Last June, the Massachusetts Institute of Technology set up its first overseas Innovation Node in Hong Kong. Last October, the Karolinska Institutet from Sweden also established its first overseas Centre for Reparative Medicine in our Science Park.

In 2017-18, we will focus on fostering the development of industries which enjoy advantages, including biotechnology, big data, the Internet of Things, artificial intelligence and smart city. ITB will collaborate with Invest Hong Kong and the ETOs to actively encourage relevant research institutions, universities and enterprises to establish their presence in Hong Kong.

The overall estimated expenditure of ITB for 2017-18 is about \$178.2 million. The work on promoting co-operation between Hong Kong and top-tier global research and development institutes will be carried out jointly with the department under our purview with existing manpower and resources. We do not keep a breakdown of the expenditure on such work.

- End -

CONTROLLING OFFICER'S REPLY**ITB071****(Question Serial No. 3132)**Head: (135) Government Secretariat: Innovation and Technology BureauSubhead (No. & title):Programme: (2) Innovation and TechnologyControlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)Director of Bureau: Secretary for Innovation and TechnologyQuestion:

The Government stated in the Budget that “over \$18 billion has been allocated to the Innovation and Technology Bureau (ITB) so far to enhance our Innovation and Technology (I&T) ecosystem, providing funding support for universities and the industry to conduct research and development (R&D) activities and supporting start-ups”. Please set out in the attached table the funding schemes launched by ITB so far for the development of industries, promoting the integration of technology into people’s daily life, and conducting R&D activities by institutions; the objectives, target applicants, and total amount of grant of each scheme; the maximum grant for each application; the number of projects benefited under each scheme (for schemes already in operation) and the number of projects expected to be benefited (for schemes yet to be implemented or relevant statistic figures yet to be available).

Title of Scheme	Objective of Scheme	Target Applicant	Total Amount of Grant under the Scheme	Maximum Grant for Each Application	Number of Projects Benefited

Asked by: Hon YIU Chung-yim (Member Question No. 65)

Reply:

The 2016 Policy Address and the 2016-17 Budget announced an injection of over \$18 billion to formulate a series of measures with a view to promoting the development of local I&T from multiple aspects. The details of the relevant measures are tabulated as follows:

Title	Objective	Target Applicant	Total Amount	Maximum Grant for Each Application (if applicable)	Number of Projects Benefited (if applicable)
Midstream Research Programme for Universities	To encourage universities to conduct more theme-based midstream research	University Grants Committee (“UGC”)-funded universities	\$2 billion (projects will be funded by investment returns)	Funding ceiling for each project is \$5 million. Funding ceiling for projects involving inter-disciplinary or inter-institutional collaboration is \$10 million.	Applications being received. Relevant statistics is not available.
Stage 1 of the Science Park Expansion Programme	To provide an extra Gross Floor Area of 73 000 square meters of R&D office space	I&T industry	Estimated development cost is \$4,428 million	Not applicable	Not applicable
Advanced Manufacturing Centre at the Tseung Kwan O Industrial Estate	To promote “re-industrialisation”	Enterprises engaging in high-value-added production, products including: (i) medical, healthcare, and hospital devices and apparatus; (ii) biomedical engineering devices, implants and apparatus; (iii) intelligent electronic and optical apparatus; (iv) intelligent sensors and advanced assembly of semiconductors; and (v) robot electronics and intelligent power devices that dovetail with smart city development.	Estimated development cost is \$6,633 million	Not applicable	Not applicable

Title	Objective	Target Applicant	Total Amount	Maximum Grant for Each Application (if applicable)	Number of Projects Benefited (if applicable)
Data Technology Hub at the Tseung Kwan O Industrial Estate	To promote “re-industrialisation”	Information technology-related enterprises, including data centres, cloud service providers, IT service outsourcing/ system integrators, financial services companies, data centre suppliers and service providers.	Estimated development cost is \$1,615 million	Not applicable	Not applicable
Innovation and Technology Venture Fund	To stimulate private investments in local I&T start-ups to increase deal flow	Local I&T startups	\$2 billion	<p>For each venture capital (“VC”) fund, the maximum aggregate amount of matching investments from the Government shall be capped at \$400 million</p> <p>Maximum investment quantum in each investment deal should not be more than 40% of the total amount of investment sought by the investee company in such deal or \$30 million, whichever is lower</p> <p>The Government’s aggregate amount of investment in each start-up would be capped at \$50 million</p>	It is anticipated that the Government will partner with 4 to 5 VC Funds to co-invest in 40 to 50 I&T startups in the first 4 to 5 years

Title	Objective	Target Applicant	Total Amount	Maximum Grant for Each Application (if applicable)	Number of Projects Benefited (if applicable)
Technology Voucher Programme	To subsidise local small and medium enterprises (“SMEs”) in using technological services and solutions to improve productivity, or upgrade or transform	Local SMEs	\$500 million	\$200,000 (per SME)	Not less than 2 500 SMEs
Innovation and Technology Fund for Better Living	To subsidise I&T projects that make people’s life more convenient, more comfortable and safer, or cater for the needs of specific groups	General public or specific groups	\$500 million	\$5 million	Subject to the number of applications and the amount of subsidies
Wi-Fi Connected City	To enhance free Wi-Fi services in Government and other venues, and to extend the service to cover more areas, so as to build Hong Kong as a Wi-Fi connected city	General public and visitors	\$500 million	Not applicable	Not applicable
Increase the rebate level of the R&D Cash Rebate Scheme	To encourage private companies to invest more in R&D and increase cooperation with public research institutions	Private companies	Extra expenditure of about \$32 million each year	40% of R&D investment made by private companies	From its introduction in April 2010 to end of this January, more than 1 500 applications had been approved
Expanded Public Sector Trial Scheme (“PSTS”)	To enhance the ecosystem of local start-ups	Incubatees of the Hong Kong Science and Technology Parks Corporation (“HKSTPC”) and Cyberport, including graduates from the incubation programmes who stay on as tenants	Extra expenditure of about \$48 million each year	\$1 million	<p>From its introduction in March 2011 to end of this January, more than 130 projects had been approved, benefitting 190 public organisations.</p> <p>From the introduction of the expanded PSTS in December 2016 to end of this January, no application had been received from incubatees yet.</p>

Title	Objective	Target Applicant	Total Amount	Maximum Grant for Each Application (if applicable)	Number of Projects Benefited (if applicable)
Expanded Internship Programme	To support private companies in making investment in R&D and nurturing more I&T talent	Incubatees and SME tenants of the HKSTPC and Cyberport	Extra expenditure of about \$230 million each year	Undergraduate: \$14,000 per month; Postgraduate or above: \$16,500 per month The maximum internship period for each intern is 24 months. The total funded internship period for each company should be no more than 48 months.	From its introduction in July 2004 to end of this January, 2 453 applications had been approved, including 9 applications that were approved since the Programme was expanded in last December.

- End -

CONTROLLING OFFICER'S REPLY

ITB072

(Question Serial No. 5427)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (1) Director of Bureau's Office, (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the records management work of the Innovation and Technology Bureau and the departments under its purview over the past year:

Please provide information on the number and rank of officers designated to perform such work. If there is no officer designated for such work, please provide information on the number of officers and the hours of work involved in records management duties, and the other duties they have to undertake in addition to records management.

Please provide information on programme and administrative records which have been closed pending transfer to the Government Records Service (GRS) for appraisal, including category of records, years covered by the records, quantity and linear metres of records, retention period approved by GRS, are they confidential documents and reasons for not having been transferred.

Please list in the table below information on programme and administrative records which have been transferred to GRS for retention, including category of records, years covered by the records, quantity and linear metres of records, year of transfer to GRS, retention period approved by GRS, are they confidential documents and reasons for not having been transferred.

Please list in the table below information on records which have been approved for destruction by GRS, including category of records, title of records, years covered by the records, quantity and linear metres of records, year of transfer to GRS, retention period approved by GRS, are they confidential documents, reasons for not having been transferred and reasons for approving the destruction.

Asked by: Hon YIU Chung-yim (Member Question No. 196)

Reply:

The information sought is provided below.

Innovation and Technology Bureau

In accordance with the Government's records management policy, this Bureau has designated staff of different ranks to perform records management duties as follows:

- (i) 1 Chief Executive Officer (CEO) serving as Departmental Records Manager (DRM) to devise, carry out and document departmental records management practices and procedures according to the guidelines and advice of GRS;
- (ii) 1 Executive Officer (EO) II serving as Assistant Departmental Records Manager (ADRM) to assist the DRM in the execution of the duties concerned; and
- (iii) 3 Clerical Officers (COs), 4 Assistant Clerical Officers (ACOs), 2 Clerical Assistants (CAs) and 3 Personal Secretaries (PSs) I being responsible for the execution of certain records management duties.

In the course of performing daily duties, officers of different ranks in this Bureau are involved in related records management work to meet operational needs.

The Innovation and Technology Bureau does not have any programme and administrative records which have been closed pending transfer to GRS for appraisal, transferred to GRS for retention or approved for destruction by GRS.

Office of the Government Chief Information Officer

In accordance with the Government's records management policy, the Office of the Government Chief Information Officer (OGCIO) has designated staff of different ranks to perform records management duties as follows:

- (i) 1 CEO serving as DRM to devise, carry out and document departmental records management practices and procedures according to the guidelines and advice of GRS;
- (ii) 1 Senior Executive Officer serving as ADRM to assist the DRM in the execution of the duties concerned;
- (iii) 3 EOs I, 1 EO II, 3 Senior Clerical Officers (SCOs), 1 Accounting Officer I, 1 Chief Training Officer, 1 Computer Operation Manager and 1 Senior Supplies Officer being responsible for supervising records management in different divisions/sections; and
- (iv) 4 COs, 8 ACOs, 1 PS II and 1 Computer Operator I being responsible for the execution of certain records management duties.

In the course of performing daily duties, officers of different ranks in the OGCIO are involved in related records management work to meet operational needs.

Information on programme and administrative records which have been closed pending transfer to GRS for appraisal is as follows:

Category	Years covered	Quantity and linear metres	Retention period approved by GRS	Are they confidential documents	Reasons for non-transfer
Administrative records	2004-2016	25 records/ 1.25 linear metres	3-13 years	Yes: 4 No: 21	The retention period approved by GRS is not yet expired
Programme records	2005-2016	6 records/ 0.3 linear metre	14 years	Yes: 1 No: 5	

Information on programme and administrative records which have been transferred to GRS for retention is as follows:

Category	Years covered	Quantity and linear metres	Year of transfer to GRS	Retention period approved by GRS	Are they confidential documents
Administrative records	1965-2007	125 records/ 0.6 linear metre	2016	3-5 years; or 7 years after the officer has left the service	Yes: 0 No: 125
Programme records	Not applicable (N.A.)	N.A.	N.A.	N.A.	N.A.

Information on records which have been approved for destruction by GRS is as follows:

Category	Title	Years covered	Quantity and linear metres	Year of transfer to GRS	Retention period approved by GRS	Are they confidential documents	Reasons for non-transfer	Reasons for approving the destruction
Administrative records	Accommodation Allowances Pension Appointments and Posting Conduct and Discipline Establishment Health and Safety Leave and Authorised Absence Promotions and Examinations Recreation and Welfare Salaries Recruitment	1971-2006	61 records/ 2.62 linear metres	2016	2-5 years	Yes: 0 No: 61	N.A.	These records no longer have administrative, operational, financial and legal values. They have also been appraised by GRS as having no archival value. Hence, subject to GRS Director's approval, they can be destroyed after the periods specified in the Records Disposal Schedules.
	Service Records				7 years after the officer has left the service			
Programme records	IT-related Matters	1979-2000	2 558 records/ 127.9 linear metres	2016	14 years	Yes: 82 No: 2 476	N.A.	

Innovation and Technology Commission

In accordance with the Government's records management policy, the Innovation and Technology Commission (ITC) has designated staff of different ranks to perform departmental records management duties and report to a directorate officer responsible for overseeing such work:

- (i) 1 CEO serving as the DRM to assist in establishing and implementing the departmental records management programme;
- (ii) 2 EOs I serving as ADRMs to assist the DRM in the execution of the duties concerned; and
- (iii) 8 officers not below the rank of EO II serving as the Records Managers to monitor the records management of various divisions.

In addition, each division of the ITC has its own general registry with clerical grade staff responsible for filing and records management routines. In terms of manpower, there are 1 SCO, 10 COs, 28 ACOs and 13 CAs.

Information on programme and administrative records which have been closed pending transfer to GRS for appraisal is as follows:

Category	Years covered	Quantity and linear metres	Retention period approved by GRS	Are they confidential documents	Reasons for non-transfer
Programme records	2001-2016	717 records/ 33.31 linear metres	1-25 years	No	The retention period approved by GRS is not yet expired
Programme records	2002-2016	182 records/ 9.07 linear metres	8-25 years	Yes	
Administrative records	2006-2016	38 records/ 1.9 linear metres	2-5 years	No	
Administrative records	2012-2016	8 records/ 0.4 linear metre	3 years	Yes	

Information on programme and administrative records which have been transferred to GRS for retention is as follows:

Category	Years covered	Quantity and linear metres	Year of transfer to GRS	Retention period approved by GRS	Are they confidential documents
Programme records	1972-1983	14 records/ 0.56 linear metre	2015	30 years	No
Programme records	1975-1983	21 records/ 0.84 linear metre	2015	30 years	Yes

Information on records which have been approved for destruction by GRS is as follows:

Category	Title	Years covered	Quantity and linear metres	Year of transfer to GRS	Retention period approved by GRS	Are they confidential documents	Reasons for non-transfer	Reasons for approving the destruction
Programme records	Industry Development Board and Industry and Technology Development Council Employment Information and Records of Assessors/ Technical	1982-2012	5 925 records/ 54.93 linear metres	2015-2016	1-30 years	No	N.A.	These records no longer have administrative, operational, financial and legal values. They have also been appraised by GRS as having no archival value. Hence, subject to GRS

Category	Title	Years covered	Quantity and linear metres	Year of transfer to GRS	Retention period approved by GRS	Are they confidential documents	Reasons for non-transfer	Reasons for approving the destruction
	Assessors of the Accreditation Service Statistics on Hong Kong Accreditation Service Applications and Assessment Cases of Accredited Laboratories Applications and Assessment Cases of Accredited Certification Bodies Applications and Assessment Cases of Accredited Testing Bodies Standards Sale Services Laboratory Instruments Instruments of Government Departments and Private Bodies							Director's approval, they can be destroyed after the periods specified in the Records Disposal Schedules.
Programme records	Member Profiles of Hong Kong Council for Testing and Certification	2009-2012	2 records/ 0.09 linear metre	2015	Generally for half a year after the end of members' terms of office	Yes		
Administrative records	Legislation Associations and Clubs Badges, Emblems and Flags Campaigns and Canvassing Ceremonies and Celebrations Charity Circulars and Directives Community Services Complaints Conferences and	1981-2013	684 records/ 27.84 linear metres	2015-2016	Retained according to the General Administrative Records Disposal Schedules of GRS, generally for 2-5 years after closure of the files	No		

Category	Title	Years covered	Quantity and linear metres	Year of transfer to GRS	Retention period approved by GRS	Are they confidential documents	Reasons for non-transfer	Reasons for approving the destruction
	Seminars Corporations and Firms Emergency Planning Environmental Management Gifts and Donations Intellectual Property Management Services Office Services Official Languages Reports and Statistics Reports and Statistics - Monthly Reports and Statistics - Quarterly Transportation Visits and Tours Accommodation Accommodation – Acquisition and Disposal Accommodation – Building Management Accommodation – Fitting Out and Repairs Communication Systems – Installation and Disposal Utilities and Building Services Facilities Equipment, Supplies and Services							

Category	Title	Years covered	Quantity and linear metres	Year of transfer to GRS	Retention period approved by GRS	Are they confidential documents	Reasons for non-transfer	Reasons for approving the destruction
	Computer Equipment and Supplies Furniture and Furnishings Office Machines and Equipment Printing Security Equipment and Supplies Stationery Technical Equipment and Supplies Vehicles Finance and Accounting Accounts and Accounting Expenditure Allowances Audits Banks and Banking Budgets Expenditure Control Fees and Charges Grants and Funds Returns and Statements Salaries Appointments and Posting Awards and Honours Establishment Health and Safety Hours of Work and Overtime							

Category	Title	Years covered	Quantity and linear metres	Year of transfer to GRS	Retention period approved by GRS	Are they confidential documents	Reasons for non-transfer	Reasons for approving the destruction
	Human Resources Planning							
	Leave							
	Recreation and Welfare							
	Staff Relations							
	Staff Relations - Appeals and Applications							
	Staff Relations - Union							
	Training and Development							
	Information Technology and Computer Systems							
	Information Services							
	Information Services – Advertisements							
	Information Services – Audio-visual Production							
	Information Services – Books and Publications							
	Information Services – Press Clippings							
	Information Services – Press Conferences and Press Releases							
	Library Services							
	Information Management and Records Management							

- End -

CONTROLLING OFFICER'S REPLY

ITB073

(Question Serial No. 5429)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (1) Director of Bureau's Office, (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the expenditure on entertainment and gifts of your bureau and the departments under your purview in the past 2 years, please provide details of the following: the office of the Secretary of Department or Director of Bureau/bureau/branch/department and the year concerned; the estimated expenditure on entertainment and gifts; the actual expenditure on entertainment and gifts; the expenditure limit for entertainment (including beverages) per head; the expenditure limit for gift per guest; and the number of receptions held and total number of guests entertained.

Regarding the expenditure on entertainment and gifts of your bureau and the departments under your purview incurred on each occasion in the past year, please provide details of the following: the office of the Secretary of Department or Director of Bureau/bureau/branch/department concerned; the date of reception; the departments/organisations and titles of the guests entertained (grouped by department/organisation and indicating the number of guests); the food expenses incurred; the beverage expenses incurred; the gift expenses incurred; and the venue of the reception (department office/restaurant in government facilities/private restaurant/others (please specify)).

Please provide the estimated expenditure on entertainment and gifts for the coming year, with details of the following: the office of the Secretary of Department or Director of Bureau/bureau/branch/department concerned; the estimated expenditure on entertainment and gifts; the expenditure limit for entertainment per guest; and the expenditure limit for entertainment (sic) per guest.

Asked by: Hon YIU Chung-yim (Member Question No. 197)

Reply:

All government officers hosting entertainment should observe the same principles and act in accordance with the relevant regulations and administrative guidelines. They are required to exercise prudent judgement and economy when entertaining guest(s) for official purposes in order to avoid any public perception of extravagance. According to the prevailing general guidelines, the expenditure on the provision of official meals should not exceed \$450 per person for lunch or \$600 per person for dinner, inclusive of all expenses incurred on food and beverages consumed on the occasion, service charges and tips.

The actual expenditure on official entertainment incurred by the Innovation and Technology Bureau (ITB) and the departments under its purview in 2015-16 and 2016-17 and the estimated expenditure for 2017-18 are as follows:

Bureau/ department	Year		
	2015-16	2016-17 (as at 28 February 2017)	2017-18
	(Actual expenditure)		(Estimated expenditure)
Innovation and Technology Bureau	*\$20,000	\$80,000	\$150,000
Innovation and Technology Commission	\$320,000	\$120,000	\$250,000
Office of the Government Chief Information Officer	\$200,000	\$150,000	\$200,000

* As the ITB was established on 20 November 2015, the actual expenditure in 2015-16 only covered the expenses incurred in slightly more than 4 months' time from November 2015 to March 2016.

In line with the Government's green policy, public officers should as far as possible refrain from bestowing gifts/souvenirs to others during the conduct of official activities. According to the existing guidelines, where bestowal of gifts/souvenirs is necessary or unavoidable due to operational, protocol or other reasons, the gift/souvenir items should not be lavish or extravagant and the number should be kept to a minimum. We do not maintain separate accounts for the expenditure on the procurement of gifts and souvenirs, and the relevant breakdown figures are not available.

- End -

CONTROLLING OFFICER'S REPLY**ITB074****(Question Serial No. 5432)**

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (1) Director of Bureau's Office, (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

Please provide information regarding consultancy studies (if any) commissioned by the Innovation and Technology Bureau and the departments under its purview for the purpose of formulating and assessing policies.

Please provide information on the studies on public policy and strategic public policy for which funds were allocated over the past 2 financial years in terms of the following:

Name of Consultant; mode of award (public bidding/tender/others (please specify)); title, content and objectives of project; consultancy fee (\$); start date; progress of study (under planning/in progress/completed); follow-ups taken by the Government on the study reports and their progress (if any); if completed, have they been made public? If yes, through what channel(s)? If not, what were the reasons?

Are there any projects for which funds have been reserved for conducting internal studies this year? If yes, please provide the following information: title, content and objectives of project; start date; progress of study (under planning/in progress/completed); follow-ups taken by the Government on the study reports and their progress (if any); for the projects that are expected to be completed this year, is there any plan to make them public? If yes, through what channel(s)? If not, what are the reasons?

Are there any projects for which funds have been reserved for conducting consultancy studies this year? If yes, please provide the following information: name of consultant; mode of award (public bidding/tender/others (please specify)); title, content and objectives of project; consultancy fee (\$); start date; progress of study (under planning/in progress/completed); follow-ups taken by the Government on the study reports and their progress (if any); for the projects that are expected to be completed this year, is there any plan to make them public? If yes, through what channel(s)? If not, what are the reasons? What are the criteria for considering the award of consultancy projects to the research institutions concerned?

Asked by: Hon YIU Chung-yim (Member Question No. 198)

Reply:

The studies on public policy and strategic public policy which were funded by the Innovation and Technology Bureau and the departments under its purview in 2015-16 and 2016-17 include:

Name of Consultant	Mode of award (public bidding/ tender/ others (please specify))	Title, content and objectives of project	Consultancy fee (\$)	Start date	Progress of study (under planning/ in progress/ completed)	Follow-ups taken by the Government on the study reports and their progress (if any)	If completed, have they been made public? If yes, through what channel(s)? If not, what were the reasons?
PricewaterhouseCoopers Ltd	Tender	<p><u>Title</u></p> <p>Review on “Government Wi-Fi” programme</p> <p><u>Content and Objectives</u></p> <p>Review and propose the future direction of the “Government Wi-Fi” programme beyond 2017.</p>	1.262 million	June 2015	Completed	Having regard to the recommendation of the consultant firm, the Government is implementing the “Wi-Fi Connected City” programme to further expand the coverage of “Wi-Fi.HK” brand. The aim is to increase the number of “Wi-Fi.HK” hotspots to 34 000 in 2019.	As part of the consultancy report contains commercial information and materials to be used for tendering purpose, it will not be published.
PricewaterhouseCoopers Advisory Services Limited	Tender	<p><u>Title</u></p> <p>Study on the Development of Hong Kong as a Smart City</p> <p><u>Content</u></p> <p>To study the information technology infrastructure required for smart city development in Hong Kong and formulate digital framework and standards, and initiatives / proposals.</p> <p><u>Objective</u></p> <p>To formulate a blueprint for smart city development in Hong Kong.</p>	5 million	September 2016	In progress	---	The Administration will brief relevant Panel of the Legislative Council on the study findings.

KPMG Advisory (Hong Kong) Limited	Tender	<p><u>Title</u></p> <p>Study on Promoting the Use of Digital Certificates and Institutional Arrangements for Public Certification Authority Service</p> <p><u>Content</u></p> <p>To explore ways to promote use of digital certificates in e-commerce and e-government and review the institutional arrangements for public certification authority service, including use of mobile technologies to enhance the use of digital certificates.</p> <p><u>Objective</u></p> <p>To create a secure and reliable infrastructure for the development of e-commerce and smart city.</p>	4.117 million	December 2016	In progress	---	The Administration will brief relevant Panel of the Legislative Council on the study findings.
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Funding for conducting internal studies and consultancy studies in 2017-18 have been included in the consultancy fees of the last two studies in the above table.

We assess the consultancy proposals received in accordance with the contents of the tender document and the established procedures. The areas of assessment include the consultant's understanding of the study, relevant expertise and experiences, the proposed research methodology, work plan and timetable, and price quotations.

- End -

CONTROLLING OFFICER'S REPLY

ITB075

(Question Serial No. 5433)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (1) Director of Bureau's Office

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

Please give details of the duty visits of the Secretary and Under Secretary in the past 2 years by setting out certain information of the trips, including the number of visits, purposes and destination of visits, number of officers in entourage, air ticket expenses, local transportation expenses, hotel expenses, subsistence allowance and other expenses, banquet and entertainment expenses, gift expenses as well as the total expenses.

If the above information covers trips to Mainland China, please give details of the meetings with, visits to or exchanges with the relevant Mainland authorities by the Bureau and departments under its purview in the past year (including the total number of such trips) by setting out, by date of departure, certain information of each trip, including (1) the purpose and destination of the trip, number and post titles of Hong Kong officials in entourage, and post titles of the Mainland officials met; (2) whether announcement was made prior to the trip and, if not, the reasons for keeping confidence; (3) whether files of the minutes of the meetings have been kept and, if not, the reasons for that; and (4) whether agreements were reached and, if yes, the details and progress of their implementation.

Asked by: Hon YIU Chung-yim (Member Question No. 199)

Reply:

Details of the duty visits made by the Secretary and Under Secretary since the establishment of the Innovation and Technology Bureau on 20 November 2015 and up to 28 February 2017 are as follows:

Secretary for Innovation and Technology

Date of visit (no. of visits)	Place of visit and duration	Purpose of visit	Size of entourage	Passage expenses (HK\$) (A)	Hotel expenses (HK\$) (B)	Other expenses^{Note} (HK\$) (C)	Total expenditure (HK\$) (A)+(B)+(C)
2015-16 (4 visits)	Wuzhen and Hangzhou in Zhejiang Province, Beijing and Hainan	To attend meetings and events, and conduct exchanges (e.g. attending the World Internet Conference, and meeting with government officials and local bodies)	0-2 for each visit	About 51,000	About 24,000	About 16,000	About 91,000
2016-17 (as at 28 February 2017) (12 visits)	Huizhou, Shenzhen, Guiyang, Guangzhou, Nanchang, Wuzhen in Zhejiang Province, Beijing, Vienna in Austria, Toulouse and Paris in France, Frankfurt, Bayreuth, Amberg and Munich in Germany, and San Francisco in the United States	To attend meetings and events, and conduct exchanges (e.g. attending the World Internet Conference and technology seminars, and meeting with government officials, local bodies, and personnel of innovation and technology organisations)	0-2 for each visit	About 446,000	About 84,000	About 85,000	About 615,000

Note: Other expenses included subsistence allowance and entertainment expenses. During the visits stated above, the Bureau's entertainment activities complied with the relevant requirements on expenses, and no expenses on gifts were incurred.

Under Secretary for Innovation and Technology (the post was vacant between 20 November 2015 and 29 February 2016)

Date of visit (no. of visits)	Place of visit and duration	Purpose of visit	Size of entourage	Passage expenses (HK\$) (A)	Hotel expenses (HK\$) (B)	Other expenses^{Note} (HK\$) (C)	Total expenditure (HK\$) (A)+(B)+(C)
2015-16	Not applicable	Not applicable	Not applicable	0	0	0	0
2016-17 (as at 28 February 2017) (5 visits)	Beijing, Shenzhen and Guangzhou	To attend meetings and events, and conduct exchanges (e.g. meeting with government officials, local bodies, and personnel of innovation and technology organisations)	No entourage	About 31,000	About 2,000	About 15,000	About 48,000

Note: Other expenses included subsistence allowance. During the visits stated above, no expenses on entertainment or gifts were incurred by the Bureau.

Information on duty visits to the Mainland conducted by the Innovation and Technology Bureau and departments under its purview in 2016-17 (as at 28 February 2017) is as follows:

Department	Number of visits	Place of visit	Size of entourage	Purpose of visit
Innovation and Technology Bureau	13	Huizhou, Shenzhen, Guiyang, Guangzhou, Nanchang, Wuzhen in Zhejiang Province, and Beijing	0-2 for each visit	To attend meetings and events, and conduct exchanges (e.g. attending the World Internet Conference and technology seminars, and meeting with government officials, local bodies, and personnel of innovation and technology organisations)
Innovation and Technology Commission	53	Beijing, Shanghai, Shenzhen, Guangzhou, Guangdong, Xining, Guiyang and Fuzhou	1-6 for each visit	To attend working meetings, seminars or forums; conduct assessment by staff of the Hong Kong Accreditation Service; inspect the Innovation and Technology Fund projects; and participate in exchanges, visits or exhibitions
Office of the Government Chief Information Officer	24	Beijing, Chengdu, Ningbo, Fuzhou, Shenzhen, Guangzhou, Guizhou, Wuhan, Hangzhou, Wuzhen in Zhejiang Province, and Dongguan	1-6 for each visit	To attend meetings, events and conduct exchanges (e.g. attending the World Internet Conference, meetings of the Economic and Information Commission of Guangdong Province and its special panels, and other thematic technical meetings, forums, expositions, etc. held in the Mainland)

Prior formal approval must be obtained for officers of this Bureau and departments under its purview to take part in any duty visit (including attending working meetings or performing official activities), which must be conducted in accordance with relevant government regulations and procedures. Details of the visits will be duly recorded. Depending on the circumstances and situations, we shall decide whether and how the itineraries of the visits and the agreements reached would be announced.

- End -

CONTROLLING OFFICER'S REPLY

ITB076

(Question Serial No. 5435)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (1) Director of Bureau's Office, (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

In regard to the growing cross-boundary co-operation between Hong Kong and the Mainland in recent years, please provide relevant information on Hong Kong/Mainland cross-boundary projects or programmes in which your offices/secretaries of departments/bureau and the departments under your purview have been involved:

Please provide information on the Hong Kong/Mainland cross-boundary projects or programmes for the past 2 years, including: (1) the title, details and objective of the project/programme, and whether it is related to the Framework Agreement on Hong Kong/Guangdong Co-operation or the Belt and Road Initiative; the expenditure, Mainland official(s) and department(s)/organisation(s) involved; (2) Has any agreement been signed and made public? If not, what are the reasons? Have any minutes of the meetings been taken? If so, have they been made public? What is the progress (percentage completed, commencement date, target completion date)? Have the details, objectives, amount involved or impact on the public, society, culture and ecology been released to the public? If yes, through what channel(s) and what were the manpower and expenditure involved? If not, what were the reasons? Has any public consultation on the cross-boundary project been conducted in Hong Kong? What are the details of the legislative amendments or policy changes involved in the programme?

Apart from the projects or programmes mentioned above, are there any other modes of Hong Kong/Mainland cross-boundary co-operation involving your bureau and the departments under your purview for the past two years? If yes, in what modes are they taken forward? How much manpower and financial resources are involved?

Asked by: Hon YIU Chung-yim (Member Question No. 200)

Reply:

The Hong Kong-Mainland cross-boundary projects participated by the Innovation and Technology Bureau (“ITB”) and the departments under its purview in 2015-16 and 2016-17 are tabulated as follows:

Department	Title of project/ programme	Details, objectives and whether it is related to the Framework Agreement on Hong Kong/ Guangdong Co-operation (“Framework Agreement”) or the Belt and Road Initiative	Expenditure involved	Mainland official(s) and department(s)/ organisation(s) involved	Has any agreement been signed and made public? If not, what are the reasons?	Have any minutes of the meetings been taken? If so, have they been made public?	Progress (% completed, commencement date, target completion date)	Have the details, objectives, amount involved or impact on the public, society, culture and ecology been released to the public? If yes, through what channel(s) and what were the manpower and expenditure involved? If not, what were the reasons?	Has any public consultation on the cross-boundary project been conducted in Hong Kong?	Details of the legislative amendments or policy changes involved in the programme
Innovation and Technology Commission (“ITC”)	The Guangdong- Hong Kong Technology Co-operation Funding Scheme (“TCFS”)	It aims at providing research and development (“R&D”) funding for Hong Kong- Guangzhou and Hong Kong-Shenzhen technological projects; enhancing collaboration among universities, research institutions and industries in both	No additional expenditure is involved.	Guangdong Provincial Department of Science and Technology (“GDSTD”), and the Science and Technology Innovation Commission of Shenzhen Municipality	No agreement has been signed.	Information of approved projects is available at the website of the Innovation and Technology Fund (“ITF”).	A total of 26 TCFS projects were approved from 2015-16 to 2016-17, with ITF funding of about \$58 million.	ITC announces the TCFS application arrangements every year. The amount of funding for ITC-approved projects are uploaded to the ITC website.	It was mentioned in the Policy Agenda of 2004 Policy Address of the Chief Executive that the Government would work with GDSTD to further the co-operation on innovation and technology under the newly established Expert Group on	Not applicable

		places; and upgrading the technology level of industries in the Greater Pearl River Delta region. The TCFS is in line with the objective of enhancing regional competitiveness under the Framework Agreement.							Co-operation in Innovation and Technology under the Hong Kong-Guangdong Joint Co-operation Conference. TCFS was an initiative launched by the Expert Group in 2004.	
Office of the Government Chief Information Officer (“OGCIO”)	Mutual Recognition of Electronic Signature Certificates Issued by Hong Kong and Guangdong	This programme is an item under the Framework Agreement to enhance the security of cross-boundary e-commerce and other electronic services between the two sides.	No additional expenditure is involved.	Ministry of Industry and Information Technology (“MIIT”) and Economic and Information Commission of Guangdong Province (“GDEI”)	MIIT, GDEI and OGCIO signed the “Suggestions on the Framework for the Mutual Recognition of Electronic Signature Certificates” in 2009. The document is open for public information.	The “Arrangement for Mutual Recognition of Electronic Signature Certificates Issued by Hong Kong and Guangdong”, and the latest “Trust List of Certificate Types with Mutual Recognition Status” are available on OGCIO’s website.	Ongoing	Details of the standing arrangement for mutual recognition of electronic signature certificates were announced in August 2012 via press release, website and press conference. For the press conference, the manpower involved was absorbed by internal resources. The expenditure incurred was HK\$6,000.	A study on the framework of the mutual recognition scheme was completed in 2012. The “Advisory Committee on Code of Practice for Recognised Certification Authorities” and the industry were consulted on the findings of the study. A summary of the study was published on OGCIO’s website.	Not applicable

OGCIO	Co-operation Agreement on Enhancing Cross-Boundary E-commerce (“Co-operation Agreement”)	It aims at promoting the development of cross-boundary e-commerce and strengthening co-operation of the e-commerce industry between the two sides.	No additional expenditure is involved.	Guangzhou Municipal Commission of Commerce (GZCC)	The Co-operation Agreement was signed with GZCC in September 2015. The document is open for public information.	Details of the Co-operation Agreement have been announced via press release.	Ongoing	Details of the Co-operation Agreement have been announced via press release. The relevant task was handled by existing manpower and resources. No additional expenditure is incurred.	A briefing on the Co-operation Agreement was provided to the relevant business associations and organisations in early 2016.	Not applicable
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Apart from the above programmes, OGCIO and GDEI have established the “Hong Kong/Guangdong Information and Communications Technology Expert Committee” (“Expert Committee”) in early 2016 to promote technology development and application of cloud computing, big data, Internet of Things and smart city, and formulate standards and guidelines in technical areas applicable to both places. The Expert Committee facilitates the industry players of both places to participate in the formulation of technical standards in international standards organisations, as well as explores collaboration opportunities for development of the industry. Manpower involved was absorbed by existing resources. There was no extra expenditure involved.

ITC promotes the collaboration on Partner State Key Laboratories (“PSKLs”), Hong Kong Branches of Chinese National Engineering Research Centres (“CNERCs”), and National High-tech Industrialisation Partner Bases etc., with the Ministry of Science and Technology through the Mainland/Hong Kong Science and Technology Co-operation Committee. ITC also encourages Hong Kong’s research institutions, such as universities and R&D centres, as well as innovation and technology enterprises, to enhance co-operation with the Mainland in different areas of scientific research. The above duties are part of the work under Programme (4) “Planning for Innovation and Technology Development” of ITC. The actual expenditure for 2015-16 and the revised estimated expenditure for 2016-17 under Programme (4) are \$36.4 million and \$46.5 million respectively, mainly for salaries and general departmental expenses. ITC does not have the breakdown on the expenditures for the work above. Furthermore, an annual funding of up to \$5 million is provided to each of the 16 PSKLs and the 6 Hong Kong Branches of CNERCs under the ITF. The expenditures involved for 2015-16 and 2016-17 are \$85 million and \$97 million respectively.

On 3 January 2017, the Government of the Hong Kong Special Administrative Region and the Shenzhen Municipal People’s Government signed the “Memorandum of Understanding on Jointly Developing the Lok Ma Chau Loop by Hong Kong and Shenzhen”, agreeing to jointly develop the Lok Ma Chau Loop into “Hong Kong-Shenzhen Innovation and Technology Park”, setting up a key base for scientific

research, as well as relevant higher education, cultural and creative and other complementary facilities, to attract top enterprises, scientific research institutions and tertiary institutions from Hong Kong, Shenzhen, the Mainland and overseas. Meanwhile, the “Joint Task Force on the Development of the Hong Kong-Shenzhen Innovation and Technology Park in the Loop”, comprising representatives of Hong Kong and Shenzhen Governments, held its first meeting on 9 February 2017 in Shenzhen to discuss the relevant work arrangements. The revised estimated expenditure of ITB for 2016-17 is \$39.3 million. Coordination work for the Park will be coped with by existing manpower and resources. A breakdown on the expenditure is not available.

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CONTROLLING OFFICER'S REPLY

ITB077

(Question Serial No. 5439)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (1) Director of Bureau's Office, (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

In regard to the growing cross-boundary co-operation between Hong Kong and the Mainland in recent years, please provide relevant information on Hong Kong/Mainland cross-boundary projects or programmes in which your offices/secretaries of departments/bureau and the departments under your purview have been involved:

Have provisions been earmarked for the Hong Kong/Mainland cross-boundary projects or programmes for this year? If yes, for each of the Hong Kong/Mainland cross-boundary projects or programmes for this year, please provide information, including: (1) the title, details and objective of the project/programme, and whether it is related to the Framework Agreement on Hong Kong/Guangdong Co-operation or the Belt and Road Initiative; the expenditure, Mainland official(s) and department(s)/organisation(s) involved; (2) Has any agreement been signed and made public? If not, what are the reasons? Have any minutes of the meetings been taken? If so, have they been made public? What is the progress (percentage completed, commencement date, target completion date)? Have the details, objectives, amount involved or impact on the public, society, culture and ecology been released to the public? If yes, through what channel(s) and what were the manpower and expenditure involved? If not, what were the reasons? Has any public consultation on the cross-boundary project been conducted in Hong Kong? What are the details of the legislative amendments or policy changes involved in the programme?

Apart from the projects or programmes mentioned above, are there any other modes of Hong Kong/Mainland cross-boundary co-operation involving your bureau and the departments under your purview this year? If yes, in what modes are they taken forward? How much financial and manpower resources have been earmarked in the Estimates this year?

Asked by: Hon YIU Chung-yim (Member Question No. 201)

Reply:

The Hong Kong-Mainland cross-boundary projects participated by the Innovation and Technology Bureau (“ITB”) and the departments under its purview in 2017-18 are tabulated as follows:

Department	Title of project/ programme	Details, objectives and whether it is related to the Framework Agreement on Hong Kong/ Guangdong Co-operation (Framework Agreement) or the Belt and Road Initiative	Expenditure involved	Mainland official(s) and department(s)/ organisation(s) involved	Has any agreement been signed and made public? If not, what are the reasons?	Have any minutes of the meetings been taken? If so, have they been made public?	Progress (% completed, commencement date, target completion date)	Have the details, objectives, amount involved or impact on the public, society, culture and ecology been released to the public? If yes, through what channel(s) and what were the manpower and expenditure involved? If not, what were the reasons?	Has any public consultation on the cross-boundary project been conducted in Hong Kong?	Details of the legislative amendments or policy changes involved in the programme
Innovation and Technology Commission ("ITC")	The Guangdong- Hong Kong Technology Co-operation Funding Scheme ("TCFS")	It aims at providing research and development ("R&D") funding for Hong Kong- Guangzhou and Hong Kong- Shenzhen technological projects; enhancing collaboration among universities, research institutions and industries in both places; and upgrading the technology level	No additional expenditure is involved.	Guangdong Provincial Department of Science and Technology ("GDSTD"), and the Science and Technology Innovation Commission of Shenzhen Municipality	No agreement has been signed.	Information of approved projects is available at the website of the Innovation and Technology Fund ("ITF").	A total of 15 TCFS projects are expected to be approved in 2017-18 with an estimated ITFunding of about \$46 million.	ITC plans to announce the TCFS application arrangements this year in the second half of 2017.	It was mentioned in the Policy Agenda of 2004 Policy Address of the Chief Executive that the Government would work with GDSTD to further the co-operation on innovation and technology under the newly established Expert Group on Co-operation in Innovation and Technology	Not applicable

		of industries in the Greater Pearl River Delta region. The TCFS is in line with the objective of enhancing regional competitiveness under the Framework Agreement.							under the Hong Kong-Guangdong Joint Co-operation Conference. TCFS was an initiative launched by the Expert Group in 2004.	
Office of the Government Chief Information Officer (“OGCIO”)	Mutual Recognition of Electronic Signature Certificates Issued by Hong Kong and Guangdong	This programme is an item under the Framework Agreement to enhance the security of cross-boundary e-commerce and other electronic services between the two sides.	No additional expenditure is involved.	Ministry of Industry and Information Technology (“MIIT”) and Economic and Information Commission of Guangdong Province (“GDEI”)	MIIT, GDEI and OGCIO signed the “Suggestions on the Framework for the Mutual Recognition of Electronic Signature Certificates” in 2009. The document is open for public information.	The “Arrangement for Mutual Recognition of Electronic Signature Certificates Issued by Hong Kong and Guangdong”, and the latest “Trust List of Certificate Types with Mutual Recognition Status” are available on OGCIO’s website.	Ongoing	Details of the standing arrangement for mutual recognition of electronic signature certificates were announced in August 2012 via press release, website and press conference. For the press conference, the manpower involved was absorbed by internal resources. The expenditure incurred was HK\$6,000.	A study on the framework of the mutual recognition scheme was completed in 2012. The “Advisory Committee on Code of Practice for Recognised Certification Authorities” and the industry were consulted on the findings of the study. A summary of the study was published on OGCIO’s website.	Not applicable

OGCIO	Co-operation Agreement on Enhancing Cross-Boundary E-commerce (“Co-operation Agreement”)	It aims at promoting the development of cross-boundary e-commerce and strengthening co-operation of the e-commerce industry between the two sides.	No additional expenditure is involved.	Guangzhou Municipal Commission of Commerce (GZCC)	The Co-operation Agreement was signed with GZCC in September 2015. The document is open for public information.	Details of the Co-operation Agreement have been announced via press release.	Ongoing	Details of the Co-operation Agreement have been announced via press release. The relevant task was handled by existing manpower and resources. No additional expenditure is incurred.	A briefing on the Co-operation Agreement was provided to the relevant business associations and organisations in early 2016.	Not applicable
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Apart from the above programmes, OGCIO and GDEI have established the “Hong Kong/Guangdong Information and Communications Technology Expert Committee” (“Expert Committee”) in early 2016 to promote technology development and application of cloud computing, big data, Internet of Things and smart city, and formulate standards and guidelines in technical areas applicable to both places. The Expert Committee facilitates the industry players of both places to participate in the formulation of technical standards in international standards organisations, as well as explores collaboration opportunities for development of the industry. Manpower involved was absorbed by existing resources. There was no extra expenditure involved.

ITC also promotes the collaboration on Partner State Key Laboratories (“PSKLs”), Hong Kong Branches of Chinese National Engineering Research Centres (“CNERCs”), and National High-tech Industrialisation Partner Bases etc., with the Ministry of Science and Technology through the Mainland/Hong Kong Science and Technology Co-operation Committee. ITC also encourages Hong Kong’s research institutions, such as universities and R&D centres, as well as innovation and technology enterprises, to enhance co-operation with the Mainland in different areas of scientific research. The above duties are part of the work under Programme (4) “Planning for Innovation and Technology Development” of ITC. The estimated expenditure under Programme (4) for 2017-18 is \$55.8 million, mainly for salaries and general departmental expenses. ITC does not have the breakdown on the expenditure for the work above. Furthermore, an annual funding of up to \$5 million is provided to each of the 16 PSKLs and the 6 Hong Kong Branches of CNERCs under the ITF. The estimated expenditure involved for 2017-18 is \$110 million.

On 3 January 2017, the Government of the Hong Kong Special Administrative Region and the Shenzhen Municipal People’s Government signed the “Memorandum of Understanding on Jointly Developing the Lok Ma Chau Loop by Hong Kong and Shenzhen”, agreeing to jointly develop the Lok Ma Chau Loop into “Hong Kong-Shenzhen Innovation and Technology Park”, setting up a key base for scientific research, as well as relevant higher education, cultural and creative and other complementary facilities, to attract top enterprises, scientific

research institutions and tertiary institutions from Hong Kong, Shenzhen, the Mainland and overseas. Meanwhile, the “Joint Task Force on the Development of the Hong Kong-Shenzhen Innovation and Technology Park in the Loop”, comprising representatives of Hong Kong and Shenzhen Governments, held its first meeting on 9 February 2017 in Shenzhen to discuss the relevant work arrangements. The overall estimated expenditure of ITB for 2017-18 is \$178.2 million. Coordination work for the Park in the Loop will be coped with by existing manpower and resources. A breakdown on the expenditure is not available.

- End -

CONTROLLING OFFICER'S REPLY

ITB078

(Question Serial No. 2896)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

Last year, the Government announced that \$500 million has been earmarked to set up an Innovation and Technology Fund for Better Living (“the Fund”). Please advise on the latest updates and operation details of the Fund, including the expected number of projects to be financed, the criteria for determining the level of funding and the composition of the assessment panel.

Asked by: Hon YUNG Hoi-yan (Member Question No. 37)

Reply:

The Government will launch the \$500 million Innovation and Technology Fund for Better Living (“FBL”) by the middle of this year to subsidise innovation and technology (“I&T”) projects which will bring more convenient, more comfortable and safer living to the public, or those addressing the needs of specific community groups. The Innovation and Technology Bureau has set up a Secretariat to prepare for the launch of the FBL. The FBL will be open for applications from mid-2017 and we hope that the first batch of I&T projects can be rolled out in 2018 to benefit citizens.

Eligible applicants include: subvented non-governmental and non-profit making organisations, public bodies, trade associations and professional bodies. A successful project will receive a maximum grant equivalent to 90% of the total cost of the project or \$5 million, whichever is the less. The maximum funding period of the project is three years, including a 12-month development period followed by a two-year running period.

It is expected that the \$500 million Fund can operate for 5 years. The number of projects approved each year will depend on the number of applications and the level of grants.

The assessment criteria of the FBL include: benefits brought to the general public or specific community groups by the project, I&T content, feasibility and sustainability, cost-effectiveness, and the experience and management capability of the applicant. We will set up an Assessment Panel comprising members from the technology field, the academia and the industry to assess eligible applications. Membership will be announced later.

- End -

CONTROLLING OFFICER'S REPLY

ITB079

(Question Serial No. 2898)

Head: (135) Government Secretariat: Innovation and Technology Bureau

Subhead (No. & title):

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Cheuk Wing Hing)

Director of Bureau: Secretary for Innovation and Technology

Question:

The Government will promote collaboration with Mainland and overseas science and research institutions. In this connection, please advise this Committee:

1. of the details of projects undertaken by Hong Kong in collaboration with Mainland and overseas science and research institutions in 2016-17, the commencement dates of the projects, the names of organisations, collaborating parties, project contents and projected targets or outcomes; and
2. the expected number of Mainland and overseas science and research institutions which will collaborate with Hong Kong in 2017-18, and details of the projects concerned including manpower and expenditure involved.

Asked by: Hon YUNG Hoi-yan (Member Question No. 33)

Reply:

The required information is provided below:

- (1) The Government of the Hong Kong Special Administrative Region ("HKSAR") has been promoting collaboration between local science and research institutions and leading global science and research institutions. With regard to the approved projects under the Innovation and Technology Fund ("ITF") in 2016-17, some recipient organisations stated in their applications that they would collaborate with Mainland and overseas science and research institutions. The reference numbers of these projects are set out at Annex, with details of the projects available on the ITF website (http://www.itf.gov.hk/1-eng/prj_search_index.asp) for perusal.
- (2) The Government will continue to promote collaboration between local science and research institutions and leading global science and research institutions. However, we are unable to provide the estimated number of projects to be undertaken in

collaboration with Mainland and overseas science and research institutions in 2017-18. The Innovation and Technology Bureau will carry out the relevant work jointly with the departments under its purview with existing manpower and resources. A breakdown of the expenditure is not available.

ITF projects approved in 2016-17
involving collaboration with Mainland and overseas science and research institutions

Item No.	Project Reference
1	ART/221CP
2	ITP/094/15AP
3	ITP/111/15TP
4	ITS/195/15FP
5	ITS/205/15FP
6	ITS/208/15FP
7	ITS/252/15
8	ITS/258/15FX
9	ITS/306/15FP
10	ITS/382/15
11	ITS/388/15
12	ITP/008/16NI
13	ITP/015/16AI
14	ITP/023/16TI
15	ITP/039/16TP
16	ITP/052/16TP
17	ITP/054/16TP
18	ITP/067/16TP
19	ITP/077/16TP
20	ITP/079/16LP
21	ITP/090/16TP
22	ITS/015/16FX
23	ITS/020/16FP
24	ITS/057/16

25	ITS/211/16FP
26	ITS/212/16FP
27	ITS/224/16
28	ITS/273/16FP
29	ITS/373/16FP
30	ITS/410/16FP
31	ITP/005/17TI

- End -

CONTROLLING OFFICER'S REPLY

ITB080

(Question Serial No. 2836)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (5) Infrastructural Support

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

As stated in the Policy Address, the Government has set aside sizable sites, including one of over 50 hectares near the Liantang/Heung Yuen Wai Boundary Control Point, for use by the innovation and technology (I&T) sector and other emerging or traditional industries. The Government plans to provide funding of \$8.2 billion for the Hong Kong Science and Technology Parks Corporation to build an Advanced Manufacturing Centre and a Data Technology Hub in Tseung Kwan O Industrial Estate. The Science Park expansion is underway for completion in 3 years, which will further increase the park's gross floor area to some 400 000 square metres. The Hong Kong Special Administrative Region Government and the Shenzhen Municipal Government earlier signed a memorandum of understanding on the development of a Hong Kong/Shenzhen Innovation and Technology Park in the Lok Ma Chau Loop in Hong Kong. In this connection, please inform this Committee of the following:

- (1) Please list in tabular form the details of the above projects, including the expected construction and completion time, land area, construction fees and the estimated number of jobs to be created upon completion.
- (2) Please list in tabular form the locations, area involved and expected direction of development of the new sites that have been planned for I&T purposes at present.
- (3) Will the Government's setting aside of a large amount of land for I&T purposes fail to tie in with the development pace of the industry, resulting in a wastage owing to excessive reserve of sizable sites for single use in Hong Kong?

Asked by: Hon CHAN Chi-chuen (Member Question No. 19)

Reply:

The requested information is provided below:

Project	Expected commencement of construction	Expected completion time	Land area	Estimated development costs	Estimated number of jobs to be created
Stage 1 of the Hong Kong Science Park Expansion Programme	Commenced in 2016	2020	1.18 hectares (ha)	\$4.428 billion	Around 3 440 jobs
Data Technology Hub	2017	2020	0.54 ha	\$1.615 billion	Around 900 jobs
Advanced Manufacturing Centre	2018	2021-22	2.71 ha	\$6.633 billion	Around 2 500 jobs
Hong Kong/Shenzhen Innovation and Technology Park	Subject to satisfactory progress of the Advanced Works and the Main Works Package 1, it is expected that the first piece of formed land will be handed over to the Hong Kong Science and Technology Parks Corporation (HKSTPC) for superstructure development in 2021 the earliest.		87 ha	A more accurate estimate will be available upon completion of the design work	According to preliminary assessment, around 50 000 jobs will be created upon completion of the entire park
Near Liantang/Heung Yuen Wai	HKSTPC has commissioned a consultant to explore the feasibility of developing industrial estates on the site.		Around 56 ha	No estimate is available for the moment	No estimate is available for the moment

(2)

The Government actively identifies land to dovetail with the development of innovation and technology (I&T) to which great importance is attached. At present, when planning new development areas (NDAs), the Government will consider the overall development needs of the NDAs and Hong Kong in a comprehensive manner. In addition, the Government will continue to set aside sites in the NDA projects for the development of I&T and announce the relevant details in due course.

(3)

When planning the use of the land, the Government will consider the overall development needs of Hong Kong in a comprehensive manner and fully consult various stakeholders to meet the different development needs. When setting aside land for I&T purposes, the Government will take into account all relevant factors and the opinions of the stakeholders, with a view to optimising the effectiveness of the land.

- End -

CONTROLLING OFFICER'S REPLY

ITB081

(Question Serial No. 4155)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (5) Infrastructural Support

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

It is mentioned in the Policy Address that the Government will support the construction by the Hong Kong Science and Technology Parks Corporation of an InnoCell adjacent to the Science Park. InnoCell will provide residential units with flexible design. In this connection, please list in tabular form the details of the above project and the manpower and expenditure involved. On completion of the project, what are the application criteria for admission to the InnoCell?

Asked by: Hon CHAN Chi-chuen (Member Question No. 114)

Reply:

The Hong Kong Science and Technology Parks Corporation (HKSTPC) is in the process of drawing up the planning, design and development cost estimate as well as a timetable for the development of the InnoCell. Related information will be announced in due course. In addition, HKSTPC is making planning application for the InnoCell under the Town Planning Ordinance.

The Government will discuss the relevant financial arrangements with HKSTPC and consider providing it with appropriate financial support. We will apply for funding from the Legislative Council when concrete proposals are available.

The main targets of the InnoCell are overseas employees or visitors of incubatees/tenants and partner companies admitted to the Hong Kong Science Park. HKSTPC will set up an assessment panel to work out the application criteria and conduct the vetting process.

- End -

CONTROLLING OFFICER'S REPLY

ITB082

(Question Serial No. 0101)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (3) Promotion of Technological Entrepreneurship

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

The estimated expenditure under Programme (3) for 2017-18 is \$2.8 million higher than the revised estimate for 2016-17, representing an increase of 14.2%. Please inform this Committee of:

- 1) the reasons for the increase of the expenditure, which is mainly for provision for salary and departmental expenses; and
- 2) the breakdown of expenditure for launching and administering the Innovation and Technology Venture Fund.

Asked by: Hon CHAN Chun-ying (Member Question No. 3)

Reply:

The requested information is provided below:

- (1) The aim of Programme (3) is to promote technological entrepreneurship in Hong Kong and provide support to technology-based entrepreneurial activities and technology research and development in the private sector. Major work includes:
 - (a) administering the Enterprise Support Scheme;
 - (b) administering the Technology Start-up Support Scheme for Universities;
 - (c) launching and administering the Innovation and Technology Venture Fund (ITVF); and
 - (d) monitoring the residual work relating to the Applied Research Fund, etc.

The estimate for 2017-18 is 14.2% (or \$2.8 million) higher than the revised estimate for 2016-17. This is mainly due to:

- (a) increased salary expenses arising from the full-year salary payment for 7 civil service posts created in the second half of 2016-17; and

- (b) increased expenses on salary for non-civil service contract staff.
- (2) Launching and administering the ITVF is one of the work activities under Programme (3) “Promotion of Technological Entrepreneurship”. We do not have the required breakdown of the departmental expenses and salaries. The estimated expenditure under Programme (3) for 2017-18 is \$22.5 million, of which \$12.4 million (55.1%) is for salary expenses and \$10.1 million (44.9%) is for departmental expenses.

- End -

CONTROLLING OFFICER'S REPLY

ITB083

(Question Serial No. 0121)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (1) Support for Research and Development

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

The estimated expenditure for Programme (1) for 2017-18 is \$3.2 million higher than the revised estimate for 2016-17, representing an increase of 6.1%. Please inform this Committee of the following:

- 1) What are the reasons for the increase of the expenditure, which is mainly for provision for salary and departmental expenses?
- 2) The matters requiring special attention in 2017-18 include administering the Research and Development Cash Rebate Scheme to reinforce the research culture among companies. Would the Government please set out the details and the amounts involved for the cases approved since the launch of the Scheme?

Asked by: Hon CHAN Chun-ying (Member Question No. 15)

Reply:

The requested information is provided below:

- 1) The aim of Programme (1) is to promote and support applied research and development (R&D) activities which can contribute to innovation and technology (I&T) upgrading in industry. Major work includes:
 - (a) administering the various funding programmes, including the Midstream Research Programme for Universities, and monitoring progress of the funded projects;
 - (b) supporting the activities of the R&D centres with particular emphasis on technology transfer of funded projects; and
 - (c) administering the R&D Cash Rebate Scheme to reinforce the research culture among private companies and encourage them to establish stronger partnership with designated local public research institutions.

The provision under this Programme is mainly for salary and departmental expenses.

The estimate for 2017-18 is 6.1% (or \$3.2 million) higher than the revised estimate for 2016-17. This is mainly due to:

- (a) increased salary expenses arising from the full-year salary payment for 8 civil service posts created in the second half of 2016-17; and
- (b) increased departmental expenses on enhancing the efforts in promoting I&T.

- 2) Since the launch of the R&D Cash Rebate Scheme in 2010 to end-February 2017, over 1 550 applications were approved, involving a rebate amount of about \$234 million. The projects covered applied R&D in various technology areas such as manufacturing technology, information technology, electrical and electronics, etc. As the applications involved commercial information of private companies, it is not appropriate for us to make public the details.

- End -

CONTROLLING OFFICER'S REPLY

ITB084

(Question Serial No. 0146)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (4) Planning for Innovation and Technology Development

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

The estimated expenditure under Programme (4) for 2017-18 is \$9.3 million higher than the revised estimate for 2016-17, representing an increase of 20%. Please inform this Committee of the following:

- 1) What are the details of the 14 posts to be increased?
- 2) The work of the Innovation and Technology Commission in the coming year includes promoting innovation and technology culture to the general public and nurturing more young innovative talents. What are the details and the expenditure involved?

Asked by: Hon CHAN Chun-ying (Member Question No. 29)

Reply:

The requested information is provided below:

- 1) To ensure the continued effective operation of various funding programmes, the Innovation and Technology Commission (ITC) plans to create 14 civil service posts in 2017-18, including 4 Assistant Trade Officer Is, 2 Assistant Trade Officer IIs, 1 Clerical Officer, 6 Assistant Clerical Officers and 1 Workman II, to gradually replace those non-civil service staff whose contracts are going to expire. The main duty of the posts is to handle the work of various new funding programmes under the Innovation and Technology Fund (ITF).
- 2) To enhance public awareness and understanding of the importance of innovation and technology (I&T), ITC has been collaborating with the Hong Kong Science and Technology Parks Corporation, youth groups, social service agencies, the academic and business sectors, relevant government departments, etc. to organise promotional events including competitions, talks, scholarship award schemes, seminars, etc., and

supporting various bodies through the General Support Programme under the ITF to organise events which help foster an I&T culture.

In 2017-18, ITC will continue to organise and support various promotional and educational activities to promote an I&T culture among the public and nurture more young innovative talents in Hong Kong. Examples of the major initiatives or activities are as follows:

- organising the InnoTech Month, including the 9-day InnoCarnival;
- supporting the Hong Kong Student Science Project Competition;
- supporting the Innovation and Technology Scholarship Award Scheme; and
- supporting the Joint School Science Exhibition.

The promotion of I&T in Hong Kong is part of the major work under Programme (4) “Planning for Innovation and Technology Development”. The estimated expenditure under Programme (4) for 2017-18 is \$55.8 million, of which \$24.6 million is for salary expenses and \$31.2 million is for departmental expenses. We do not have a breakdown of expenditure on the promotional work.

- End -

CONTROLLING OFFICER'S REPLY

ITB085

(Question Serial No. 0983)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (4) Planning for Innovation and Technology Development

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

What is the total number of small and medium enterprises subsidised by the Technology Voucher Programme (TVP) since its launch in November 2016 and the expenditure involved? Does the Government consider the progress satisfactory? Will the effectiveness of the TVP be reviewed in the future?

Asked by: Hon CHAN Han-pan (Member Question No. 88)

Reply:

Since its launch, the Technology Voucher Programme (TVP) has received an encouraging response from small and medium enterprises. As at 31 January 2017, the Innovation and Technology Commission (ITC) received a total of 136 applications. Of these, 23 were assessed by the TVP Committee (the Committee), with 21 of them supported by the Committee for funding, involving a total funding of about \$2.77 million. In addition, 4 applications were withdrawn by the applicant enterprises; 86 applications could not be processed and had to be returned to the applicant enterprises, mainly because the applicants had not submitted all the supporting documents required; 18 applications were still awaiting supplementary information or clarifications about the project details from the applicant enterprises. The remaining 5 applications are more complicated and would be submitted to the Committee for assessment.

ITC will closely monitor the implementation of the TVP and will review its effectiveness and *modus operandi* with the Committee 2 years after the launch of the TVP, or when we foresee full commitment of \$500 million, whichever is the earlier.

- End -

CONTROLLING OFFICER'S REPLY

ITB086

(Question Serial No. 0496)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (4) Planning for Innovation and Technology Development

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

The provision under the Programme “Planning for Innovation and Technology Development” of the Innovation and Technology Commission is \$9.3 million higher than the revised estimate, mainly due to increased provision for salary and general departmental expenses as well as an increase of 14 posts. Will the Government inform this Committee of:

- a) the percentage of salary and departmental expenses in the overall estimated provision; and
- b) the establishment after the increase of posts?

Asked by: Hon CHAN Kin-por (Member Question No. 25)

Reply:

The requested information is provided below:

- (a) The estimated expenditure under Programme (4) for 2017-18 is \$55.8 million, of which \$24.6 million (44.1%) is for salary expenses and \$31.2 million (55.9%) is for departmental expenses.
- (b) After the increase of posts, 73 officers will be involved under this Programme, of which 23 will also be responsible for duties under other Programmes.

- End -

CONTROLLING OFFICER'S REPLY

ITB087

(Question Serial No. 6182)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (5) Infrastructural Support

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

It was mentioned by the Government in paragraph 76 of the Policy Address that one of the focus areas of innovation and technology is “healthy ageing”. Please provide details of the project, the relevant resource allocation and the anticipated results.

Asked by: Hon CHEUNG Chiu-hung, Fernando (Member Question No. 2256)

Reply:

We will continue to work closely with the Hong Kong Science and Technology Parks Corporation to promote and publicise the innovation and technology areas where Hong Kong enjoys advantages, including the 3 application platforms namely robotics, healthy ageing and smart city, to facilitate integration of technologies in innovative products. We will carry out the work with existing resources. The breakdown of the estimated expenditure is not available.

- End -

CONTROLLING OFFICER'S REPLY**ITB088****(Question Serial No. 0229)**

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (4) Planning for Innovation and Technology Development

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

Last November, the Government introduced the Technology Voucher Programme (TVP) to provide each eligible small and medium enterprise (SME) with funding of up to \$200,000. The TVP promotes the effective use of technological services and solutions among SMEs for better operational efficiency. More than 900 SMEs have already registered their intention to participate in the TVP. In this connection, please list the number of applications by industry. When is the vetting expected to be completed? What are the manpower and expenditure involved?

Asked by: Hon CHEUNG Yu-yan, Tommy (Member Question No. 36)

Reply:

As at 31 January 2017, the Innovation and Technology Commission (ITC) received a total of 136 applications under the Technology Voucher Programme (TVP). The major types of business engaged in by the applicant enterprises are as follows-

Type of business	Number of applications ^{Note}
Wholesale and retail	26
Information technology	15
Engineering	11
Import and export trade	11
Professional services	10

^{Note} Applicant enterprises may engage in more than one type of business

Of the above applications, 23 were assessed by the TVP Committee (the Committee), with 21 of them supported by the Committee for funding. In addition, 4 applications were withdrawn by the applicant enterprises; 86 applications could not be processed and had to be returned to the applicant enterprises, mainly because the applicants had not submitted all the supporting documents required; 18 applications were still awaiting supplementary

information or clarifications about the project details from the applicant enterprises. The remaining 5 applications are more complicated and would be submitted to the Committee for assessment.

At present, 7 staff are involved in the implementation of the TVP. The estimated total salary costs for 2017-18 is about \$5.8 million.

- End -

CONTROLLING OFFICER'S REPLY

ITB089

(Question Serial No. 0278)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (4) Planning for Innovation and Technology Development

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the Internship Programme, will the Government inform this Committee of:

1. the annual expenditure of the Programme in the past 3 years;
2. the number of participating organisations in the past 3 years;
3. the number of participating interns in the past 3 years;
4. the average duration of internship of interns participating in the Programme in the past 3 years; and
5. the details on the enhancement of the Programme?

Asked by: Hon CHIANG Lai-wan (Member Question No. 41)

Reply:

The requested information is provided below:

1. The amount of funding approved under the Internship Programme (the Programme) in the latest 3 financial years is tabulated as follows:

Year	2016-17 (as at end-January 2017)	2015-16	2014-15
Funding amount (million)	86.2	70.2	68.2

2. The number of organisations approved for participation in the Programme in the latest 3 financial years is tabulated as follows:

Year	2016-17 (as at end-January 2017)	2015-16	2014-15
Number of organisations	26	25	27

3. The number of interns approved for participation in the Programme in the latest 3 financial years is tabulated as follows:

Year	2016-17 (as at end-January 2017)	2015-16	2014-15
Number of interns	312	329	319

4. The average duration of internship of interns participating in the Programme in the latest 3 financial years is tabulated as follows:

Year	2016-17 (as at end-January 2017)	2015-16	2014-15
Average duration of internship (months)	16.2	12.1	13.2

5. We have increased the monthly allowances of interns since 24 February last year. The monthly allowance of an intern with a Bachelor's degree has been increased from \$12,000 to \$14,000, while that of an intern with a Master's or higher degree has been increased from \$14,000 to \$16,500.

In addition, in order to encourage more university graduates to pursue a career in innovation and technology, we extended the Programme to cover incubatees of the Hong Kong Science and Technology Parks Corporation (HKSTPC) and Cyberport, as well as small and medium enterprise tenants of both HKSTPC and Cyberport last December, while start-ups with investment from the soon-to-be-launched Innovation and Technology Venture Fund will also be covered later. Each eligible applicant company can recruit up to 2 interns at any one time and the maximum internship period is 24 months. The total internship period for a company should be no more than 48 months.

- End -

CONTROLLING OFFICER'S REPLY

ITB090

(Question Serial No. 7215)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (5) Infrastructural Support

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the development of the Lok Ma Chau Loop (the Loop), please provide a detailed breakdown of estimate on the following:

The number of innovation and technology employment opportunities of the Hong Kong/Shenzhen Innovation and Technology Park to be set up in the Loop and the manpower ratio of Hong Kong to Shenzhen.

Asked by: Hon KWOK Ka-ki (Member Question No. 57)

Reply:

Upon completion of Stage 1 of the Science Park Expansion Programme, the gross floor area (GFA) of the Hong Kong Science Park (HKSP) will reach 400 000m², creating about 17 000 jobs. The GFA of the Hong Kong/Shenzhen Innovation and Technology Park (the Park) will be about 3 times that of the HKSP. On a proportional basis, it is estimated that around 50 000 jobs will be created.

Innovation and technology development involves cross-region and cross-border exchange of talents and knowledge. At the current stage, we have no plans to restrict the mix proportion of local, Mainland or overseas personnel to be employed by enterprises and organisations in the Park. However, if enterprises and organisations located within the Park intend to engage personnel from other places, their admission will be subject to the relevant immigration policies and regulations.

- End -

CONTROLLING OFFICER'S REPLY

ITB091

(Question Serial No. 0430)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (4) Planning for Innovation and Technology Development

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

It is announced in the Budget Speech that a new committee on innovation and technology (I&T) development and re-industrialisation will be set up to co-ordinate long-term policy study.

- (1) What are the estimated expenditure and the establishment of the committee?
- (2) Will the committee study and review the regulations relating to emerging technological products?
- (3) Are the staffing resources for setting up the committee included in the Innovation and Technology Bureau's estimated increase of 15 posts this year? What are the functions of the new manpower?

Asked by: Hon LAU Ip-keung, Kenneth (Member Question No. 20)

Reply:

The requested information is provided below:

- (1) The Innovation and Technology Commission will provide secretariat support to the soon-to-be set up committee on innovation and technology (I&T) development and re-industrialisation with existing manpower and resources. The related support services are part of the work under Programme (4) "Planning for Innovation and Technology Development". The estimated expenditure under Programme (4) for 2017-18 is \$55.8 million, mainly for salaries and general departmental expenses. We have not prepared a breakdown of the estimated expenditure on the provision of secretariat support to the committee.
- (2) We are now working on the terms of reference and composition of the committee with a view to commencing the appointment exercise as soon as practicable. We will

work out the development strategies and work priorities based on the committee's recommendations.

- (3) The Innovation and Technology Bureau will create 15 posts this year to enhance the support on policy formulation and administration and to prepare for the implementation of the work related to the block vote for assisting various departments in using technology to improve public service. Such new posts are not involved in the work of the secretariat of the committee.

- End -

CONTROLLING OFFICER'S REPLY

ITB092

(Question Serial No. 3118)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (3) Promotion of Technological Entrepreneurship

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

The Financial Secretary has announced that the Government will set up a \$2 billion Innovation and Technology Venture Fund (ITVF) to invest in local start-ups, thereby injecting new capital and energy into technology start-ups in Hong Kong. Will the Government inform this Committee of:

- (1) the number of start-ups at present, as well as their respective business, number of staff and registered capital (if applicable);
- (2) the establishment and administrative expenses of the ITVF; and
- (3) the indicators for reviewing the effectiveness of the ITVF?

Asked by: Hon LAU Ip-keung, Kenneth (Member Question No. 30)

Reply:

The requested information is provided below:

- (1) According to the information from Invest Hong Kong, the number of start-ups in Hong Kong increased significantly in the past few years. In 2016, there were about 1 920 start-ups in Hong Kong, representing an increase of 24% when compared with about 1 550 in 2015. Most of these start-ups were engaging in businesses of “information, computer and technology”, “e-commerce”, “professional or consultancy services”, “financial technology”, “hardware” and “health and medical”, etc., employing a total of over 5 200 staff.
- (2) We will set up a Secretariat to handle the work related to the Innovation and Technology Venture Fund (ITVF). The Secretariat will comprise the following 5 civil service posts and 1 contract post: 1 Senior Treasury Accountant, 1 Senior Executive Officer, 1 Treasury Accountant, 1 Executive Officer I, 1 Assistant Clerical Officer and 1 contract Investment Advisor. The estimated annual recurrent

expenditure for the Secretariat is \$9.1 million, which includes salary expenses and other administrative and promotional fees.

- (3) We believe that the ITVF will help draw more technology companies to set up in Hong Kong, thereby creating more high value-added jobs for our youngsters. Increase in the number of start-ups will also help attract venture capital (VC) funds from abroad to invest in Hong Kong and build a more vibrant and self-sustaining VC market. We will take the number of start-ups set up in Hong Kong, number of high value-added innovation and technology jobs created and number of overseas VC funds investing in Hong Kong as the performance indicators of the ITVF.

- End -

CONTROLLING OFFICER'S REPLY

ITB093

(Question Serial No. 0701)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (3) Promotion of Technological Entrepreneurship

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

The Government provides a number of funding schemes for entrepreneurs lacking in capital, including Cyberport Creative Micro Fund, Microfinance Scheme, Innovation and Technology Fund, CreateSmart Initiative, “Enhancing Employment of People with Disabilities through Small Enterprise” Project, Youth Development Fund, Innovation and Technology Fund for Better Living, DesignSmart Initiative, Patent Application Grant, New Technology Training Scheme, and Professional Services Development Assistance Scheme. What are the number of applications received, the number of applications approved and the average funding amount for each approved application under each of the funding schemes (if applicable) in the past 3 years? Are the approved projects sustainable? What is the average age of the applicants? What is the ratio of applicants with past entrepreneurial experience to the total number of applicants?

Asked by: Hon LEE Wai-king, Starry (Member Question No. 46)

Reply:

Programmes funded by the Innovation and Technology Fund include the Enterprise Support Scheme (ESS), the Small Entrepreneur Research Assistance Programme (SERAP), the Technology Start-up Support Scheme for Universities (TSSSU) and the Patent Application Grant (PAG). Other funding schemes mentioned in the question, including the Cyberport Creative Micro Fund, the Microfinance Scheme, the CreateSmart Initiative, the “Enhancing Employment of People with Disabilities through Small Enterprise” Project, the Youth Development Fund, the Innovation and Technology Fund for Better Living, the DesignSmart Initiative, the New Technology Training Scheme, and the Professional Services Development Assistance Scheme, are not under the purview of Head (155) Government Secretariat: Innovation and Technology Commission.

ESS, SERAP and TSSSU are part of the major work under Programme (3) “Promotion of Technological Entrepreneurship”, while PAG is a funding scheme under Programme (1) “Support for Research and Development”.

Launched in April 2015, ESS aims to provide funding support to local companies to carry out research and development (R&D). As at end-January 2017, a total of 226 applications were processed. Among these processed applications, 28 were approved, involving a funding of about \$75.6 million. The average amount of funding approved for each successful application was about \$2.7 million.

Applications for SERAP were no longer accepted since 28 April 2015. Between 2014-15 and cessation of the programme in 2015-16, a total of 103 applications were received, 29 of which were approved, involving a funding of about \$52 million. The average amount of funding approved for each successful application was about \$1.8 million.

TSSSU was launched in September 2014 to provide funding to the research teams of the 6 local universities in starting technology businesses and commercialising their R&D results. An annual funding of up to \$4 million is provided to each of the 6 local universities. Each funded start-up may receive up to \$1.2 million each year for no more than 3 years. In the past 3 years, a total of 505 applications were received, 169 of which were approved, involving 122 start-ups with a total funding of \$65.57 million. The average amount of funding for each approved application was about \$390,000.

PAG aims to encourage local companies and individual inventors who are first-time patent-seekers to protect and capitalise their intellectual work through patent registration. The maximum amount of grant for each approved application is \$250,000. In the past 3 years (i.e. 2014-15 to end-January 2017), a total of 751 applications were received and 466 were approved.

Information on the age and past entrepreneurial experience of the applicants for the above schemes is not available.

- End -

CONTROLLING OFFICER'S REPLY**ITB094****(Question Serial No. 5052)**

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title): (000) Operational expenses

Programme: Not Specified

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

There are 8 directorate civil servants in the Innovation and Technology Commission in 2017-18. Please advise on the rank, pay scale, salary and benefits of each of the 8 directorate civil servants.

Asked by: Hon LEUNG Kwok-hung (Member Question No. 575)

Reply:

The requested information is provided below:

Rank	Salary of the rank	No. of posts
Commissioner for Innovation and Technology	\$238,750-\$245,850	1
Administrative Officer Staff Grade B	\$187,750-\$204,950	1
Administrative Officer Staff Grade C	\$161,450-\$176,550	3
Assistant Commissioner for Innovation and Technology	\$161,450-\$176,550	1
Executive Administrator (Accreditation)	\$135,950-\$148,750	1
Chief Electronics Engineer/Chief Electrical and Mechanical Engineer	\$135,950-\$148,750	1
Total		8

Staff at the various ranks above may apply for allowances (such as housing allowance) related to their terms of appointment and service depending on their respective ranks and pay points under the relevant Civil Service Regulations. Nevertheless, such allowances are not funded under Head 155 – Government Secretariat: Innovation and Technology Commission.

- End -

CONTROLLING OFFICER'S REPLY

ITB095

(Question Serial No. 5053)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (4) Planning for Innovation and Technology Development

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

The key performance indicators of Programme (4) cover the Internship Programme. In this connection, please inform this Committee of the following in tabular form:

1. the number of applications, the respective industry of the applicant companies, the size of the companies (large or small and medium enterprises), the companies' place of registration, the average number of posts involved in each application;
2. the number of applications approved, the respective industry of the applicant companies, the size of the companies (large or small and medium enterprises), the companies' place of registration, the average number of posts involved in each application; and
3. the number of posts approved since the implementation of the Programme.

Asked by: Hon LEUNG Kwok-hung (Member Question No. 576)

Reply:

A consolidated reply to various parts of the question is as follows:

From the launch of the Internship Programme in 2004 to end-January 2017, we received a total of 2 648 applications (each application involved the recruitment of 1 intern), of which 2 453 were approved. 263 of these applications were submitted by private companies and 227 of them were approved. The remaining applications were submitted by designated local public research institutions or research and development centres. All applicant companies in the private sector must either be set up or registered under the Companies Ordinance or the Business Registration Ordinance in Hong Kong. We do not have the breakdown on companies by industry and company size.

- End -

CONTROLLING OFFICER'S REPLY

ITB096

(Question Serial No. 5054)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (4) Planning for Innovation and Technology Development

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

The matters requiring special attention in 2017-18 include organising promotional and educational activities to enhance public awareness on innovation and technology development. In this connection, please inform this Committee of the following:

1. the estimated manpower, establishment, remuneration expenses and departmental expenses for the above work in 2017-18; and
2. the above expenditures in the past 3 years (2014-15 to 2016-17) in tabular form.

Asked by: Hon LEUNG Kwok-hung (Member Question No. 577)

Reply:

The requested information is provided below:

- 1) Enhancing public awareness on innovation and technology development is part of the major work under Programme (4) "Planning for Innovation and Technology Development". The estimated expenditure under Programme (4) for 2017-18 is \$55.8 million, of which \$24.6 million is for salary expenses and \$31.2 million is for departmental expenses. We do not have a separate breakdown of expenditure on the work on promotional and educational activities.
- 2) The expenditures under Programme (4) "Planning for Innovation and Technology Development" in the past 3 years are as follows:

Year	2014-15	2015-16	2016-17 (Revised estimate)
Expenditure (\$)	36.9 million	36.4 million	46.5 million
Salary expenses (\$)	11.2 million	13.1 million	17 million
Departmental expenses (\$)	25.7 million	23.3 million	29.5 million

- End -

CONTROLLING OFFICER'S REPLY

(Question Serial No. 5085)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title): (000) Operational expenses

Programme: Not Specified

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

Please inform this Committee in tabular form of the establishment, rank, salaries, allowances and job-related allowances of the following department/divisions in the Estimates of Expenditure 2017-18:

- Innovation and Technology Commission
- Biotechnology Director Team
- Science Advisor Team
- Funding Schemes Division
- Infrastructure Division
- Policy and Development Division
- Quality Services Division
- Administration Division
- Public Relations and Information Unit
- Secretariat of the Hong Kong Council for Testing and Certification

Asked by: Hon LEUNG Kwok-hung (Member Question No. 2015)

Reply:

The requested information is provided below:

(I) Directorate staff:

Total Directorate Establishment	Ranks	Total Personal Emoluments~ (\$'000)	Total Personnel Related Expenses^ (\$'000)
8	Commissioner for Innovation and Technology (1) Administrative Officer Staff Grade B (1) Administrative Officer Staff Grade C (AOSGC) (3) @ Assistant Commissioner for Innovation and Technology (ACIT) (1) * Executive Administrator (Accreditation) (EA(A)) (1) # Chief Electronics Engineer (CEE)/Chief Electrical and Mechanical Engineer (CEME) (1) #	17,458	-

- Notes:
- () Denotes number of posts.
 - @ 3 AOSGC posts are created in the Funding Schemes Division, the Policy and Development Division and the Secretariat of the Hong Kong Council for Testing and Certification (HKCTC) respectively.
 - * The ACIT post is created in the Infrastructure Division.
 - # The EA(A) and CEE/CEME posts are both created in the Quality Services Division.
 - ~ Personal emoluments include salaries, allowances and job-related allowances.
 - ^ Personnel related expenses include Mandatory Provident Fund contribution and Civil Service Provident Fund contribution.

(II) Non-directorate staff:

	Total Non-directorate Establishment	Ranks	Total Personal Emoluments~ (\$'000)	Total Personnel Related Expenses^ (\$'000)
Biotechnology Director Team	5	Senior Scientific Officer Scientific Officer	5,526	172

	Total Non-directorate Establishment	Ranks	Total Personal Emoluments~ (\$'000)	Total Personnel Related Expenses^ (\$'000)
Science Advisor Team	12	Senior Electrical and Mechanical Engineer Electrical and Mechanical Engineer Senior Electronics Engineer Electronics Engineer Scientific Officer Assistant Clerical Officer Clerical Assistant	10,078	797
Funding Schemes Division	42	Senior Administrative Officer Principal Trade Officer Trade Officer Assistant Trade Officer I Assistant Trade Officer II Senior Treasury Accountant Treasury Accountant Senior Executive Officer Executive Officer I Clerical Officer Assistant Clerical Officer Clerical Assistant Personal Secretary I Personal Secretary II Workman II	28,353	1,040
Infrastructure Division	17	Senior Administrative Officer Senior Treasury Accountant Treasury Accountant Trade Officer Assistant Trade Officer I Chief Executive Officer Senior Executive Officer Executive Officer I Executive Officer II Assistant Clerical Officer Clerical Assistant Personal Secretary I	11,631	504

	Total Non-directorate Establishment	Ranks	Total Personal Emoluments~ (\$'000)	Total Personnel Related Expenses^ (\$'000)
Policy and Development Division	24	Principal Trade Officer Trade Officer Assistant Trade Officer I Assistant Trade Officer II Administrative Officer Chief Executive Officer Senior Executive Officer Executive Officer I Executive Officer II Assistant Clerical Officer Clerical Assistant Personal Secretary I Personal Secretary II	15,901	505
Quality Services Division	89	Chemist Senior Electrical and Mechanical Engineer Electrical and Mechanical Engineer Senior Electronics Engineer Electronics Engineer Senior Scientific Officer Scientific Officer Senior Structural Engineer Senior Geotechnical Engineer Engineer Trade Officer Principal Technical Officer Senior Technical Officer Technical Officer Executive Officer I Executive Officer II Senior Clerical Officer Clerical Officer Assistant Clerical Officer Clerical Assistant Personal Secretary II Senior Typist Typist Supplies Supervisor I Office Assistant Motor Driver Workman II	57,436	3,645

	Total Non-directorate Establishment	Ranks	Total Personal Emoluments~ (\$'000)	Total Personnel Related Expenses^ (\$'000)
Secretariat of HKCTC	10	Administrative Officer Chief Executive Officer Senior Executive Officer Executive Officer II Clerical Officer Assistant Clerical Officer Personal Secretary I	5,895	260
Others (including Administration Division and Public Relations and Information Unit)	32	Chief Executive Officer Senior Executive Officer Executive Officer I Official Languages Officer I Official Languages Officer II Clerical Officer Assistant Clerical Officer Clerical Assistant Senior Personal Secretary Personal Secretary I Personal Secretary II Confidential Assistant Typist Supplies Supervisor I Office Assistant Motor Driver Workman II	12,995	483

- End -

CONTROLLING OFFICER'S REPLY

ITB098

(Question Serial No. 3054)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (1) Support for Research and Development

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

Established by the Government last year, the Innovation and Technology Bureau is determined to develop Hong Kong into a knowledge-based economy and an innovation hub for technology and its application in the region. It is mentioned in paragraph 120 of the Budget this year that innovation and technology (I&T) can drive Hong Kong's re-industrialisation, thereby promoting economic growth and creating quality jobs. In this connection, will the Government inform this Committee of the following:

1. What is the total amount of resources put into advocating re-industrialisation in the Hong Kong society in the past 3 years and its effectiveness?
2. It is proposed in the Budget that the Government plans to inject \$2 billion to set up the Innovation and Technology Venture Fund (ITVF) to "co-invest in local I&T start-ups with venture capital funds on a matching basis of about one to two". What is the investment cap and maximum number of projects under the ITVF? What are the vetting procedures and criteria for project application?

Asked by: Hon LEUNG Mei-fun, Priscilla (Member Question No. 34)

Reply:

The requested information is provided below:

- (1) The Government has been working closely with the Hong Kong Science and Technology Parks Corporation (HKSTPC), through organising different activities such as seminars, exhibitions, visits and business matching, etc., to promote re-industrialisation and encourage the industrial sector to upgrade and transform by adopting innovation and technology (I&T). On the hardware side, having revised the Industrial Estate (IE) policy, the Government will build and manage specialised multi-storey industrial buildings in future for rental to different users, so as to attract high value-added technology industries and manufacturing processes and promote

re-industrialisation. In 2016, the Legislative Council (LegCo) approved funding to support HKSTPC to build a Data Technology Hub and an Advanced Manufacturing Centre in the Tseung Kwan O IE to promote smart production. The 2 projects, with development costs of \$1.615 billion and \$6.633 billion respectively, are still under construction.

Underpinning the 2016 Policy Address, the Hong Kong Productivity Council (HKPC) has since 2016 dedicated efforts on promoting re-industrialisation to facilitate relevant enterprises in moving towards high value-added production and gradually migrating towards Industry 4.0. Last year, HKPC was officially accredited as an “Industry 4.0 Expert” by Fraunhofer Institute for Production Technology, Germany (Fraunhofer IPT), and proceeded to organise a series of value-added activities for enhancing the industry’s understanding of Industry 4.0. These included organising international conferences and seminars on industrial innovation strategy, and establishing the “Industry 4.0 Upgrade and Recognition Programme” with Fraunhofer IPT to help the industry gradually upgrade its operation towards Industry 4.0. A total of 12 relevant consultancy service projects were performed for 8 enterprises. The conferences and seminars attracted over 1 400 industry participants.

- (2) A discussion paper covering the institutional arrangements, framework for management of investments and expected benefits of the Innovation and Technology Venture Fund (ITVF) was submitted to the Finance Committee (FC) of the LegCo for deliberation. Please refer to the FC discussion paper for details (Paper ref.: FCR(2016-17)67)(<http://www.legco.gov.hk/yr15-16/english/fc/fc/papers/f16-67e.pdf>). We are now formulating the relevant guidelines and criteria for selecting qualified venture capital funds as partners. It is expected that the ITVF will be launched in mid-2017.

- End -

CONTROLLING OFFICER'S REPLY

ITB099

(Question Serial No. 3431)

Head: (155) Government Secretariat : Innovation and Technology Commission

Subhead (No. & title): (000) Operational expenses

Programme: Not Specified

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding outsourcing of services in your department, please inform this Committee of the following:

1. the total number of outsourced service staff in your department and the percentage of outsourced service staff against the total number of staff with the same types of duties in your department in the past 3 years;
2. the total staff costs of your department; the total amount paid to outsourced service providers; and the percentage of amount paid to outsourced service providers against the total staff costs of your department in the past 3 years; and
3. the nature of services outsourced by your department and the duration of the respective contracts in the past 3 years.

In addition, according to the Government's guidelines for tendering of outsourced services revised last year, if the procured service involves the engagement of a large number of non-skilled workers, and a marking scheme for assessing the tenders is adopted, the procuring department, when assessing the tenders, should include in the assessment criteria the evaluation of tenderers' proposed wage rates and working hours for non-skilled workers. In this regard, please inform this Committee of the following:

4. the current number of outsourced service contracts involving a large number of non-skilled workers awarded by your department since implementation of the guidelines;
5. the departments which have adjusted their assessment criteria in respect of wage rates and working hours for the outsourced service contracts involving a large number of non-skilled workers in the light of the new guidelines since their implementation; how

your department has made adjustment; and if no relevant information is available, the reasons for it;

6. whether there have been any rises in the average wage rates for the outsourced service contracts involving a large number of non-skilled workers since the implementation of the guidelines; if yes, the number of contracts with rises in wage rates; if no relevant information is available, the reasons for it;
7. your department's measures to evaluate the effectiveness of the new tendering guidelines;
8. whether your department is required to adopt the existing two-envelope approach to evaluate the technical and price aspects of outsourced service tenders; if no, the number of contracts awarded without adopting the approach in the past 3 years;
9. the annual numbers of cases of government service contractors breaching the service contracts, the Employment Ordinance or the Occupational Safety and Health Ordinance as revealed by the inspections conducted by your department, and the annual numbers of complaints lodged by the outsourced service staff;
10. the details of follow-up actions on the aforementioned non-compliance and complaint cases; and
11. the number and details of cases involving contractors being punished for non-compliance or sustained complaints.

Asked by: Hon LEUNG Yiu-chung (Member Question No. 156)

Reply:

The requested information on the engagement of outsourced service staff is set out below:

	2016-17 (as at 28 February 2017)	2015-16	2014-15
Total number of outsourced service staff	3	3	3
Percentage of outsourced service staff against the total number of staff in the Innovation and Technology Commission (ITC)	1.1%	1.2%	1.2%
Total staff costs (\$ million)	191 (Note)	169	157
Total amount paid to outsourced service providers (\$ million)	1.2	1.0	1.0
Percentage of amount paid to outsourced service providers	0.6%	0.6%	0.6%

against the total staff costs of ITC			
Service nature of outsourced service staff	Information technology	Information technology	Information technology
Duration of contract of each outsourced service providers	1 year	1 year	1 year

(Note) The figure represents the estimated costs for the year.

In the past 3 years, no service contracts involving the engagement of a large number of non-skilled workers were awarded by ITC. During this period, ITC neither found any outsourced service contractors breaching the service contracts, the Employment Ordinance or the Occupational Safety and Health Ordinance, nor received any complaints lodged by the outsourced service staff.

- End -

CONTROLLING OFFICER'S REPLY

ITB100

(Question Serial No. 3451)

Head: (155) Government Secretariat : Innovation and Technology Commission

Subhead (No. & title):

Programme: Not Specified

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

Does your department provide sign language interpretation services? If yes, what are the manpower and expenditure involved? If no, what are the reasons?

Asked by: Hon LEUNG Yiu-chung (Member Question No. 200)

Reply:

The Innovation and Technology Commission (ITC) currently does not provide sign language interpretation services. No request for sign language interpretation has been received. ITC will, if needed, provide assistance as far as practicable.

- End -

CONTROLLING OFFICER'S REPLY

ITB101

(Question Serial No. 0395)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (2) Fostering University-Industry Collaboration

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

It is estimated by the Commission that the number of applications received and processed in 2017 under the University-Industry Collaboration Programme will be 25, which is lower than that of last year. This runs contrary to the vision of promoting the innovation and technology industry as stated in the Policy Address and the Budget. What are the reasons for that?

Asked by: Hon LIAO Cheung-kong, Martin (Member Question No. 15)

Reply:

As the available resources, incentives, workload, etc. of the universities and the industry vary from year to year, there are variations in the number of applications and funded projects every year. 24, 22 and 28 applications were received under the University-Industry Collaboration Programme (UICP) in 2014, 2015 and 2016 respectively. The estimated number of applications to be received in 2017 is 25, which is projected based on the average number in the past 3 years. We will continue our efforts in implementing the UICP to encourage companies and local universities to collaborate in research and development (R&D) projects of commercial nature. In addition to the UICP, enterprises can also apply for funding from various programmes under the Innovation and Technology Fund to undertake R&D projects in collaboration with R&D Centres or with their internal resources.

- End -

CONTROLLING OFFICER'S REPLY

ITB102

(Question Serial No. 0409)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (4) Planning for Innovation and Technology Development

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

It is understood that the Government has extended the Public Sector Trial Scheme (PSTS) to cover the incubatees of the Hong Kong Science and Technology Parks Corporation (HKSTPC) and Cyberport since the end of last year. The scheme will provide each eligible project with a maximum subsidy of \$1 million. In addition, the Government has also extended the Internship Programme to benefit the incubatees and small and medium enterprise (SME) tenants of HKSTPC and Cyberport, with the aim of nurturing more innovation and technology talents. What is the total number of participating organisations and companies since the launch of the PSTS? How many start-ups and SMEs are expected to participate in the Programme in the coming 3 years? What is the estimated average annual expenditure on promotion after the next 3 years?

Asked by: Hon LIAO Cheung-kong, Martin (Member Question No. 20)

Reply:

To strengthen support for local start-ups, we extended the Public Sector Trial Scheme last December to cover incubatees of the Hong Kong Science and Technology Parks Corporation (HKSTPC) and Cyberport for trials of their products or services in the public sector. As the extended Scheme has only been rolled out for a relatively short period of time, and it also takes time for interested companies to discuss the details with the relevant public organisations, we have not received any applications from the incubatees so far.

To encourage more university graduates to pursue a career in innovation and technology, the Internship Programme has also been extended to fund the recruitment of up to 2 local graduates as interns by incubatees and small and medium enterprise (SME) tenants of HKSTPC and Cyberport. It is estimated that about 400 start-ups and SMEs will benefit from the programme every year. As at end-February 2017, applications from about 20 companies were approved.

The Innovation and Technology Commission will continue to promote the above programmes with existing manpower and resources. A breakdown on the expenditure is not available.

- End -

CONTROLLING OFFICER'S REPLY

ITB103

(Question Serial No. 0410)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (3) Promotion of Technological Entrepreneurship

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

It is mentioned in paragraph 123 of the Budget Speech that the Government is setting up a \$2 billion Innovation and Technology Venture Fund (ITVF) to co-invest in local innovation and technology (I&T) start-ups with venture capital funds on a matching basis of about one to two, thereby injecting new capital and energy into technology start-ups in Hong Kong. In this connection, how many I&T start-ups and small and medium enterprises are expected to apply for ITVF in the coming year? In addition, what is the estimated number of staff to be assigned to undertake the relevant duties? What is the estimated expenditure involved?

Asked by: Hon LIAO Cheung-kong, Martin (Member Question No. 19)

Reply:

During the initial implementation of the Innovation and Technology Venture Fund (ITVF), we expect that the Government will partner with 4 to 5 venture capital (VC) funds and co-invest in 40 to 50 technology start-ups during the active investment period (i.e. the first 4 to 5 years of introduction). However, the number of participating VC funds and pace of investment will be affected by external factors such as market conditions and investment sentiments, etc.

We will set up a Secretariat to handle the work related to the ITVF. The Secretariat will comprise the following 5 civil service posts and 1 contract post: 1 Senior Treasury Accountant, 1 Senior Executive Officer, 1 Treasury Accountant, 1 Executive Officer I, 1 Assistant Clerical Officer and 1 contract Investment Advisor. The estimated annual recurrent expenditure for the Secretariat is \$9.1 million, which includes salary expenses and other administrative and promotional fees.

- End -

CONTROLLING OFFICER'S REPLY

ITB104

(Question Serial No. 0411)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (4) Planning for Innovation and Technology Development

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

It is mentioned in paragraph 122 of the Budget Speech that the Government will set up a new committee on innovation and technology (I&T) development and re-industrialisation to co-ordinate the I&T development and re-industrialisation of Hong Kong. In this connection, based on the Government's preliminary plan, what is the number of staff required for the committee on I&T development and re-industrialisation and the estimated average annual operating expenditure in the coming 3 years?

Asked by: Hon LIAO Cheung-kong, Martin (Member Question No. 18)

Reply:

The 2017-18 Budget announces that the Government will set up a committee on innovation and technology (I&T) development and re-industrialisation. The committee will co-ordinate the I&T development and re-industrialisation of Hong Kong through a higher-level and inter-bureau approach.

The Innovation and Technology Commission will provide secretariat support to the committee with existing manpower and resources. The related support services are part of the work under Programme (4) "Planning for Innovation and Technology Development". The estimated expenditure under Programme (4) for 2017-18 is \$55.8 million, mainly for salaries and general departmental expenses. We have not prepared a breakdown of the estimated expenditure on the provision of secretariat support to the committee.

- End -

CONTROLLING OFFICER'S REPLY

ITB105

(Question Serial No. 0412)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (4) Planning for Innovation and Technology Development

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

The Commission's estimated financial provision for planning for innovation and technology (I&T) development for 2017-18 significantly increases by around 30% compared with the original estimate for 2016-17. What are the reasons for that? What are the respective percentages of the provisions for enhancing public awareness of I&T and organising local promotional events, administering the Internship Programme as well as promoting the development of Chinese medicines in the total financial provision, and the percentage increase over the past 5 years?

Asked by: Hon LIAO Cheung-kong, Martin (Member Question No. 17)

Reply:

The requested information is provided below:

(1) Overview of Financial Provision for Programme (4)

The aim of Programme (4) is to support the formulation and co-ordination of innovation and technology (I&T) policies and sustain public awareness of I&T. Major work includes:

- (a) supporting technology co-operation with the Mainland and other overseas economies;
- (b) organising I&T promotional events and administering the General Support Programme to fund projects which help foster an I&T culture;
- (c) administering the Internship Programme; and
- (d) co-ordinating the promotion of the development of research and development as well as testing of Chinese medicines (CM), etc.

The provision under this Programme is mainly for salary and departmental expenses.

The estimate for 2017-18 is 32.2% (or \$13.6 million) higher than the original estimate for 2016-17. This is mainly due to:

- (a) increased provision for salary arising from the creation of 14 civil service posts in 2017-18; and
- (b) increased departmental expenses.

(2) Breakdown of Expenses and Percentage Increase over the Past 5 Years

We do not have the breakdown and percentage of the departmental expenses and salaries for individual items of enhancing public awareness of I&T and organising local promotional events, administering the Internship Programme, and promoting the development of CM. The overall estimated provision under Programme (4) for 2017-18 is \$55.8 million, of which \$24.6 million (44.1%) is for salary expenses and \$31.2 million (55.9%) is for departmental expenses.

The expenditure under this Programme and the percentage increase over the past 5 years are as follows:

Year	2017-18 (Estimate)	2016-17 (Revised estimate)	2015-16	2014-15	2013-14	2012-13
Expenditure (\$million)	55.8	46.5	36.4	36.9	34.2	34.3
Percentage increase	20.0%	27.7%*	-1.4%	7.9%	-0.3%	-

(* The increase in 2016-17 is particularly significant, which is mainly due to increased provision for salary arising from the creation of 4 civil service posts and increased departmental expenses.)

- End -

CONTROLLING OFFICER'S REPLY

ITB106

(Question Serial No. 0413)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (3) Promotion of Technological Entrepreneurship

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

The Commission's estimated financial provision for promotion of technological entrepreneurship for 2017-18 increases by around 14% when compared with the revised financial provision for 2016-17. On what areas will the increased provision be used? Will the Commission provide the estimated expenditure and details of the areas? What is the estimated expenditure for the 3 areas of robotics, healthy ageing and smart city which enjoy comparative advantage?

Asked by: Hon LIAO Cheung-kong, Martin (Member Question No. 16)

Reply:

The aim of Programme (3) is to promote technological entrepreneurship in Hong Kong and provide support to technology-based entrepreneurial activities and technology research and development in the private sector. Major work includes:

- (a) administering the Enterprise Support Scheme;
- (b) administering the Technology Start-up Support Scheme for Universities;
- (c) launching and administering the Innovation and Technology Venture Fund; and
- (d) monitoring the residual work relating to the Applied Research Fund, etc.

The estimate for 2017-18 is 14.2% (or \$2.8 million) higher than the revised estimate for 2016-17. This is mainly due to:

- (a) increased salary expenses arising from the full-year salary payment for 7 civil service posts created in the second half of 2016-17; and
- (b) increased expenses on salary for non-civil service contract staff.

In addition, we will continue to work closely with the Hong Kong Science and Technology Parks Corporation to promote and publicise the innovation and technology areas where

Hong Kong enjoys advantages, including the 3 application platforms namely robotics, healthy ageing and smart city, to facilitate integration of technologies in innovative products. As we will carry out the work with existing resources, the breakdown of estimated expenditure is not available.

- End -

CONTROLLING OFFICER'S REPLY

ITB107

(Question Serial No. 0518)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (5) Infrastructural Support

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

One of the functions of the Innovation and Technology Bureau is to monitor the implementation of the Hong Kong Science Park (HKSP) expansion and the new Industrial Estate (IE) policy so as to promote re-industrialisation. In this connection, please advise whether the Government has an overall planning for the distribution of responsibilities among and the layout of HKSP and the IEs, and whether specific strategies on re-industrialisation have been formulated, in particular measures on developing a high-end manufacturing industry conducive for Hong Kong. If yes, what are the details; if not, what are the reasons?

Asked by: Hon LO Wai-kwok (Member Question No. 12)

Reply:

The Government is committed to promoting re-industrialisation and developing a high-end manufacturing industry which leverages new technologies and smart production while requiring less amount of land, so as to identify new growing point for Hong Kong's economic development and create quality and diversified employment opportunities.

On the hardware side, the Government has been working closely with the Hong Kong Science and Technology Parks Corporation (HKSTPC) in promoting re-industrialisation and has revised the policy on Industrial Estates (IEs) in order to encourage smart production, attract high value-added technology industries as well as high value-added manufacturing processes. In future, HKSTPC will build and manage specialised multi-storey industrial buildings for rental to multi-users. HKSTPC is building a Data Technology Hub and an Advanced Manufacturing Centre in the Tseung Kwan O IE to promote smart production. Stage 1 of the Hong Kong Science Park Expansion Programme has also been commenced to provide additional scientific research infrastructure to the industry. On long-term land planning, we have set aside sites near the Liantang/Heung Yuen Wai Boundary Control Point for future development of the IEs. Moreover, we will

develop a Hong Kong/Shenzhen Innovation and Technology Park in the Lok Ma Chau Loop. The key base for co-operation in scientific research in the Park would complement the industrial strength of Shenzhen, thereby promoting commercialisation and industrialisation of research and development (R&D) outcomes.

Quality R&D capabilities are necessary to support re-industrialisation. In addition to existing programmes under the Innovation and Technology Fund, we launched the Midstream Research Programme for Universities in December last year to encourage universities to conduct more translational R&D work in focused technology areas, such that more research outcomes could be made available for further downstream research work or product development.

Since last year, the Hong Kong Productivity Council (HKPC) has been dedicating efforts to promoting re-industrialisation to facilitate enterprises in moving towards high value-added production and achieving Industry 4.0. HKPC has been officially accredited as an “Industry 4.0 Expert” by Fraunhofer Institute for Production Technology, Germany (Fraunhofer IPT) and organised a series of activities for enhancing the industry’s understanding of Industry 4.0. These included organising international conferences and seminars on industrial innovation strategy, and establishing the “Industry 4.0 Upgrade and Recognition Programme” with Fraunhofer IPT to help the industry gradually upgrade its operation towards Industry 4.0. Related consultancy services were also provided to the enterprises. In addition, HKPC will establish an Inno Space to provide workspace and technical support to enable users to develop their innovative ideas into industrial design, which may subsequently be translated into products through prototyping.

- End -

CONTROLLING OFFICER'S REPLY

ITB108

(Question Serial No. 0533)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (7) Subvention: Hong Kong Productivity Council, Hong Kong Applied Science and Technology Research Institute Company Limited

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

The Financial Secretary states that the Government has commissioned the Hong Kong Productivity Council to establish an Inno Space to turn innovative and technological ideas into industrial designs or products, with a view to expanding the start-up culture in Hong Kong and supporting re-industrialisation. However, this is not mentioned or elaborated under Programme (7) of Head 155. In this connection, please advise whether the Government has already had a relatively clear concept and plan on the objectives and supporting measures, etc., in respect of the establishment of the Inno Space. If yes, what are the details; if not, what are the reasons?

Asked by: Hon LO Wai-kwok (Member Question No. 18)

Reply:

It is set out under Programme (7) of Head 155 that the major tasks of the Hong Kong Productivity Council (HKPC) during 2017-18 includes promoting re-industrialisation and assisting the relevant enterprises in moving towards high value-added production. Establishing an Inno Space is one of the concrete measures on supporting re-industrialisation.

The Inno Space will provide workspace and technical support to enable users to develop their innovative ideas into industrial design, which may subsequently be translated into products through prototyping. The Inno Space will be open to the public, with the main target users being start-up entrepreneurs, secondary or university students and graduates, so as to nurture a start-up culture in Hong Kong. With experts supervising and offering training to the users, the Inno Space will provide tools, equipment and software for design and production of prototypes, and organise activities relating to the promotion of innovation and technology.

HKPC is preparing a detailed implementation plan and will explore collaboration with local universities and other existing makerspace operators, with a view to creating synergy. The Inno Space is expected to commence operation within this year.

- End -

CONTROLLING OFFICER'S REPLY

ITB109

(Question Serial No. 0535)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (1) Support for Research and Development

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

The level of cash rebate of the Research and Development (R&D) Cash Rebate Scheme was increased from 30% to 40% with effect from 24 February 2016. In order to provide a more stable and longer-term financial support to sustain the efforts in the promotion of private sector investment in R&D, the Scheme was subsumed under the Innovation and Technology Fund (ITF) with effect from April 2016. In this connection, please advise whether the Government will, based on the above policy objective, re-consider the call from the technology industry to expand the scope of the Scheme instead of limiting it to “companies conducting applied R&D projects with the support of the ITF or in partnership with designated local public research institutions” and enhance the Scheme. If yes, what are the details; if not, what are the reasons?

Asked by: Hon LO Wai-kwok (Member Question No. 20)

Reply:

We review the implementation and effectiveness of the Research and Development Cash Rebate Scheme and introduce enhancement measures from time to time. For example, we extended the scope of the Scheme to cover private companies participating in the Enterprise Support Scheme and the Midstream Research Programme for Universities respectively in April 2015 and December 2016, so as to benefit more companies (including small and medium enterprises). We will continue to review the implementation of the Scheme and make enhancements in a timely manner.

- End -

CONTROLLING OFFICER'S REPLY

ITB110

(Question Serial No. 7212)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (3) Promotion of Technological Entrepreneurship

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

Will the Commission provide the establishment date of and amount of injection to the fund below, as well as the balance, amount of Government injection and total amount of expenditure in 2013-14, 2014-15, 2015-16 and 2016-17? If there are other funds that are under the purview of the Commission but not listed below, please also provide information based on the above items.

1. Applied Research Fund

Asked by: Hon MA Fung-kwok (Member Question No. 101)

Reply:

The requested information is provided below:

The funds that are under the purview of the Innovation and Technology Commission include the Applied Research Fund (ARF) and the Innovation and Technology Fund (ITF).

1. ARF

The ARF is a Government venture capital fund of \$750 million set up in 1993. The Government reviewed the operation of the ARF and reported the relevant result to the Legislative Council Panel on Commerce and Industry in 2005. With the consent of the Panel, we decided to gradually wind down the ARF and cease making new investments. The balance, amount of Government injection and total amount of expenditure of the ARF from 2013-14 to 2016-17 are as follows:

Year	Balance (\$ million)	Government injection (\$ million)	Expenditure (\$ million)
2013-14	259	-	1.0
2014-15	111(Note)	-	0.7
2015-16	95	-	1.0
2016-17 (as at 31 December 2016)	95	-	0.3

Note: The decrease in balance against the previous year was mainly due to the return of \$150 million to the Government. Together with the \$375 million returned in 2009-10, the ARF has returned a total of \$525 million to the Government.

2. ITF

The Government established the \$5 billion ITF in 1999 to finance applied research and development projects that contribute to technology upgrading in manufacturing and services industries and promote innovation. The Legislative Council Finance Committee approved an additional injection of \$5 billion to the ITF in February 2015, and a further injection of \$2 billion to the ITF to implement the Midstream Research Programme for Universities and another \$2 billion to implement the Innovation and Technology Venture Fund in June and July 2016 respectively. A total of \$9 billion was injected to the ITF in 2016-17. The balance, amount of Government injection and total amount of expenditure of the ITF from 2013-14 to 2016-17 are as follows:

Year	Balance (\$ million)	Government injection (\$ million)	Expenditure (\$ million)
2013-14	1,812	-	732
2014-15	987	-	882
2015-16	42	-	1,014
2016-17 (Revised estimate)	7,979	9,000	1,258

- End -

CONTROLLING OFFICER'S REPLY

ITB111

(Question Serial No. 1706)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (5) Infrastructural Support

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

The Innovation and Technology Commission (ITC) is committed to planning, supporting and overseeing technological infrastructural projects. During 2017-18, ITC will work with the Hong Kong Science and Technology Parks Corporation on the preparatory work for the development project of the Hong Kong/Shenzhen Innovation and Technology Park (the Park) in the Lok Ma Chau Loop (the Loop). In this connection, has the Government worked out the estimated expenditure for the development project of the Park in the Loop? If yes, what are the details? What are the expenditure items?

Asked by: Hon MO Claudia (Member Question No. 3)

Reply:

The Hong Kong Science and Technology Parks Corporation will engage consultants to study the positioning and business model, etc. of the Hong Kong/Shenzhen Innovation and Technology Park. The relevant work is still at an initial stage. The expenditure on the superstructure works will depend on factors such as the planning proposal and detailed design of the entire project. A more accurate estimate of the expenditure upon the superstructure works will be available on completion of the design work.

- End -

CONTROLLING OFFICER'S REPLY

ITB112

(Question Serial No. 1922)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (3) Promotion of Technological Entrepreneurship

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

It was mentioned in the Budget Speech that the Government would set up a \$2 billion Innovation and Technology Venture Fund (ITVF) to co-invest with private venture capital funds on a matching basis in local technology start-ups. Will the Government advise of:

- (1) the specific details, schedule and manpower of the work, operational expenses of the ITVF in 2016-17, estimated provision for each year and whether an upper limit is set;
- (2) the proposed application eligibility and method, the funding ceiling for each approved application and the estimated number of applications approved in each year; and
- (3) the criteria of the ITVF for inviting private venture capital funds, whether focus is expected to be put on the initial or later stage, the ratio of financing amount of the ITVF to that of the start-ups, and the Government's main terms and valuation approach used in the matching investment?

Asked by: Hon MOK Charles Peter (Member Question No. 9)

Reply:

A consolidated reply to various parts of the question is as follows:

We obtained funding approval of \$2 billion from the Finance Committee (FC) of the Legislative Council (LegCo) in mid-2016 to set up the Innovation and Technology Venture Fund (ITVF). The ITVF will co-invest in Hong Kong's innovation and technology (I&T) start-ups with selected venture capital (VC) funds on a matching basis at an investment ratio of about 1 to 2.

We are now formulating the relevant guidelines and criteria for selecting qualified VC funds as partners. It is expected that the ITVF can be launched in mid-2017.

We will set up a Secretariat to handle the work related to the ITVF. The Secretariat will comprise the following 5 civil service posts and 1 contract post: 1 Senior Treasury Accountant, 1 Senior Executive Officer, 1 Treasury Accountant, 1 Executive Officer I, 1 Assistant Clerical Officer and 1 contract Investment Advisor. The estimated annual recurrent expenditure for the Secretariat is \$9.1 million, which includes salary expenses and other administrative and promotional fees.

A discussion paper covering the institutional arrangements, framework for management of investments and expected benefits of the ITVF was submitted to the LegCo FC for deliberation. Please refer to the FC discussion paper for details (Paper ref.: FCR(2016-17)67) (<http://www.legco.gov.hk/yr15-16/english/fc/fc/papers/f16-67e.pdf>).

- End -

CONTROLLING OFFICER'S REPLY

ITB113

(Question Serial No. 1923)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (5) Infrastructural Support

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the development of the Hong Kong/Shenzhen Innovation and Technology Park (the Park) in the Lok Ma Chau Loop (the Loop), please advise of the following:

- (1) Are minutes of the meetings of the Joint Task Force on the Development of the Park in the Loop available? Will the minutes be uploaded online so that the public can learn about the details of discussions between Hong Kong and Shenzhen?
- (2) What are the estimated expenditure, project details and human resources involved in the development of the Park in the next 3 years?
- (3) As the contents of the project differ from that of the earlier study carried out by the Planning Department, will public consultation be conducted again? If yes, what are the details; if not, what are the reasons?

Asked by: Hon MOK Charles Peter (Member Question No. 11)

Reply:

The requested information is provided below:

- (1) The first meeting of the Joint Task Force on the Development of the Hong Kong/Shenzhen Innovation and Technology Park in the Loop was held in Shenzhen on 9 February this year. Details of the meeting were announced through a press release issued after the meeting. For details, please refer to <http://www.info.gov.hk/gia/general/201702/09/P2017020900788.htm>.
- (2) According to the current work plan, the Government expects to apply for funding from the Legislative Council in late 2017 or the beginning of 2018 the earliest, so as to commence the design work of the Advance Works (mainly provision of construction access to the Lok Ma Chau Loop (the Loop), decontamination works and establishment of ecological conservation zone) and the Main Works Package 1 (site

formation and infrastructure) of the Loop. A more accurate estimate on the expenditure of and the human resources to be deployed to the entire development project of the Loop will be available upon completion of the design work.

- (3) According to the “Memorandum of Understanding on Jointly Developing the Lok Ma Chau Loop by Hong Kong and Shenzhen” signed by Hong Kong and Shenzhen on 3 January 2017, both sides agreed to jointly develop the Loop into the Hong Kong/Shenzhen Innovation and Technology Park (the Park). A key base for co-operation in scientific research will be established, whereby relevant higher education as well as cultural and creative facilities will be constructed in the Park. The land uses in the Loop remain innovation technology, creative industries and higher education, where no deviation from the proposals announced in the Recommended Outline Development Plan in 2013 has been identified.

- End -

CONTROLLING OFFICER'S REPLY

ITB114

(Question Serial No. 1929)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (4) Planning for Innovation and Technology Development

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

It was mentioned in the Estimates that a Pilot Technology Voucher Programme would be launched under the Innovation and Technology Fund to subsidise small and medium enterprises (SMEs) in using technological services and solutions to improve productivity and upgrade or transform business processes. The Programme will provide, on a matching basis, a maximum funding of \$200,000 for each eligible SME. The estimated expenditure was \$500 million. Since the launch of the Programme up to end-January this year, 836 SMEs registered on the Programme's website and 136 applications were received. Will the Government advise of:

- (1) the respective number of applications received by the types of business mainly engaged in by the applicant enterprises and the technological services/solutions under application;
- (2) the average number of working days required for approval of applications so far upon SMEs' submission of applications;
- (3) the work plan, implementation schedule and the manpower and resources required for 2017-18;
- (4) when the \$500 million funding is expected to be exhausted and when the Programme will be reviewed;
- (5) whether it will consider introducing, for instance, a white list of advanced service providers or other measures to expedite the approval procedures; and
- (6) the expenditure already spent on publicising the "Technology Voucher" and promoting it to various industries, as well as the estimated expenditure for the coming year?

Asked by: Hon MOK Charles Peter (Member Question No. 18)

Reply:

The requested information is provided below:

- (1) As at 31 January 2017, the Innovation and Technology Commission (ITC) received a total of 136 applications under the Technology Voucher Programme (TVP). The major types of business engaged in by the applicant enterprises and the major technological services/solutions involved are as follows-

Type of business	Number of applications ^{Note}
Wholesale and retail	26
Information technology	15
Engineering	11
Import and export trade	11
Professional services	10

^{Note} Applicant enterprises may engage in more than one type of business

Technological service/solution	Number of applications ^{Note}
Document management and mobile access system	48
Enterprise resource planning solution	44
Electronic inventory management system	27
Point-of-sales system	26
Big data and cloud-based analytics solution	22

^{Note} Applications may involve more than one technological service/solution

- (2) The TVP Committee (the Committee) has so far assessed 23 eligible applications. The average time required from the receipt of applications to the enterprises being informed of the assessment results is about 30 working days.
- (3) ITC will continue to administer the TVP in 2017-18, including supporting the Committee to process the applications and vet the final project reports, arranging the disbursement of funds for completed projects, and continuing to organise briefing sessions on a need basis. The relevant work is currently taken up by 7 staff. The estimated total salary costs involved for 2017-18 is about \$5.8 million.
- (4) The \$500 million funding under the TVP can subsidise at least 2 500 small and medium enterprises. We will closely monitor the implementation of the TVP and will review its effectiveness and *modus operandi* with the Committee 2 years after the launch of the TVP, or when we foresee full commitment of \$500 million, whichever is the earlier.
- (5) In order to expedite the approval process, we are currently processing some simpler applications through streamlined procedures. For individual applications involving the use of typical technological services and solutions (currently a total of 22 items) as listed in the TVP Guidance Notes, we may consult the Committee by circulation so as to simplify the approval procedures and reduce the time required, with a view to striking a proper balance between having simple procedures and ensuring that the TVP will not be abused.
- (6) ITC has been promoting the TVP with existing resources. No breakdown of expenditure on the relevant work is available.

- End -

CONTROLLING OFFICER'S REPLY

ITB115

(Question Serial No. 1932)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (5) Infrastructural Support

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

The Hong Kong Science and Technology Parks Corporation is considering promoting smart production and research at the Tseung Kwan O Industrial Estate and developing new high-efficiency industrial buildings at an estimated project cost of \$8.2 billion, which is expected to be completed in 2021-22. Will the Government advise of:

- (1) the details of the assessment on the project's economic benefits, including the expected number of job opportunities to be brought about;
- (2) the details of the work completed by the Government for the above project, whether the design of the new buildings has been completed, the scientific research and production facilities to be included, the estimated number of companies that can be accommodated to carry out research and development, design and production, as well as the average usable floor area for each company;
- (3) the work plan, schedule, and manpower and resources required for the project in 2017-18; and
- (4) the expected financial arrangement and distribution of expenditure, such as the estimated consultation expenses, design and construction fees, etc.?

Asked by: Hon MOK Charles Peter (Member Question No. 20)

Reply:

The requested information is provided below:

- (1) The Hong Kong Science and Technology Parks Corporation (HKSTPC) will develop an Advanced Manufacturing Centre (AMC) and a Data Technology Hub (DT Hub) in the Tseung Kwan O Industrial Estate. The development cost of the AMC is estimated at \$6.633 billion. It is expected that the tenants at the AMC will employ about 2 500 innovation and technology personnel and create a value added of about \$927 million to the Hong Kong economy per year. Over the 6-year construction

period, the project would likely generate about 3 300 jobs and a value added of \$1.68 billion to the economy.

As for the DT Hub, the development cost is estimated at \$1.615 billion. It is expected that the tenants at the DT Hub will employ about 900 information and communications technology-related and supporting personnel and create a value added of about \$573 million to the Hong Kong economy per year. Over the 5-year construction period, the project would likely generate about 800 jobs in total and a value added of \$414 million to the economy.

(2) and (3)

With a gross floor area (GFA) of about 108 588m², the AMC will focus on 5 major areas: (i) medical, healthcare, and hospital devices and apparatus; (ii) biomedical engineering devices, implants and apparatus; (iii) intelligent electronic and optical apparatus; (iv) intelligent sensors and advanced assembly of semiconductors; and (v) robot electronics and intelligent power devices that dovetail with smart city development.

With a GFA of about 27 015 m², the DT Hub will mainly comprise purpose-designed infrastructure for data technology and telecommunication services and provide general supporting facilities including a business centre, showcase arena and offices, etc.

HKSTPC is carrying out the detailed design work of these 2 projects. The information on the number of companies to be accommodated and the usable floor area for each company is not yet available for the moment.

(4) The Finance Committee of the Legislative Council approved in May 2016 the financial arrangements of the 2 projects, with an injection of \$6.598 billion as equity and a provision of \$1.65 billion as a loan from the Capital Investment Fund to HKSTPC. The estimated cost already covers the consultation expenses, design and construction cost, etc.

- End -

CONTROLLING OFFICER'S REPLY

ITB116

(Question Serial No. 1934)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (5) Infrastructural Support

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

The Government indicates that implementation of Stage 1 of the Science Park Expansion Programme (SPX1) has been commenced, where the Government will inject \$2.878 billion to the Hong Kong Science and Technology Parks Corporation and provide guarantee for its commercial loan of \$1.107 billion for the expansion of the Science Park. SPX1 involves the construction of 2 building blocks (14-storey and 15-storey) on the vacant western corner of the Science Park Phase 3 site and the existing transport terminus, providing an additional floor area of 70 000 square metres for use by start-ups and other technology companies. Will the Government advise of:

- (1) the details of the work implemented by the Government for the above project last year, whether the design of the 2 buildings has been completed, the scientific research and production facilities to be included, the estimated number of companies that can be accommodated to carry out research and development, design and production, as well as the average usable floor area for each company;
- (2) whether the economic benefit of the project has been evaluated, including the expected number of job opportunities to be brought about; if yes, of the details; if not, of the reasons for that;
- (3) the work plan, schedule, and manpower and resources required in 2017-18; and
- (4) the financial arrangement and distribution of expenditure since the commencement of SPX1, such as the estimated consultation expenses, design and construction fees, etc., and the financial arrangement and distribution of expenditure on the estimated consultation expenses, design and construction fees, etc., for the entire expansion programme?

Asked by: Hon MOK Charles Peter (Member Question No. 22)

Reply:

The requested information is provided below:

- (1) The construction design for the 2 buildings of Stage 1 of the Hong Kong Science Park Expansion Programme (SPX1) has been generally completed, whereas the foundation works were commenced in August 2016. In addition to serving as offices, the buildings will reserve spaces for bare-shell laboratories. As regards the number of companies that can be accommodated and the usable floor area for each company, the Hong Kong Science and Technology Parks Corporation (HKSTPC) is now carrying out detailed planning on these matters.
- (2) In terms of economic benefits and employment opportunities, it is estimated that the economic contribution of the Hong Kong Science Park (HKSP) to Hong Kong will increase from about \$14.9 billion (assuming that Phases 1 to 3 are fully occupied) to about \$19 billion (when achieving full occupancy of Phases 1 to 3 and the expanded floor area of SPX1). Total employment (comprising direct, indirect and induced employment) brought by HKSP is expected to further increase from about 24 300 (assuming that Phases 1 to 3 are fully occupied) to about 30 600 (when achieving full occupancy of Phases 1 to 3 and the expanded floor area of SPX1).
- (3) The foundation works of SPX1 are expected to be completed within the second half of this year, whereas the main construction works are expected to commence in the same quarter for completion within 2020. HKSTPC will deploy additional manpower as appropriate to support the work of this project.
- (4) The cost of SPX1 is estimated at \$4.428 billion, the financial arrangement of which was approved by the Finance Committee of the Legislative Council in May 2016, with an injection of \$2.878 billion as equity from the Capital Investment Fund and a guarantee for a commercial loan of \$1.17 billion. HKSTPC will also finance \$443 million with its internal resources. The estimated cost already covers expenditures such as consultation expenses, design and construction fees, etc.

- End -

CONTROLLING OFFICER'S REPLY

(Question Serial No. 1948)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (1) Support for Research and Development

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

The Government announced last year that it would increase the level of cash rebate under the Research and Development (R&D) Cash Rebate Scheme to 40% to encourage private enterprises, small and medium enterprises in particular, to conduct R&D works, and extend the Public Sector Trial Scheme (PSTS) to cover incubatees of the Cyberport and the Science Park to conduct trials of their R&D results in the public sector, with a view to facilitating commercialisation of R&D results. The Innovation and Technology Commission will continue to administer the schemes. In this connection, will the Government advise of:

- (1) the number of applications received, the number of applications approved and its percentage in the total number of applications, and the average amount of cash rebate under the R&D Cash Rebate Scheme in the past 3 years;
- (2) the local public research institutions that conducted Innovation and Technology Fund projects and partnership projects respectively with cash rebate applications approved (please set out the numbers in tabular form), and the funding amount and number of projects in the past 3 years;
- (3) the increase in the number of applications and the number of applications approved after the extension of the R&D Cash Rebate Scheme last year, as well as the manpower and resources involved in handling such duties;
- (4) the number of applications received, the number of applications approved and its percentage in the total number of applications under the PSTS, the number of start-ups conducting trial projects and the trial organisations in the past 3 years (please set out the numbers in tabular form);
- (5) the number of projects with their products successfully commercialised and introduced to the market on completion of the PSTS, as well as its percentage in the total number of PSTS projects in the past 3 years; and
- (6) the increase in the number of applications and the number of applications approved after the extension of the PSTS last year, as well as the manpower and resources involved in handling such duties?

Asked by: Hon MOK Charles Peter (Member Question No. 24)

Reply:

The requested information is provided below:

- (1) For the past 3 years (i.e. 2014, 2015 and 2016), the total number of projects involving cash rebate applications was 206, 219 and 230 respectively, and all of the eligible applications were approved. The average amount of cash rebate for each project was about \$210,000, \$220,000 and \$280,000 respectively.
- (2) For the cash rebate applications involving Innovation and Technology Fund (ITF) projects and partnership projects in the past 3 years, a breakdown on the number of projects involving designated local public research institutions (i.e. excluding research and development (R&D) projects conducted by companies under the Small Entrepreneur Research Assistance Programme and the Enterprise Support Scheme) is tabulated as follows:

	No. of ITF projects (cash rebate (\$ million))			No. of partnership projects (cash rebate (\$ million))		
	2014	2015	2016	2014	2015	2016
Designated local public research institutions						
Local universities	37 (5.15)	56 (7.32)	55 (14.80)	14 (2.43)	12 (8.90)	12 (3.20)
Automotive Parts and Accessory Systems R&D Centre	5 (1.44)	10 (4.73)	7 (3.02)	0 (0)	0 (0)	0 (0)
Hong Kong R&D Centre for Logistics and Supply Chain Management Enabling Technologies	7 (2.07)	7 (1.70)	9 (2.43)	0 (0)	0 (0)	1 (0.01)
Hong Kong Research Institute of Textiles and Apparel	18 (2.25)	16 (2.50)	7 (1.15)	0 (0)	0 (0)	0 (0)
Nano and Advanced Materials Institute	7 (3.14)	15 (4.11)	25 (9.92)	2 (0.24)	15 (1.86)	12 (1.84)
Hong Kong Applied Science and Technology Research Institute	17 (4.42)	18 (4.60)	11 (4.57)	51 (8.73)	29 (3.55)	25 (6.00)
Others (including Hong Kong Productivity Council, Vocational Training Council and Hong Kong Institute of Biotechnology)	2 (0.05)	2 (0.05)	3 (0.34)	23 (5.85)	21 (3.90)	37 (8.63)
Total:	93 (18.52)	124 (25.01)	117 (36.23)	90 (17.25)	77 (18.21)	87 (19.68)

(3) Since the level of cash rebate under the R&D Cash Rebate Scheme had been increased from 30% to 40% in 2016, the total number of projects with cash rebate applications approved was 230, which was about 5% higher than that of 2015. As for partnership projects, applicants are required to pre-register with the Innovation and Technology Commission prior to commencement of the R&D projects to indicate their intention of application. The number of pre-registrations of new partnership projects in 2016 was about 120, which was higher than that of 2015 by over 25%. We expect that the number of applications and pre-registrations will continue to increase in 2017. The relevant work is absorbed by existing manpower and resources.

(4) The Public Sector Trial Scheme (PSTS) under the ITF was launched in 2011 whereby additional funding is provided to completed R&D projects funded by the ITF to cover production of prototypes/samples and the conducting of trials in the public sector. In the past 3 years, applicant organisations included R&D Centres and universities, but no incubatees. The number of applications, the number of projects approved and the trial organisations under the PSTS are detailed in the table below:

	No. of applications	No. of projects approved (percentage in total no. of applications)	Types of trial organisations
2014	41	38(93%)	<ul style="list-style-type: none"> - Government departments (e.g. Hong Kong Customs and Excise Department, Highways Department, Hong Kong Police Force) - Hospitals (e.g. Hospital Authority, Hong Kong Sanatorium & Hospital) - Elderly centres (e.g. Tung Wah Group of Hospitals) - Non-government organisations and public bodies (e.g. Hong Kong Housing Society, St. James' Settlement, Hong Kong Sports Institute) - Universities (e.g. The University of Hong Kong, The Chinese University of Hong Kong) - Trade associations/chambers of commerce (e.g. Hong Kong Intimate Apparel Industries' Association, Hong Kong Sea Transport and Logistics Association)
2015	32	30(94%)	
2016	29	18(62%)*	
3-year total	102	86(84%)	

(* number of projects approved as at end-January 2017)

(5) Since the inception of the PSTS in 2011, over 130 projects have been approved with funding of over \$210 million, benefitting 190 organisations of different categories. Around 90 of these projects have already been completed. Among the completed

projects, the R&D results of over 50 projects have reached the stages of realisation and commercialisation, including transferring the relevant technology to the industry through licensing agreements or contract research, or continued application by the relevant public sector organisations.

- (6) To strengthen support for local start-ups, we extended the PSTS in December last year to cover incubatees of the Hong Kong Science and Technology Parks Corporation and the Cyberport for trials of their products or services in the public sector. As the extended PSTS has only been rolled out for a relatively short period of time, and it also takes time for interested companies to discuss the details with the relevant public sector organisations, so far we have not received any applications from the incubatees. The operation of the PSTS is absorbed by existing manpower and resources.

- End -

CONTROLLING OFFICER'S REPLY

ITB118

(Question Serial No. 1953)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (5) Infrastructural Support

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

It is suggested in the Policy Address that an InnoCell be constructed adjacent to the Science Park to provide residential units for leasing to staff of the incubatees and start-ups in the Park. It will also be open to scientific research personnel from outside Hong Kong who work for other companies in the Park. The construction of the InnoCell is targeted to complete in 3 years. In this connection, please inform this Committee of the following:

- (1) What are the details of the work completed by the Government for the above project? Has the design of the building been completed? What are the facilities to be provided, the estimated number of residential spaces to be provided, the estimated number of residents to be accommodated, and the average residential floor area?
- (2) What are the financial arrangements and distribution of expenditure for the construction of the InnoCell, such as the estimated consultation expenses, design and construction fees, etc?
- (3) What are the requirements and eligibility for admission to the InnoCell? Has the Government assessed the economic benefits of the project, including the expected number of job opportunities to be brought about? If yes, what are the details; if no, what are the reasons?
- (4) What are the work plan, schedule and the manpower and resources required in 2017-18?

Asked by: Hon MOK Charles Peter (Member Question No. 26)

Reply:

The requested information is provided below:

- (1) The Hong Kong Science and Technology Parks Corporation (HKSTPC) is proceeding with planning, design and development cost estimate for the

InnoCell. In addition, HKSTPC is also carrying out the planning procedures under the Town Planning Ordinance.

- (2) & (4) HKSTPC is estimating the development cost and drawing up a timetable for the InnoCell. The Government will discuss the relevant financial arrangements with HKSTPC and consider providing it with appropriate financial support. We will apply for funding from the Legislative Council when specific proposals are available.
- (3) The main targets of the InnoCell are overseas employees or visitors of incubatees/tenants and partner enterprises admitted to the Hong Kong Science Park. HKSTPC will set up an assessment panel to work out the application criteria and conduct vetting work.

- End -

CONTROLLING OFFICER'S REPLY

ITB119

(Question Serial No. 1954)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (3) Promotion of Technological Entrepreneurship

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the Data Studio set up by the Hong Kong Science and Technology Parks Corporation, please inform this Committee of the following:

- (1) What are the expenditure and manpower involved in setting up the Data Studio? What is the expenditure on purchasing equipment? Please list in tabular form the equipment purchased by the Studio by costs. What are the estimated annual operating costs of the Data Studio?
- (2) Please provide a list of the existing data providers and those under negotiation. What is the estimated number of partnering data providers to be increased within this year?
- (3) Please list in tabular form the number of existing datasets by type and format. What is the estimated number of datasets to be increased within this year?
- (4) Does the Data Studio plan to co-operate with the “data.gov.hk” portal in order to increase the number of datasets and bring about synergy effect?
- (5) What are the expenditure on promoting the Data Studio and the details of the publicity activities in 2016-17? What are the estimated expenditure on promoting the Data Studio and the planned publicity activities in the coming year?

Asked by: Hon MOK Charles Peter (Member Question No. 27)

Reply:

A consolidated reply to various parts of the question is as follows:

Set up by the Hong Kong Science and Technology Parks Corporation (HKSTPC), the Data Studio is a shared data exchange platform for online or face-to-face communication. The Data Studio officially commenced operation on 16 February 2017. The existing data providers include 10 partners, such as the Airport Authority Hong Kong and the Rehabus, etc. HKSTPC has also been working closely with the Office of the Government Chief Information Officer, allowing the Data Studio to enjoy free access to all data on the

“data.gov.hk” portal. At present, along with the data on the “data.gov.hk” portal, the Data Studio portal provides almost 300 datasets covering infrastructure, environment, transportation and socio-economic areas, etc. For more details on the data providers and datasets, please refer to its portal (<http://datastudio.hkstp.org/>).

HKSTPC will promote the Data Studio through such activities as seminars, workshops, competitions and business exchanges. The upcoming major events include the City Innovation Challenge, and the Internet Economy Summit 2017 Thematic Forum, etc. The expenditure and manpower involved in the construction, operation and promotion of the Data Studio are met by HKSTPC’s internal resources. No subsidy is provided by the Government.

- End -

CONTROLLING OFFICER'S REPLY

ITB120

(Question Serial No. 1957)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (3) Promotion of Technological Entrepreneurship

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

It is mentioned on page 430 of the Estimates of Expenditure that the Innovation and Technology Commission will continue to administer the Technology Start-up Support Scheme for Universities (TSSSU) this year to provide funding support to 6 local universities to encourage their professors and students to establish technology start-ups and the commercialisation of scientific research results. Will the Government inform this Committee of the following:

- (1) Please list in tabular form the number of funded companies and the amount of funding approved since the launch of TSSSU by year, university, technology area of the company and number of staff. Are these enterprises still in operation?
- (2) What is the number of start-ups established in each year since the launch of TSSSU? How many funded enterprises are still in operation and how many have ceased operation? Please provide information on the survival rate of the funded enterprises by year. For the enterprises which have ceased operation, please provide such information as the total amount of funding, the commencement and end dates of funding and the date of operation cessation of the enterprises by university, technology area of the company and number of staff.
- (3) How many companies have had their results commercialised and launched in the market and what is the number of results commercialised and launched in the market each year since the launch of TSSSU? What are the details of the follow-up investment and international awards received by the funded enterprises?
- (4) What are the details of the Government's review on the funding arrangements in 2016-17, including the schedule, manpower and resources involved?

Asked by: Hon MOK Charles Peter (Member Question No. 28)

Reply:

The requested information is provided below:

- (1) and (2) TSSSU was launched in September 2014 to provide funding to the scientific research teams of 6 local universities in starting technology businesses. The teams of the enterprises include professors/students/alumni of the associated universities. There are over 600 members in the teams of the enterprises. However, the enterprises are not required to provide the number of their employees. In the past 3 years, a total of 122 start-ups were funded (39 of which were funded in more than 1 year), with a total amount of funding at \$65.57 million. The technology areas mainly cover information and communication technologies, biotechnology, electronics as well as nanotechnology and materials science. All the 122 start-ups are still in operation. From 2014-15 to 2016-17, 36, 40 and 46 start-ups were funded for the first time in each of the respective years. Details are set out in Annex A.
- (3) From 2014-15 to 2016-17 (as at 31 October 2016), of the 122 funded start-ups, 65 commercialised their scientific research results and over 110 products or services were rolled out in the market, 54 start-ups received follow-up investments, and 26 start-ups were presented with international awards. Details are set out in Annex B.
- (4) We reviewed the funding arrangements and effectiveness of TSSSU in 2016. The results of the review are set out in LC Paper No. CB(1)311/16-17(07). We considered that the Scheme was conducive to promoting the entrepreneurial spirit of the universities' scientific research teams and accelerating the commercialisation of research results. Therefore, we proposed to continue TSSSU from 2017-18 to 2019-20. The Panel on Commerce and Industry supported our proposal at the meeting on 20 December 2016. The review is one of the work activities under Programme (3) "Promotion of Technological Entrepreneurship". The revised estimate under Programme (3) for 2016-17 is \$19.7 million, which is mainly for salaries and departmental expenses. We do not have the breakdown of expenditure on the review.

- End -

Technology Start-up Support Scheme for Universities

[Note: N.A. denotes “Not Applicable”]

Serial No.	Universities that submitted recommendations	Name of Technology Start-ups	Technology Areas	2014-15		2015-16		2016-17		Operational Status of the Start-ups
				Number of Team Members	Amount of Funding Approved (\$'000)	Number of Team Members	Amount of Funding Approved (\$'000)	Number of Team Members	Amount of Funding Approved (\$'000)	
1	The University of Hong Kong	Accosys Limited	Information and communication technologies	N.A.	N.A.	1	600	3	150	In operation
2	The University of Hong Kong	Appedu (Holding) Limited	Information and communication technologies	5	150	5	150	N.A.	N.A.	In operation
3	The University of Hong Kong	CISC Ltd	Information and communication technologies	N.A.	N.A.	N.A.	N.A.	4	500	In operation
4	The University of Hong Kong	Comma Technology Limited	Information and communication technologies	6	300	5	100	6	100	In operation
5	The University of Hong Kong	Conzeb Limited	Biotechnology	N.A.	N.A.	N.A.	N.A.	3	500	In operation
6	The University of Hong Kong	EN Technology Limited	Nanotechnology and materials science	N.A.	N.A.	N.A.	N.A.	3	500	In operation
7	The University of Hong Kong	Eonzen Technology Company Limited	Biotechnology	N.A.	N.A.	N.A.	N.A.	6	250	In operation
8	The University of Hong Kong	Flectrode Technology Limited	Nanotechnology and materials science	N.A.	N.A.	N.A.	N.A.	5	250	In operation
9	The University of Hong Kong	Immuno Cure Limited (Great Super Limited)	Biotechnology	N.A.	N.A.	2	800	N.A.	N.A.	In operation
10	The University of Hong Kong	Hactis Limited	Information and communication technologies	N.A.	N.A.	N.A.	N.A.	3	350	In operation
11	The University of Hong Kong	Hong Kong Unific Publishing Limited	Information and communication technologies	8	450	10	200	N.A.	N.A.	In operation
12	The University of Hong Kong	ImmunoDiagnostics Limited	Biotechnology	N.A.	N.A.	N.A.	N.A.	4	500	In operation
13	The University of Hong Kong	Living Tissues Company	Biotechnology	5	820	5	600	4	300	In operation

Serial No.	Universities that submitted recommendations	Name of Technology Start-ups	Technology Areas	2014-15		2015-16		2016-17		Operational Status of the Start-ups
				Number of Team Members	Amount of Funding Approved (\$'000)	Number of Team Members	Amount of Funding Approved (\$'000)	Number of Team Members	Amount of Funding Approved (\$'000)	
		Limited								
14	The University of Hong Kong	Movabar Limited	Information and communication technologies	N.A.	N.A.	N.A.	N.A.	3	100	In operation
15	The University of Hong Kong	Novoheart Limited	Biotechnology	6	750	4	400	N.A.	N.A.	In operation
16	The University of Hong Kong	OncoSeek Limited	Biotechnology	3	650	2	300	N.A.	N.A.	In operation
17	The University of Hong Kong	OrthoSmart Limited	Biotechnology	8	680	9	400	N.A.	N.A.	In operation
18	The University of Hong Kong	Passber Limited	Information and communication technologies	2	200	2	200	N.A.	N.A.	In operation
19	The University of Hong Kong	Printact Limited	Electronics	N.A.	N.A.	3	250	4	100	In operation
20	The University of Hong Kong	SkinData Limited	Biotechnology	N.A.	N.A.	N.A.	N.A.	3	400	In operation
21	The Chinese University of Hong Kong	Accukit Technology Limited	Electronics	N.A.	N.A.	N.A.	N.A.	5	400	In operation
22	The Chinese University of Hong Kong	ACE VR Limited	Others (Ophthalmic Care and Vision Protection)	N.A.	N.A.	N.A.	N.A.	3	100	In operation
23	The Chinese University of Hong Kong	Atspin Limited	Electronics	3	510	N.A.	N.A.	N.A.	N.A.	In operation
24	The Chinese University of Hong Kong	BrainNow Medical Technology Limited	Biotechnology	N.A.	N.A.	3	300	2	100	In operation
25	The Chinese University of Hong Kong	C4Cat Entertainment Limited	Information and communication technologies	N.A.	N.A.	10	300	10	200	In operation
26	The Chinese University of Hong Kong	Codex Genetics Limited	Biotechnology	4	500	4	300	5	200	In operation
27	The Chinese University of Hong Kong	CUREhab Limited	Information and communication technologies	N.A.	N.A.	N.A.	N.A.	3	400	In operation
28	The Chinese University of Hong Kong	CuttingEdge MedTech Limited	Biotechnology	N.A.	N.A.	3	300	3	100	In operation
29	The Chinese University of Hong Kong	DecaSense Technology Limited	Electronics	N.A.	N.A.	N.A.	N.A.	3	400	In operation
30	The Chinese University of Hong Kong	DG Care Limited	Electronics	N.A.	N.A.	N.A.	N.A.	4	300	In operation
31	The Chinese University of	Edvant Company	Information and	N.A.	N.A.	5	100	N.A.	N.A.	In operation

Serial No.	Universities that submitted recommendations	Name of Technology Start-ups	Technology Areas	2014-15		2015-16		2016-17		Operational Status of the Start-ups
				Number of Team Members	Amount of Funding Approved (\$'000)	Number of Team Members	Amount of Funding Approved (\$'000)	Number of Team Members	Amount of Funding Approved (\$'000)	
	Hong Kong	Limited	communication technologies							
32	The Chinese University of Hong Kong	GEMVCare Limited	Biotechnology	4	490	3	340	N.A.	N.A.	In operation
33	The Chinese University of Hong Kong	Hawkeyes Solutions Limited	Logistics and supply chain management	N.A.	N.A.	N.A.	N.A.	2	300	In operation
34	The Chinese University of Hong Kong	Health View Bioanalytic Limited	Biotechnology	N.A.	N.A.	2	300	2	100	In operation
35	The Chinese University of Hong Kong	HippoTuring Technologies Company Limited	Biotechnology	4	500	4	300	N.A.	N.A.	In operation
36	The Chinese University of Hong Kong	HSK GeneTech Limited	Biotechnology	3	510	3	300	N.A.	N.A.	In operation
37	The Chinese University of Hong Kong	HyperLab Limited	Information and communication technologies	2	490	N.A.	N.A.	N.A.	N.A.	In operation
38	The Chinese University of Hong Kong	Lione Limited	Textiles/Apparel/Footwear	N.A.	N.A.	5	100	N.A.	N.A.	In operation
39	The Chinese University of Hong Kong	Opinion Network Limited	Information and communication technologies	N.A.	N.A.	N.A.	N.A.	3	300	In operation
40	The Chinese University of Hong Kong	Precision Instrument and Optics Limited	Biotechnology	5	500	5	430	5	100	In operation
41	The Chinese University of Hong Kong	RegCourse Limited	Information and communication technologies	N.A.	N.A.	N.A.	N.A.	3	400	In operation
42	The Chinese University of Hong Kong	SicureLabs Company Limited	Electronics	N.A.	N.A.	3	300	N.A.	N.A.	In operation
43	The Chinese University of Hong Kong	Stapworks Stem Cell Limited	Biotechnology	N.A.	N.A.	1	300	6	100	In operation
44	The Chinese University of Hong Kong	Unitinno Architectural Technology Development Company Limited	Others (Construction)	N.A.	N.A.	N.A.	N.A.	7	400	In operation
45	The Chinese University of	VisionNav Robotics	Advanced manufacturing	N.A.	N.A.	5	300	7	100	In operation

Serial No.	Universities that submitted recommendations	Name of Technology Start-ups	Technology Areas	2014-15		2015-16		2016-17		Operational Status of the Start-ups
				Number of Team Members	Amount of Funding Approved (\$'000)	Number of Team Members	Amount of Funding Approved (\$'000)	Number of Team Members	Amount of Funding Approved (\$'000)	
	Hong Kong	Limited	technology/Process development							
46	City University of Hong Kong	Air Button Technology Limited	Electronics	N.A.	N.A.	1	170	2	770	In operation
47	City University of Hong Kong	Animae Technologies Limited	Information and communication technologies	2	480	N.A.	N.A.	N.A.	N.A.	In operation
48	City University of Hong Kong	BeVoid Limited	Information and communication technologies	N.A.	N.A.	3	250	N.A.	N.A.	In operation
49	City University of Hong Kong	C4Cat Entertainment Limited	Information and communication technologies	10	180	N.A.	N.A.	N.A.	N.A.	In operation
50	City University of Hong Kong	CINME TECH LIMITED	Nanotechnology and materials science	4	720	4	510	N.A.	N.A.	In operation
51	City University of Hong Kong	Clothclip International Limited	Information and communication technologies	4	600	N.A.	N.A.	N.A.	N.A.	In operation
52	City University of Hong Kong	GlobeXchange Co. Limited	Information and communication technologies	5	390	N.A.	N.A.	N.A.	N.A.	In operation
53	City University of Hong Kong	Hands Life Science Limited	Biotechnology	N.A.	N.A.	N.A.	N.A.	11	830	In operation
54	City University of Hong Kong	Hong Kong Bilingual Learning and Translation Studies Association Co. Limited	Information and communication technologies	3	230	N.A.	N.A.	N.A.	N.A.	In operation
55	City University of Hong Kong	Jacky Instruments Limited	Electronics	N.A.	N.A.	4	340	5	750	In operation
56	City University of Hong Kong	Kung Fu Motion Limited	Information and communication technologies	3	600	2	510	3	350	In operation
57	City University of Hong Kong	MindLayer Limited	Information and communication technologies	N.A.	N.A.	N.A.	N.A.	3	400	In operation
58	City University of Hong Kong	New System Technologies Limited	Information and communication technologies	N.A.	N.A.	4	360	N.A.	N.A.	In operation
59	City University of Hong Kong	NoPhish Technology	Information and	N.A.	N.A.	1	510	3	500	In operation

Serial No.	Universities that submitted recommendations	Name of Technology Start-ups	Technology Areas	2014-15		2015-16		2016-17		Operational Status of the Start-ups
				Number of Team Members	Amount of Funding Approved (\$'000)	Number of Team Members	Amount of Funding Approved (\$'000)	Number of Team Members	Amount of Funding Approved (\$'000)	
		Limited	communication technologies							
60	City University of Hong Kong	ProHub LIMITED	Information and communication technologies	N.A.	N.A.	3	340	N.A.	N.A.	In operation
61	City University of Hong Kong	Spreadfast Interactive Limited	Electronics	5	280	4	290	N.A.	N.A.	In operation
62	City University of Hong Kong	Teorema Limited	Information and communication technologies	N.A.	N.A.	7	360	N.A.	N.A.	In operation
63	City University of Hong Kong	The Worldpath Limited	Information and communication technologies	5	520	7	360	N.A.	N.A.	In operation
64	City University of Hong Kong	V&R Laboratory Limited	Information and communication technologies	N.A.	N.A.	N.A.	N.A.	3	400	In operation
65	The Hong Kong University of Science and Technology	Acoustic Metamaterials Company Limited	Nanotechnology and materials science	3	600	2	500	N.A.	N.A.	In operation
66	The Hong Kong University of Science and Technology	AI Egen Biotech Co., Limited	Biotechnology	N.A.	N.A.	N.A.	N.A.	3	500	In operation
67	The Hong Kong University of Science and Technology	Ananflow Technology Limited	Information and communication technologies	3	450	N.A.	N.A.	N.A.	N.A.	In operation
68	The Hong Kong University of Science and Technology	beNovelty Limited	Information and communication technologies	N.A.	N.A.	N.A.	N.A.	5	200	In operation
69	The Hong Kong University of Science and Technology	CoilEasy Technologies Limited	Electronics	N.A.	N.A.	N.A.	N.A.	3	500	In operation
70	The Hong Kong University of Science and Technology	Compathnion Technology Limited	Information and communication technologies	N.A.	N.A.	N.A.	N.A.	5	400	In operation
71	The Hong Kong University of Science and Technology	DelTron Intelligence Technology Limited	Electronics	N.A.	N.A.	N.A.	N.A.	5	500	In operation
72	The Hong Kong University of Science and Technology	eTron Electronic Materials (Hong Kong) Co. Limited	Information and communication technologies	N.A.	N.A.	2	700	N.A.	N.A.	In operation
73	The Hong Kong University of Science and Technology	Everest Innovation Technology Limited	Information and communication technologies	7	600	7	300	N.A.	N.A.	In operation
74	The Hong Kong University of	Free Flow Technology	Energy	N.A.	N.A.	4	200	N.A.	N.A.	In operation

Serial No.	Universities that submitted recommendations	Name of Technology Start-ups	Technology Areas	2014-15		2015-16		2016-17		Operational Status of the Start-ups
				Number of Team Members	Amount of Funding Approved (\$'000)	Number of Team Members	Amount of Funding Approved (\$'000)	Number of Team Members	Amount of Funding Approved (\$'000)	
	Science and Technology	Limited								
75	The Hong Kong University of Science and Technology	Hong Kong Innovative Display Technology Limited	Nanotechnology and materials science	4	400	4	200	N.A.	N.A.	In operation
76	The Hong Kong University of Science and Technology	iVo Technologies Company Limited	Electronics	6	400	N.A.	N.A.	N.A.	N.A.	In operation
77	The Hong Kong University of Science and Technology	Jetcomm Technologies Limited	Electronics	N.A.	N.A.	8	450	N.A.	N.A.	In operation
78	The Hong Kong University of Science and Technology	Mindvivid Limited	Biotechnology	N.A.	N.A.	N.A.	N.A.	6	200	In operation
79	The Hong Kong University of Science and Technology	MultiMedia Big Data Analytics Ltd.	Information and communication technologies	N.A.	N.A.	N.A.	N.A.	4	200	In operation
80	The Hong Kong University of Science and Technology	NanoBioImaging Limited	Biotechnology	5	600	7	500	N.A.	N.A.	In operation
81	The Hong Kong University of Science and Technology	NovaMatrix Limited	Biotechnology	N.A.	N.A.	N.A.	N.A.	3	500	In operation
82	The Hong Kong University of Science and Technology	Pear Limited	Information and communication technologies	N.A.	N.A.	N.A.	N.A.	4	500	In operation
83	The Hong Kong University of Science and Technology	Seasafe Limited	Biotechnology	N.A.	N.A.	N.A.	N.A.	4	500	In operation
84	The Hong Kong University of Science and Technology	Sonikure Technology Limited	Biotechnology	N.A.	N.A.	6	700	N.A.	N.A.	In operation
85	The Hong Kong University of Science and Technology	Yfisoft Limited	Information and communication technologies	6	450	7	450	N.A.	N.A.	In operation
86	Hong Kong Baptist University	ANA Artwork Material Analysis Company Limited	Testing and certification	4	450	4	1,080	4	960	In operation
87	Hong Kong Baptist University	Booguu Company Limited	Biotechnology	N.A.	N.A.	N.A.	N.A.	4	800	In operation
88	Hong Kong Baptist University	Cathay Photonics Limited	Nanotechnology and materials science	4	1,000	4	1,080	4	1,160	In operation

Serial No.	Universities that submitted recommendations	Name of Technology Start-ups	Technology Areas	2014-15		2015-16		2016-17		Operational Status of the Start-ups
				Number of Team Members	Amount of Funding Approved (\$'000)	Number of Team Members	Amount of Funding Approved (\$'000)	Number of Team Members	Amount of Funding Approved (\$'000)	
89	Hong Kong Baptist University	Flow Imaging Technology Limited	Environmental protection	3	1,000	N.A.	N.A.	N.A.	N.A.	In operation
90	Hong Kong Baptist University	OPER Technology Limited	Biotechnology	2	1,100	2	1,100	2	1,080	In operation
91	Hong Kong Baptist University	R & P Technology Limited	Biotechnology	2	450	2	740	N.A.	N.A.	In operation
92	The Hong Kong Polytechnic University	Acoustics Innovation Limited	Environmental protection	N.A.	N.A.	2	100	N.A.	N.A.	In operation
93	The Hong Kong Polytechnic University	Advwhere Limited	Information and communication technologies	N.A.	N.A.	2	100	N.A.	N.A.	In operation
94	The Hong Kong Polytechnic University	AlikeAudience (Hong Kong) Limited	Information and communication technologies	N.A.	N.A.	N.A.	N.A.	3	500	In operation
95	The Hong Kong Polytechnic University	Alps Robot Limited	Others (Robotics)	N.A.	N.A.	N.A.	N.A.	2	100	In operation
96	The Hong Kong Polytechnic University	Amazing Trace Technologies Limited	Information and communication technologies	N.A.	N.A.	1	100	N.A.	N.A.	In operation
97	The Hong Kong Polytechnic University	Cognix Limited	Information and communication technologies	N.A.	N.A.	2	100	N.A.	N.A.	In operation
98	The Hong Kong Polytechnic University	Control Free Limited	Electronics	N.A.	N.A.	2	100	N.A.	N.A.	In operation
99	The Hong Kong Polytechnic University	Creazine Limited	Information and communication technologies	N.A.	N.A.	8	100	N.A.	N.A.	In operation
100	The Hong Kong Polytechnic University	dEyeY Inno Tech Limited	Information and communication technologies	N.A.	N.A.	N.A.	N.A.	2	100	In operation
101	The Hong Kong Polytechnic University	Dr Coach Education Technology Limited	Information and communication technologies	N.A.	N.A.	5	100	N.A.	N.A.	In operation
102	The Hong Kong Polytechnic University	Hocfu Technology Limited	Information and communication technologies	N.A.	N.A.	N.A.	N.A.	3	500	In operation
103	The Hong Kong Polytechnic University	Holumino Limited	Information and communication technologies	N.A.	N.A.	2	100	3	500	In operation
104	The Hong Kong Polytechnic	I Pet Interactive	Information and	N.A.	N.A.	2	100	N.A.	N.A.	In operation

Serial No.	Universities that submitted recommendations	Name of Technology Start-ups	Technology Areas	2014-15		2015-16		2016-17		Operational Status of the Start-ups
				Number of Team Members	Amount of Funding Approved (\$'000)	Number of Team Members	Amount of Funding Approved (\$'000)	Number of Team Members	Amount of Funding Approved (\$'000)	
	University	Technology (HK) Co., Limited	communication technologies							
105	The Hong Kong Polytechnic University	Inno Frontage Limited	Information and communication technologies	N.A.	N.A.	3	100	N.A.	N.A.	In operation
106	The Hong Kong Polytechnic University	InReader Limited	Information and communication technologies	N.A.	N.A.	N.A.	N.A.	2	100	In operation
107	The Hong Kong Polytechnic University	Jobdoh Limited	Information and communication technologies	N.A.	N.A.	1	1,000	2	500	In operation
108	The Hong Kong Polytechnic University	Look Incorporation Limited	Information and communication technologies	N.A.	N.A.	N.A.	N.A.	3	100	In operation
109	The Hong Kong Polytechnic University	MCTIPSS Limited	Information and communication technologies	N.A.	N.A.	N.A.	N.A.	3	100	In operation
110	The Hong Kong Polytechnic University	Microenergy Development Limited	Information and communication technologies	N.A.	N.A.	N.A.	N.A.	3	100	In operation
111	The Hong Kong Polytechnic University	MineCos Limited	Information and communication technologies	N.A.	N.A.	N.A.	N.A.	2	100	In operation
112	The Hong Kong Polytechnic University	Nearko Limited	Information and communication technologies	N.A.	N.A.	N.A.	N.A.	6	100	In operation
113	The Hong Kong Polytechnic University	Next Wifi Technologies Ltd.	Information and communication technologies	N.A.	N.A.	N.A.	N.A.	3	500	In operation
114	The Hong Kong Polytechnic University	Parallax Technologies Limited	Information and communication technologies	N.A.	N.A.	3	100	N.A.	N.A.	In operation
115	The Hong Kong Polytechnic University	Phi Info (Hong Kong) Limited	Information and communication technologies	N.A.	N.A.	2	100	N.A.	N.A.	In operation
116	The Hong Kong Polytechnic University	PlusD Technology Limited	Information and communication technologies	N.A.	N.A.	1	100	N.A.	N.A.	In operation
117	The Hong Kong Polytechnic University	R-Guardian Limited	Electronics	N.A.	N.A.	2	100	N.A.	N.A.	In operation
118	The Hong Kong Polytechnic University	Superluminal Technology Limited	Information and communication technologies	N.A.	N.A.	3	100	N.A.	N.A.	In operation
119	The Hong Kong Polytechnic	Techlabs Holdings	Information and	N.A.	N.A.	N.A.	N.A.	4	500	In operation

Serial No.	Universities that submitted recommendations	Name of Technology Start-ups	Technology Areas	2014-15		2015-16		2016-17		Operational Status of the Start-ups
				Number of Team Members	Amount of Funding Approved (\$'000)	Number of Team Members	Amount of Funding Approved (\$'000)	Number of Team Members	Amount of Funding Approved (\$'000)	
	University	Limited	communication technologies							
120	The Hong Kong Polytechnic University	Ultimate Sports Hub Limited	Information and communication technologies	N.A.	N.A.	N.A.	N.A.	3	100	In operation
121	The Hong Kong Polytechnic University	Vision Science and Technology Company Limited	Others (Visual technology)	N.A.	N.A.	N.A.	N.A.	3	100	In operation
122	The Hong Kong Polytechnic University	Zunosaki Limited	Electronics	N.A.	N.A.	3	100	N.A.	N.A.	In operation
			Total	158	19,000	247	22,570	257	24,000	122
			Number of Start-ups Funded for the First Time	36		40		46		

Technology Start-up Support Scheme for Universities

Achievements of Start-ups	2014-15	2015-16	2016-17 (as at 31 October 2016)	Total	Details
No. of start-ups that have commercialised the research and development results and rolled out their products or services in the market	17	42	31	65	From 2014-15 to 2016-17 (as at 31 October 2016), over 110 products or services were rolled out in the market by 65 start-ups, 25 of which had their products or services rolled out in the market in more than 1 year.
No. of start-ups that have received follow-up investments <i>(Total amount of funding raised)</i>	14 <i>(\$34.2 million)</i>	30 <i>(\$55.32 million)</i>	21 <i>(\$25.06 million)</i>	54 <i>(\$114.58 million)</i>	From 2014-15 to 2016-17 (as at 31 October 2016), 54 start-ups received follow-up investments, 11 of which received follow-up investments in more than 1 year. Major sources of these capitals were funding provided by the Government and the public sector, private injection by team members and company shareholders as well as other private investments (such as private equity funds, venture capital funds, angel investors, private investments), etc.
No. of start-ups presented with international awards	1	14	11	26	From 2014-15 to 2016-17 (as at 31 October 2016), the international awards received include the 2015 Top 100 Global by Red Herring as well as those received at the International Exhibition of Inventions Geneva in 2016, namely the Grand

					Prix International Invention Award (highest honour), a Gold Medal (Computer Sciences Category) and a Gold Medal (Surgery Category).
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CONTROLLING OFFICER'S REPLY**ITB121****(Question Serial No. 1960)**

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (3) Promotion of Technological Entrepreneurship

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the Hong Kong Science Park (HKSP)'s efforts in nurturing technology enterprises and promoting applied innovation and technology (I&T), please advise on the following:

(1) The 3 incubation programmes of HKSP (Incu-App, Incu-Tech and Incu-Bio)

	2015-16	2016-17
Operating expenditure of this programme (HK\$ million)		
Number of companies applied for admission to the programme		
Average time required for processing an application (working days)		
Percentage of successful applications		
Number of companies admitted to the programme (incubatees)		
Cumulative total number of incubatees		
Average amount of financial		

assistance received by each incubatee (HK\$ million)		
Number of patents registered or patent applications filed by the incubatees		
Average number of full-time employees of each incubatee		
Average salary of a full-time employee of an incubatee		
Number of incubatees rated as “failing to meet the business targets” in the regular milestone assessment		
Number of incubatees previously participated in the programme but has ceased operation		
Percentage of incubatees still in business in Hong Kong 3 years after graduation in the total number of incubatees		
Number of cases in which the incubatees’ projects received follow-up fund injections		
Average amount of investment obtained by those projects receiving follow-up fund injections (HK\$ million)		
Percentage of incubatees receiving follow-up fund injections in the total number of incubatees		
Source of investment funds received by the projects of incubatees (e.g. angel, venture capital, I&T venture funds)		
Number of graduated incubatees which were listed or acquired, or entered into		

joint ventures, or had spin-off projects		
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(2) Leading Enterprises Acceleration Programme

	2015-16	2016-17
Operating expenditure of this programme (HK\$ million)		
Number of companies applied for admission to the programme		
Number of participating enterprises whose business nature was “web/mobile applications”		
Amount of financial assistance		
Number of participating enterprises which were “incubatees of the Hong Kong Science and Technology Parks Corporation (HKSTPC)’s incubation programmes”		
Number of participating enterprises which were “graduates of the incubation programmes”		
Number of participating enterprises which were “current partner enterprises in HKSP”		
Number of participating enterprises which were not accommodated in HKSTPC		
Percentage of participating enterprises still in business in Hong Kong 3 years after graduation in the total number of companies		

Number of cases in which the participating enterprises' projects received follow-up fund injections		
Average amount of investment obtained by those projects receiving follow-up fund injections (HK\$ million)		
Percentage of participating enterprises receiving follow-up fund injections in the total number of companies		
Source of investment funds received by the participating enterprises (e.g. angel, venture capital, I&T venture funds)		
Number of initial public offerings launched by participating enterprises		

- (3) What is the number of collaborations between technology enterprises and leading enterprises/blue-chip companies in Hong Kong fostered by the "Technologies from Science Park" programme since its launch in March 2015? (Please set out by types of technological solution). Will additional resources be allocated to encourage more local enterprises to adopt technological solutions from local technology start-ups in 2017-18? What are the details, expenditure and targets?

Asked by: Hon MOK Charles Peter (Member Question No. 30)

Reply:

The requested information is provided below:

- (1) The 3 incubation programmes of the Hong Kong Science Park (HKSP) (Incu-App, Incu-Tech and Incu-Bio)

	2015-16	2016-17 (as at January 2017)
Operating expenditure of this programme (HK\$ million) (Note 1)	5.72	5.67

Number of companies applied for admission to the programme	283	158
Average time required for processing an application (working days)	The programme undertakes to process an application within 52 working days, which has all along been achievable	The programme undertakes to process an application within 52 working days, which has all along been achievable
Percentage of successful applications	48%	65%
Number of successful applicant companies (incubatees)	133	106
Cumulative total number of incubatees	815	921
Annual total amount of financial assistance received by the incubatees (HK\$ million) (Note 1)	7.24	8.67
Number of patents registered or patent applications filed by the incubatees	78	41
Average number of full-time employees of each incubatee	3.7	3.4
Average salary of a full-time employee of an incubatee (Note 2)	-	-
Number of incubatees rated as “failing to meet the business targets” in the regular milestone assessment	0	1
Number of incubatees previously participated in the programme but has ceased operation (Note 3)	100	117
Percentage of incubatees still in business in Hong Kong 3 years after graduation in the total number of incubatees (Note 4)	75%	74%

Number of cases in which the incubatees' projects received follow-up fund injections (Note 1) (Note 5)	26	17
Average amount of investment obtained by those projects receiving follow-up fund injections (HK\$ million) (Note 1) (Note 5)	12.42	16.88
Percentage of incubatees receiving follow-up fund injections in the total number of incubatees (Note 1) (Note 5) (Note 6)	22.8%	22%
Source of investment funds received by the projects of incubatees (e.g. angel, venture capital, I&T venture funds) (Note 1)	23 from angel investors; 3 from venture capital	11 from angel investors; 6 from venture capital
Number of graduated incubatees which were listed or acquired, or entered into joint ventures, or had spin-off projects (Note 1)	0	5 acquisition projects

(2) Leading Enterprises Acceleration Programme (LEAP)

	2015-16	2016-17 (as at January 2017)
Operating expenditure of this programme (HK\$ million) (Note 1)	5.72	5.67
Number of companies applied for admission to the programme	34	30
Number of participating enterprises whose business nature was "web/mobile applications"	4	6
Annual total amount of financial assistance received by the participating companies	7.24	8.67

(Note 1)		
Number of participating enterprises which were “incubatees of the Hong Kong Science and Technology Parks Corporation (HKSTPC)’s incubation programmes”	5	9
Number of participating enterprises which were “graduates of the incubation programmes”	7	7
Number of participating enterprises which were “current partner enterprises in HKSP”	1	2
Number of participating enterprises which were not accommodated in HKSTPC	At present, companies previously participated in the incubation programmes or current partner enterprises in HKSP are eligible for participation in the LEAP	At present, companies previously participated in the incubation programmes or current partner enterprises in HKSP are eligible for participation in the LEAP
Percentage of participating enterprises still in business in Hong Kong 3 years after graduation in the total number of companies	The first batch of companies graduated in 2016, thus relevant statistics are not available	The first batch of companies graduated in 2016, thus relevant statistics are not available
Number of cases in which the participating enterprises’ projects received follow-up fund injections (Note 1) (Note 5)	26	17
Average amount of investment obtained by those projects receiving follow-up fund injections (HK\$ million) (Note 1) (Note 5)	12.42	16.88
Percentage of participating enterprises receiving follow-up fund injections in the total number of companies (Note 1) (Note 5) (Note 6)	22.8%	22%

Source of investment funds received by the participating enterprises (e.g. angel, venture capital, I&T venture funds) (Note 1)	23 from angel investors; 3 from venture capital	11 from angel investors; 6 from venture capital
Number of participating enterprises which were listed or acquired, or entered into joint ventures, or had spin-off projects (Note 1)	0	5 acquisition projects

Note 1: The figure refers to the total under the incubation programmes and the LEAP. As both incubation programmes and the LEAP mainly target at incubatees, among which part of the services and resources are shared, a breakdown of them is not available.

Note 2: Relevant statistics are not available.

Note 3: HKSTPC only tracks the operation of incubatees that have successfully graduated. Therefore the figures only include the cumulative number of companies having successfully graduated from the programme. Companies which have been merged/acquired are considered as having ceased operation.

Note 4: The figure represents the cumulative percentage based on all the graduates, irrespective of their duration of operation. Companies which have been merged/acquired are considered as having ceased operation.

Note 5: Based on investment cases involving more than HK\$400,000 recorded by HKSTPC, including graduates.

Note 6: The figure refers to the ratio of the cumulative number of investment cases to the cumulative total of incubatees at that time.

- (3) Since the launch of the “Technologies from Science Park” programme, HKSTPC has established partnership with 18 leading local enterprises/public organisations (e.g. the Airport Authority Hong Kong and the Mass Transit Railway Corporation, etc). Representatives from these enterprises/organisations have been arranged to meet with over 190 technology companies from HKSP to identify technological applications which can enhance economic efficiency. A cumulative total of over 200 meetings and presentations have been held by HKSTPC under the programme, fostering over 170 proposals, of which 16 solutions have been adopted and applied in the retail, public transport and energy industries, etc.

In 2017-18, HKSTPC will continue to establish partnership with enterprises and public organisations. Negotiations with organisations in the banking, insurance and medical sectors are underway. The Expenditure involved in the “Technologies from Science Park” programme is met by HKSTPC’s internal resources. No additional subsidy is provided by the Government.

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CONTROLLING OFFICER'S REPLY

ITB122

(Question Serial No. 5179)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: Not Specified

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding promoting the adoption of information and communications technology solutions among small and medium enterprises (SMEs) to enhance innovativeness and productivity, please advise on the following:

- (1) Did the Government provide training courses and seminars to SMEs of different sectors for understanding the technological solutions of the enterprises funded by the Innovation and Technology Commission and encouraging the adoption of technological solutions to enhance efficiency in 2016-17? If yes, what are the details, attendance and expenditure of the activities?
- (2) Has the Government planned to provide free training courses on cloud applications to SMEs of different sectors and enhance the awareness of SMEs on innovation and technology (I&T) to allow a better understanding on the benefits of using I&T and how to choose solutions, so as to support SMEs interested in applying for the Technology Voucher Programme in 2017-18?

Asked by: Hon MOK Charles Peter (Member Question No. 123)

Reply:

The requested information is provided below:

- (1) Through the provision of an annual funding to the Hong Kong Productivity Council (HKPC), the Innovation and Technology Commission (ITC) supports HKPC to provide one-stop solutions to different industries, in particular the manufacturing industry and related service industries, to enhance their technology level as well as promote their innovation and sustainable development. Such work includes promoting the adoption of information and communications technology solutions by SMEs through organising training courses and seminars, such as cloud applications,

SME mobile solutions, new business model for the retail industry and FinTech-related applications, etc. In 2016-17, the relevant activities attracted about 2 000 industry participants. As the activities were organised by HKPC, figures on the expenditure for individual activities are not available.

- (2) In 2017-18, HKPC plans to organise free training courses on cloud applications, covering cloud technologies, software, SME office solutions, etc., on a quarterly basis to help SMEs enhance business efficiency through the use of cloud technologies.

In addition, to enhance SMEs' understanding on the Technology Voucher Programme (TVP), as at mid-February 2017, ITC organised 9 briefing sessions to explain the TVP to SMEs and the industry. The briefing sessions attracted over 1 300 participants. In 2017-18, ITC will consider to continue organising relevant briefings in 2017-18 as needed.

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CONTROLLING OFFICER'S REPLY

ITB123

(Question Serial No. 5180)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (1) Support for Research and Development

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

With regard to the operation of the Guangdong-Hong Kong Technology Co-operation Funding Scheme (TCFS), will the Government inform this Committee of:

- (1) the names of all funded projects, the respective funding amount and the annual total amount of funding in 2016-17 by the following categories:

Category A - projects solicited, vetted and funded solely by Hong Kong

Category A(1) - projects solicited, vetted and monitored by the research and development (R&D) Centres; and

Category A(2) - projects solicited, vetted and monitored by the Innovation and Technology Commission

Category B - projects solicited, vetted and funded solely by Guangdong/ Shenzhen

Category C - projects jointly solicited, vetted and funded by Guangdong and Hong Kong

Category C(1) - projects jointly funded by Guangdong and Hong Kong; and

Category C(2) - projects jointly funded by Shenzhen and Hong Kong

- (2) the estimated number of approved TCFS projects in 2017-18, and the estimated amount of funding from the Innovation and Technology Fund;
- (3) the details of realisation and commercialisation of R&D outcomes of the funded projects; and
- (4) the number and contents of trials of TCFS projects through the Public Sector Trial Scheme in 2016-17, and the estimated number of trial projects in 2017-18?

Asked by: Hon MOK Charles Peter (Member Question No. 125)

Reply:

The requested information is provided below:

- (1) A total of 9 Guangdong-Hong Kong Technology Co-operation Funding Scheme projects (TCFS projects) were funded in 2016-17 with a total funding amount of around \$12 million. The project information is as follows:

	Project title	Funding amount (\$'000)	Category
1.	Development of Antibacterial Stainless Steel Surgical and Related Instruments and their Clinical Applications	540	C(2)
2.	Intelligent 3D Perception for Robots in Complex Environment with Active Interaction	2,250	C(1)
3.	Optimization, Synthesis and Pharmacological Characterizations of Multi-functional NMDA Receptor Antagonists Derived from Memantine	1,431	C(1)
4.	Next-generation High Throughput Diagnostics-on-a-chip System Based On Droplet Microfluidics	2,164	C(1)
5.	Development of Environmental Friendly and Self-adaptive Breathable Polyurethane Film	980	C(1)
6.	Establishment of a T-cell Therapeutic Platform Targeting Prostate Cancer Stem Cells	983	C(1)
7.	Research and Development of the Key Technology towards Novel Colchicine Drug Modification	900	C(1)
8.	Research and Application of a Novel Lightweight and High Strength Nanocomposites Hull for Unmanned Surface Vehicle	1,500	C(1)
9.	Technological and System Development of a New Purification Process for Multiple Air Pollutants	1,110	C(1)

- (2) We expect that 15 TCFS projects will be approved in 2017-18, involving a funding of about \$46 million from the Innovation and Technology Fund (ITF).
- (3) Industry sponsorship is required for all funded projects. The intellectual property rights generated from collaborative projects are generally vested with the industry co-applicants, and the results of such projects will be generally adopted by industry partners. Given that the commercialisation of collaborative project results involve sensitive commercial information, it is not appropriate for us to disclose the details. As for platform projects, a number of the research and development (R&D) results have been adopted by the industry through licensing arrangements. Among the 65 platform projects completed in the past 5 years, 17 of which were realised or commercialised through licensing arrangements or the Public Sector Trial Scheme (PSTS), etc.

- (4) A total of 3 projects were funded for trials under the PSTS in 2016-17. The project information is as follows:

	Project title	Funding amount (\$'000)
1.	Scalable IPTV and Interactive-movie Platforms for Ubiquitous Multimedia Streaming	679
2.	Research and Development of US-MRI Fusion Based Targeted Prostate Biopsy Systems: Planning, Training and Intelligent Intraoperative Guidance	1,477
3.	Interactive Exoskeleton Robot for Walking	1,491

In addition to the TCFS, the PSTS is also applicable to a number of R&D funding programmes under the ITF. We have not estimated the number of applications for trials under individual funding programmes.

- End -

CONTROLLING OFFICER'S REPLY

ITB124

(Question Serial No. 5181)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (4) Planning for Innovation and Technology Development

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

With regard to supporting technology co-operation with the Mainland and other overseas economies, please list in tabular form:

- (1) the information of the activities/visits/projects related to the Mainland organised, participated, co-organised or promoted by the Innovation and Technology Commission (ITC) in the past year, including the names of the activities, organisers, participating organisations and number of participants, details and nature, venues and dates of the activities, number of attending staff from the Office of the Government Chief Information Officer (OGCIO) and their post titles, relevant expenditure, amount of government subsidy (if any); the details of the planned activities in 2017-18 that fit in with the above category;
- (2) the information of the activities/visits/projects related to countries and regions along the Belt and Road organised, participated, co-organised or promoted by ITC in the past year, including the names of the activities, organisers, participating organisations and number of participants, details and nature, venues and dates of the activities, number of attending staff from OGCIO and their post titles, relevant expenditure, amount of government subsidy (if any); the details of the planned activities in 2017-18 which fit in with the above category;
- (3) the information of the activities/visits/projects related to the European regions organised, participated, co-organised or promoted by ITC in the past year, including the names of the activities, organisers, participating organisations and number of participants, details and nature, venues and dates of the activities, number of attending staff from OGCIO and their post titles, relevant expenditure, amount of government subsidy (if any); the details of the planned activities in 2017-18 which fit in with the above category;

- (4) the information of the activities/visits/projects related to the Americas organised, participated, co-organised or promoted by ITC in the past year, including the names of the activities, organisers, participating organisations and number of participants, details and nature, venues and dates of the activities, number of attending staff from OGCI and their post titles, relevant expenditure, amount of government subsidy (if any); the details of the planned activities in 2017-18 which fit in with the above category; and
- (5) the expenditure and details of the work on “strengthening technology co-operation with the Mainland through established co-operation mechanisms” as mentioned under Programme (4).

Asked by: Hon MOK Charles Peter (Member Question No. 127)

Reply:

The requested information is provided below:

- (1) Details of the activities related to the Mainland organised/co-organised/participated by the Innovation and Technology Commission (ITC) in 2016-17 are as follows:

Name of activity	Organiser	Participating organisation and number of participants	Details and nature	Venue and date of activity	Number of attending staff from ITC and their post titles	Relevant expenditure	Amount of government subsidy (if any)
SmartHK	Hong Kong: Hong Kong Trade Development Council (HKTDC) Mainland: Various government authorities	Nearly 11 000 participants visited the exhibition, including Mainland enterprise manufacturers and industry practitioners (according to the latest information announced by the organiser)	Participated in the exhibition in the name of the Hong Kong Council for Testing and Certification (HKCTC) to promote Hong Kong's testing and certification services	Chengdu 12-13 May 2016	-	\$32,300	-

Name of activity	Organiser	Participating organisation and number of participants	Details and nature	Venue and date of activity	Number of attending staff from ITC and their post titles	Relevant expenditure	Amount of government subsidy (if any)
China-South Asia Expo	Ministry of Commerce and People's Government of Yunnan Province	About 800 000 visitors, including trade delegations, enterprises, manufacturers and industry practitioners from various countries (according to the latest information announced by the organiser)	Participated in the Expo in the name of HKCTC to promote Hong Kong's testing and certification services	Kunming 12-17 June 2016	-	-	-
China Hi-Tech Fair	Central authorities such as Ministry of Commerce, Ministry of Science and Technology (MOST), Ministry of Industry and Information Technology (MIIT), etc., and Shenzhen Municipal People's Government	About 590 000 visitors, including those from Mainland and overseas organisations (according to the latest information announced by the organiser)	Participated in the Fair in the name of HKCTC to promote Hong Kong's testing and certification services	Shenzhen 16-21 November 2016	1: Executive Officer	\$72,000	-
			The Hong Kong Pavilion at the Fair was co-organised by ITC and HKTDC		3: Senior Manager (1) and Assistant Manager (2)	\$88,000	-

Details of the activities related to the Mainland to be organised/co-organised/participated by ITC in 2017-18 are as follows:

Name of activity	Organiser	Participating organisation and number of participants	Details and nature	Venue and date of activity	Number of attending staff from ITC and their post titles	Relevant expenditure	Amount of government subsidy (if any)
SmartHK	Hong Kong: HKTDC Mainland: Various government authorities	Activity yet to be held	To participate in the exhibition in the name of HKCTC to promote Hong Kong's testing and certification services	Fuzhou 25 May 2017	-	Activity yet to be held	-
China Hi-Tech Fair	Central authorities such as	Activity yet to be held	A Hong Kong Pavilion at the Fair will	Shenzhen 16-21 November	2: Senior Manager and	Activity yet to be held	

	Ministry of Commerce, MOST, MIIT, etc., and Shenzhen Municipal People's Government		be co-organised by ITC and HKTDC	2017	Assistant Manager		
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(2) Details of the activity related to countries and regions along the Belt and Road organised/co-organised/participated by ITC in 2016-17 are as follows:

Name of activity	Organiser	Participating organisation and number of participants	Details and nature	Venue and date of activity	Number of attending staff from ITC and their post titles	Relevant expenditure	Amount of government subsidy (if any)
Belt and Road Summit	Hong Kong Special Administrative Region (HKSAR) Government and HKTDC	About 2 400 officials and business representatives from various countries (according to the latest information announced by the organiser)	Participated in the Summit in the name of HKCTC to promote Hong Kong's testing and certification services	Hong Kong 18 May 2016	2: Executive Officer	\$9,800	-

Details of the activity related to countries and regions along the Belt and Road to be organised/co-organised/participated by ITC in 2017-18 are as follows:

Name of activity	Organiser	Participating organisation and number of participants	Details and nature	Venue and date of activity	Number of attending staff from ITC and their post titles	Relevant expenditure	Amount of government subsidy (if any)
Belt and Road Summit	HKSAR Government and HKTDC	Activity yet to be held	Participated in the Summit in the name of HKCTC to promote Hong Kong's testing and certification services	Hong Kong 11 September 2017	To be determined	Activity yet to be held	-

(3) Details of the activity related to the European regions organised/co-organised/participated by ITC in 2016-17 are as follows:

Name of activity	Organiser	Participating organisation and number of participants	Details and nature	Venue and date of activity	Number of attending staff from ITC and their post titles	Relevant expenditure	Amount of government subsidy (if any)
Spielwarenmesse International Toy Fair	Spielwarenmesse eG	Over 73 000 participants visited the Fair, including buyers, importers, distributors, retailers and industry practitioners from various countries (according to the latest information announced by the	Participated in the Fair in the name of HKCTC to promote Hong Kong's testing and certification services	Nuremberg, Germany 1-6 February 2017	-	\$109,229	-

		organiser)					
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ITC has no plan to organise/co-organise/participate in activity related to the European regions in 2017-18.

- (4) Details of the activity related to the Americas organised/co-organised/participated by ITC in 2016-17 are as follows:

Name of activity	Organiser	Participating organisation and number of participants	Details and nature	Venue and date of activity	Number of attending staff from ITC and their post titles	Relevant expenditure	Amount of government subsidy (if any)
BIO International Convention	Biotechnology Innovation Organization	Nearly 16 000 participants visited the Convention, including business representatives and industry practitioners from various countries (according to the latest information announced by the organiser)	Participated in the Convention in the name of HKCTC to promote Hong Kong's testing and certification services	San Francisco, USA 6-9 June 2016	-	\$36,700	-

ITC has no plan to organise/co-organise/participate in activity related to the Americas in 2017-18.

- (5) We will continue to promote the collaboration on Partner State Key Laboratories (PSKLs), Hong Kong Branches of Chinese National Engineering Research Centres (CNERCs), National High-tech Industrialisation Partner Bases and Guangdong-Hong Kong Technology Co-operation Funding Scheme with MOST, the Guangdong Provincial Department of Science and Technology as well as the Science and Technology Innovation Commission of Shenzhen Municipality through the Mainland/Hong Kong Science and Technology Co-operation Committee, the Guangdong/Hong Kong Expert Group on Co-operation in Innovation and Technology as well as the Steering Group on Shenzhen/Hong Kong Co-operation in Innovation and Technology, to encourage Hong Kong's research institutions such as universities and R&D Centres as well as I&T enterprises to enhance co-operation with the Mainland in different areas of scientific research. The above duties are part of the work under Programme (4) "Planning for Innovation and Technology Development". The estimated expenditure under Programme (4) for 2017-18 is \$55.8 million, mainly for salaries and departmental expenses. We do not have the required breakdown of expenditure for the above duties. In 2017-18, a funding of up to \$5 million will be provided to each of the 16 PSKLs and the 6 Hong Kong Branches of CNERCs under the Innovation and Technology Fund, involving an estimated expenditure of \$110 million.

- End -

CONTROLLING OFFICER'S REPLY

ITB125

(Question Serial No. 6699)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (1) Support for Research and Development

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

It is mentioned on page 428 of the Estimates that the Government will administer the Midstream Research Programme for Universities (MRP) and monitor progress of the funded projects. The MRP was set up with an injection of \$2 billion to encourage universities to conduct more midstream and applied research in key technology areas through investment income. Please advise of the following:

- (1) What are the implementation details of the MRP? Has investment strategy of the fund been developed and has investment been made already? If yes, what are the details? What are the income or loss and the rate of investment return of the fund at present?
- (2) What is the annual operating expenditure of the MRP? What are the expenditure and manpower involved so far? What is the average number of working days needed from processing of an application to disbursement of funds?
- (3) What is the average funding amount approved for each application since the launch of the MRP? Please list the number of applications received and the number of applications approved by individual project/collaboration project, university unit funded, and another local/non-local university or research institution. When are the injection and investment income expected to be exhausted?
- (4) Will the MRP cover research and development projects of commercial nature carried out by companies in collaboration with universities? If not, what are the reasons; if yes, what are the details?

Asked by: Hon MOK Charles Peter (Member Question No. 68)

Reply:

The requested information is provided below:

- (1) On 10 June 2016, the Legislative Council Finance Committee approved an injection of \$2 billion into the Innovation and Technology Fund (ITF) as endowment capital to generate investment income to finance projects under the Midstream Research Programme for Universities (MRP). The \$2 billion, after injection into the ITF in late June 2016, is placed with the Exchange Fund for investment return. At present, the cumulative amount of investment return is about \$35 million, which can be used to finance MRP projects in 2017-18.

The MRP was launched in late December last year. The first round of the MRP is now open for application until the end of March 2017. Project proposals under the theme “Elderly Health and Care”, particularly those related to dementia, are invited. Applications will be assessed by panels comprising experts from the academia and industry. The funding ceiling for each project is \$5 million. Projects involving collaboration across multiple disciplines or institutions will be accorded priority and a higher funding ceiling of \$10 million per project.

- (2 and 3) About 5 staff are deployed for implementation of the MRP, involving an annual expenditure of about \$4 million, while they are also responsible for duties of operating other programmes under the ITF. As the MRP is still open for application, we do not have the relevant statistics for the moment.
- (4) The MRP aims to encourage universities funded by the University Grants Committee to conduct more theme-based midstream research in key technology areas. Research and development projects involving collaboration between enterprises and universities may apply for funding from the Innovation and Technology Support Programme and the University-Industry Collaboration Programme under the ITF.

- End -

CONTROLLING OFFICER'S REPLY

ITB126

(Question Serial No. 6701)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (3) Promotion of Technological Entrepreneurship

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

The Enterprise Support Scheme (ESS) provides funding support for research and development activities of private sector companies, irrespective of size, with its funding ceiling raised to \$10 million and funding scope extended last year. With the ESS having been implemented for over a year, will the Government inform this Committee of:

- (1) the expenditure and manpower involved in the implementation of the ESS, the estimated average number of working days needed from processing an application to disbursement of funds, and the performance indicators for the processing of applications;
- (2) the number of applications received, the percentage of the number of applications approved in the number of applications received, the total amount of funding approved, and the average amount of funding approved for each company in the past year;
- (3) the measures for monitoring the implementation of the ESS; whether the Government has conducted any review and considered introducing enhancement measures for the ESS; if yes, of the relevant details; if not, of the timetable, manpower and resources involved for conducting review and study;
- (4) whether the Government will, based on the experience over the past year, review and study on how to process the applications submitted by small and medium enterprises in a more effective and focused manner; if yes, of the relevant details; if not, of the timetable, manpower and resources involved for conducting review and study; and
- (5) the timetable, manpower and resources involved for promoting the ESS through talks and seminars in the past year, and the format, timetable, manpower and resources involved for promoting the ESS in the coming year?

Asked by: Hon MOK Charles Peter (Member Question No. 74)

Reply:

A consolidated reply to various parts of the question is as follows:

Launched in April 2015, the Enterprise Support Scheme (ESS) is part of the major work under Programme (3) “Promotion of Technological Entrepreneurship”. The estimated provision under Programme (3) for 2017-18 is \$22.5 million, which is mainly for salaries and departmental expenses. We do not have the breakdown of the estimated expenditure for the ESS. In addition, the ESS is a funding programme under the Innovation and Technology Fund (ITF). The funding granted under the ESS comes from the ITF.

In vetting the applications, the ESS assessment panel will consider the innovation and technology component, technical and management capability, financial considerations, commercial viability of project deliverables, and relevance with Government policies or in overall interest of the community, etc. of the proposed project. In order to handle applications from small and medium enterprises in a more effective and focused manner, a “designated track” has been introduced for applicant companies having less than 100 employees and seeking funding support of no more than \$2.8 million per project so as to speed up the vetting process.

In 2016-17 (as at end-January 2017), a total of 115 applications were processed. Among these processed applications, 15 were approved, involving a funding of about \$27.8 million. The average amount of funding for each successful application was about \$1.85 million. According to the experience gained since the implementation of the ESS, an applicant could be notified of the vetting result by around 2 months, the soonest, upon submission of the required documents.

In 2016-17, 9 seminars or talks were organised to introduce the details of the ESS to the industry. We will continue our promotional effort in the coming year to encourage more applications from the industry. We will closely monitor the implementation of the ESS and conduct review from time to time to enhance the ESS as appropriate.

- End -

CONTROLLING OFFICER'S REPLY

ITB127

(Question Serial No. 6703)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (4) Planning for Innovation and Technology Development

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

Will the Government advise of the activities/projects sponsored by the Innovation and Technology Commission for promoting innovation and technology in 2015-16 and 2016-17? Please list, by the names of the sponsored organisations, the titles and natures of the activities/projects, the programmes under which the sponsorships were provided, the dates of the activities/projects, the amounts of sponsorships, and the numbers of sponsored activities/projects of the organisations each year (in descending order)?

Asked by: Hon MOK Charles Peter (Member Question No. 111)

Reply:

Projects for promoting an innovation and technology culture funded by the Innovation and Technology Commission in 2015-16 and 2016-17 are tabulated as follows:

**Activities for promoting an innovation and technology culture
funded by the Innovation and Technology Commission
(2015-16 and 2016-17)**

Year	Recipient organisation	Project title	Date of project implementation (month/year-month/year)	Funding amount (HK\$)
2015-2016	The Hong Kong Federation of Youth Groups (HKFYG)	InnoTech Month 2015 - Roadshows and Workshops	7/2015 - 4/2016	2,330,700
	HKFYG	Hong Kong Student Science Project Competition (HKSSPC) 2016	9/2015 - 9/2016	1,597,156
	HKFYG	Innovation and Technology Scholarship Award Scheme 2016	10/2015 - 9/2017	3,214,850
	Hong Kong Applied Science and Technology Research Institute (ASTRI)	ASTRI Innovation Runway	7/2015 - 12/2016	1,662,000
	ASTRI	Production of ASTRI booth for InnoCarnival 2015	9/2015 - 11/2015	360,000
	Hong Kong Productivity Council (HKPC)	HKPC Pavilion cum EV Show at InnoCarnival 2015	9/2015 - 4/2016	1,088,795
	HKPC	Industry-wide Promotional Campaign and Strategy Mapping of “Industry 4.0” – It’s Time for Hong Kong to Start Industrial Revolution!	1/2016 - 6/2017	673,312
	Joint School Science Exhibition Preparation Committee (JSSEPC)	Joint School Science Exhibition (JSSE)	3/2015 - 1/2016	450,000

Year	Recipient organisation	Project title	Date of project implementation (month/year-month/year)	Funding amount (HK\$)
	Gordon Research Conferences (Hong Kong) Limited	Gordon Research Conferences 2015	4/2015 - 9/2015	2,188,735
	The Academy of Sciences of Hong Kong	Inauguration Ceremony of the Academy of Sciences of Hong Kong cum the 1st Science and Technology Innovation Summit and the 2nd Science and Technology Innovation Summit	7/2015 - 7/2017	3,241,000
	The Boys' and Girls' Clubs Association of Hong Kong (BGCA)	Children and Families Digital Project for Fun and Innovation 2015	9/2015 - 2/2016	536,336
	Hong Kong Baptist University (HKBU)	Leading a Modern Healthy Lifestyle through Traditional Chinese Medicine	9/2015 - 4/2016	582,590
	Hong Kong Science and Technology Parks Corporation	Soft-landing Programme for Technology and Innovation Collaboration (2015-2017)	11/2015 - 10/2017	2,910,000
	The Hong Kong University of Science and Technology	The 17th Asian Physics Olympiad	1/2016 - 1/2017	1,264,901
	Hong Kong New Generation Cultural Association (HKNGCA)	Innovation and Entrepreneurship Programme for University Students 2016	1/2016 - 1/2017	1,702,900
2016-2017	HKPC	HKPC Pavilion at InnoCarnival 2016	8/2016 - 3/2017	899,545

Year	Recipient organisation	Project title	Date of project implementation (month/year-month/year)	Funding amount (HK\$)
	HKPC	Cultivating of Hong Kong Secondary School Student on Innovative Use of 3D Printing Technology	9/2016 - 9/2017	2,669,220
	HKPC	Raising Cyber Security Awareness of Today's Industry for Progress to "Industry 4.0"	11/2016 - 10/2017	854,179
	HKPC	To Promote the Awareness of Cyber Security and the Related Technologies for the Local Medical and Healthcare Industries	3/2017 - 2/2018	582,845
	HKPC	Exploring New Products and Business Opportunities of Metallic Glass, Metal Foam, Metal Composite and Ceramic Composite and the Related Processing Technologies	3/2017 - 3/2018	699,908
	HKFYG	InnoTech Month 2016 - Roadshows and Workshops	7/2016 - 4/2017	2,226,500
	HKFYG	HKFYG Centre for Creative Science and Technology Phase IV Development	8/2016 - 7/2018	6,761,376
	HKFYG	HKSSPC 2017	9/2016 - 8/2017	1,499,730
	HKFYG	Innovation and Technology Scholarship Award Scheme 2017	10/2016 - 9/2018	2,815,104
	Gordon Research Conferences (Hong Kong) Limited	Gordon Research Conferences 2016	5/2016 - 10/2016	2,162,160

Year	Recipient organisation	Project title	Date of project implementation (month/year-month/year)	Funding amount (HK\$)
	Gordon Research Conferences (Hong Kong) Limited	Gordon Research Conferences 2017-2018	6/2017 - 9/2018	3,688,560
	The Chinese University of Hong Kong (CUHK)	Innovation and Technology Student Club 2016	7/2016 - 7/2017	527,850
	CUHK	Fusion between Chinese Cultural Arts and Robotics (Phase 3)	7/2016 - 7/2018	2,307,130
	ASTRI	Production of ASTRI booth for InnoCarnival 2016	9/2016 - 12/2016	375,000
	ASTRI	5G innovation Testbed - R&D facilitation program	4/2017 - 3/2019	3,577,506
	JSSEPC	JSSE	3/2016 - 1/2017	450,000
	Hong Kong Biotechnology Organization	Hong Kong Biotechnology Organization Horizon Series: Ageing Brain in Health	4/2016 - 7/2016	400,000
	BGCA	Children and Families Digital Project for Fun and Innovation 2016	8/2016 - 1/2017	620,610
	Co-operatives of Innovative Intellectuals Limited	Innovation and Breakthrough Forum - Road to Success	9/2016 - 12/2016	350,000
	HKBU	Live Smart in the Modern World with Chinese Medicine Wisdom	9/2016 - 4/2017	498,180
	The Young Entrepreneurs Development Council	Change your life in 5 minutes: stand-up pitch competition	9/2016 - 9/2017	509,880

Year	Recipient organisation	Project title	Date of project implementation (month/year-month/year)	Funding amount (HK\$)
	Hong Kong Federation of Invention and Innovation Limited	To promote and enhance the effective conversion of innovative idea/invention into product/business model/technology for young generation, entrepreneur and inventor	10/2016 - 12/2017	499,725
	Hong Kong Green Building Council Limited	World Sustainable Built Environment Conference 2017 Hong Kong	3/2017 - 6/2017	973,308
	HKNGCA	Innovation & Entrepreneurship Programme for Hong Kong University Students 2017-2018	3/2017 - 3/2019	2,999,680

- End -

CONTROLLING OFFICER'S REPLY**ITB128****(Question Serial No. 6705)**

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (4) Planning for Innovation and Technology Development

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the organisation of the InnoTech Month (ITM), will the Government advise of the following:

- (1) The total expenditure and its breakdown, the number of participants of various activities, and the number of local and international media coverage of the ITM held, or the estimated total expenditure and its breakdown and the estimated number of participants of various activities of the ITM to be held in 2015-2017.
- (2) The details of the ITM activities held or to be held by organisations receiving Government funding in 2015-2017. Please list out in the table below the details of all the projects funded by the Government, as well as the number of projects funded and total amount of funding received by the organisations concerned (in table form):

Year	Title of activity/project	Date of activity/project	Name of organising institution	Funding amount (for non-monetary sponsorship, please provide details)	Percentage in the total expenditure of the activity

Asked by: Hon MOK Charles Peter (Member Question No. 113)

Reply:

The requested information is provided below:

- (1) The InnoTech Month (ITM) organised by the Government has always been well received by the public and widely covered by the media. In 2015 and 2016, there were 270 and 220 local and international media coverage on the ITM activities respectively.

In addition, information on the total expenditure, breakdown of expenditure and number of participants of various activities of the ITM is tabulated as follows:

InnoTech Month activities	2015		2016	
	<u>No. of visits</u>	<u>Breakdown of expenditure</u>	<u>No. of visits</u>	<u>Breakdown of expenditure</u>
1) InnoCarnival	Over 200 000	Around \$10,590,000	About 220 000	Around \$10,550,000
2) InnoDesignTech Expo – Innovation and Technology Commission Pavilion	Over 31 000*	Around \$580,000	Over 33 000*	Around \$590,000
3) China Hi-Tech Fair – Hong Kong Pavilion	Over 580 000*	Around \$100,000	About 590 000*	Around \$90,000
		<u>Total expenditure</u> <u>Around \$11,270,000</u>		<u>Total expenditure</u> <u>Around \$11,230,000</u>

* The figure represents the total number of visits to the above Expo/Fair.

Apart from the activities listed above, there were some other activities in the ITM which did not involve expenditure of the Innovation and Technology Commission, e.g. the LSCM Logistics Summit 2015.

ITM 2017 will be held in late October. The estimated total expenditure, breakdown of expenditure and number of participants of various activities are comparable to those of last year.

- (2) The details of the ITM activities held or to be held by organisations receiving Government funding in 2015-2017 are as follows:

Year	Title of activity/project	Date of activity/project	Name of organising institution	Funding amount (for non-monetary sponsorship, please provide details)	Percentage in the total expenditure of the activity
2015	InnoTech Month 2015 - Roadshows and Workshops	7/2015 - 4/2016	The Hong Kong Federation of Youth Groups (HKFYG)	\$2,330,700	No more than 90%
	Hong Kong Productivity Council (HKPC) Pavilion cum EV Show at InnoCarnival 2015	9/2015 - 4/2016	HKPC	\$1,088,795	No more than 90%
	Production of the Hong Kong Applied Science and Technology Research Institute (ASTRI) booth for InnoCarnival 2015	9/2015 - 11/2015	ASTRI	\$360,000	No more than 90%
	Children and Families Digital Project for Fun and Innovation 2015	9/2015 - 2/2016	The Boys' & Girls' Clubs Association of Hong Kong (BGCA)	\$536,336	No more than 90%
	Leading a Modern Healthy Lifestyle through Traditional Chinese Medicine	9/2015 - 4/2016	Hong Kong Baptist University (HKBU)	\$582,590	No more than 90%
2016	InnoTech Month 2016 - Roadshows and Workshops	7/2016 - 4/2017	HKFYG	\$2,226,500	No more than 90%

Year	Title of activity/project	Date of activity/project	Name of organising institution	Funding amount (for non-monetary sponsorship, please provide details)	Percentage in the total expenditure of the activity
	HKPC Pavilion at InnoCarnival 2016	8/2016 - 3/2017	HKPC	\$899,545	No more than 90%
	Children and Families Digital Project for Fun and Innovation 2016	8/2016 - 1/2017	BGCA	\$620,610	No more than 90%
	Live Smart in the Modern World with Chinese Medicine Wisdom	9/2016 - 4/2017	HKBU	\$498,180	No more than 90%
	Production of ASTRI booth for InnoCarnival 2016	9/2016 - 12/2016	ASTRI	\$375,000	No more than 90%

As for ITM 2017, there are currently no projects funded under the General Support Programme.

- End -

CONTROLLING OFFICER'S REPLY

ITB129

(Question Serial No. 6707)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (5) Infrastructural Support, (7) Subvention: Hong Kong Productivity Council, Hong Kong Applied Science and Technology Research Institute Company Limited

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

As mentioned in the Policy Address, the Hong Kong Productivity Council has been commissioned as the implementation partner to establish an Inno Space for rent to different types of enterprises. Please advise of the following:

- (1) What are the details of the work completed by the Government for the above project? Has the design of the Inno Space been completed? What are the facilities to be included? What is the estimated amount of space to be provided? How many enterprises are allowed to rent the Inno Space for use concurrently?
- (2) What are the financial arrangements and expenditure breakdown for the establishment of the Inno Space, such as the estimated consultation expenses, design and construction fees, etc?
- (3) What are the mode of operation, annual operating expenditure and proposed rental fees of the Inno Space? Has the Government assessed the economic benefits of the Inno Space project, including the expected number of job opportunities to be brought about? If yes, what are the details; if no, what are the reasons?
- (4) What are the work plan, schedule and the manpower and resources required in 2017-18?

Asked by: Hon MOK Charles Peter (Member Question No. 115)

Reply:

The requested information is provided below:

- (1) The Inno Space will provide workspace and technical support to enable users to develop their innovative ideas into industrial design, which may subsequently be translated into products through prototyping. The Inno Space will be open to the

public, with the main target users being start-up entrepreneurs, secondary or university students and graduates, so as to nurture a start-up culture in Hong Kong and support re-industrialisation. With experts supervising and offering training to the users, the Inno Space will provide tools, equipment and software for design and production of prototypes and organise activities related to innovation and technology. The Hong Kong Productivity Council (HKPC) is preparing the detailed plan. The Inno Space will be set up in the HKPC Building in Kowloon Tong, covering an area of about 8 000 square feet. The venue will not be sublet to enterprises.

- (2) The estimated capital expenditure (including site renovation, configurations and equipment) and the annual recurrent operating expenditure of the Inno Space are about \$10 million and about \$3.75 million respectively, which already cover the consultancy expenses, design and construction fees, etc. The Government plans to provide additional funding to HKPC by 2 annual instalments from 2017-18, which are for the capital expenditure of the Inno Space and its recurrent operating expenditure in the first two years, while the future operating expenditure will be met by the recurrent funding provided to HKPC by the Government.
- (3) The Inno Space plans to adopt a membership system to provide a platform for exchanging creative ideas. Members will only need to pay for the cost of materials or consumables to use a variety of equipment and computer hardware/software. After deducting the Government funding, HKPC will set the level of fees based on a cost recovery model and by making reference to the operation of other makerspaces. In addition, HKPC is also exploring collaboration with other makerspaces and incubators, and will consider offering concessions on membership fees in the form of mutual recognition of membership. HKPC will submit annual reports on the operation of the Inno Space. Upon its commencement of operation, we will review the operation and effectiveness of the Inno Space in due course.
- (4) The Inno Space is expected to be ready for commencing operation within this year. HKPC plans that there will be 6 staff members (including technical and support staff) dedicated for the daily operation of the Inno Space.

- End -

CONTROLLING OFFICER'S REPLY

ITB130

(Question Serial No. 6709)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (1) Support for Research and Development

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the operation of the Research and Development (R&D) Centres funded by the Government, will the Government inform this Committee of:

- (1) the annual operating expenditure, the number and total expenditure of R&D projects of the 5 R&D Centres respectively in the past 3 years;
- (2) the amount of industry sponsorship and contract service fees of the R&D Centres respectively in the past 3 years; and
- (3) the number of projects commercialised and licences granted by the 5 R&D Centres respectively in the past 3 years?

Asked by: Hon MOK Charles Peter (Member Question No. 117)

Reply:

The requested information is provided below:

- (1) The operating expenditure of 4 Research and Development (R&D) Centres (i.e. the Nano and Advanced Materials Institute (NAMI), R&D Centre for Logistics and Supply Chain Management Enabling Technologies (LSCM), Hong Kong Research Institute of Textiles and Apparel (HKRITA) and Automotive Parts and Accessory Systems R&D Centre (APAS)) is met by the funding under the Innovation and Technology Fund (ITF) approved by the Finance Committee of the Legislative Council. The operating expenditure of the R&D Centre for Information and Communications Technologies (ICT) under the Hong Kong Applied Science and Technology Research Institute (ASTRI) is funded by the Government's annual recurrent subvention to ASTRI (which is separately set out under Programme (7) "Subvention: Hong Kong Productivity Council, Hong Kong Applied Science and Technology Research Institute Company Limited").

The operating expenditure of the 5 R&D Centres in the latest 3 financial years (i.e. 2014-15 to 2016-17) is tabulated below:

	Operating expenditure (\$ million)		
	2014-15 (Actual expenditure)	2015-16 (Actual expenditure)	2016-17 (Revised estimate)
ASTRI	141.5	141.5	140.0
NAMI	53.7	57.2	57.3
LSCM	21.6	30.0	32.0
HKRITA	21.0	26.7	29.2
APAS	11.0	15.9	16.8
Total:	248.8	271.3	275.3

Note: The operating expenditure of ICT under ASTRI is funded by the Government's annual recurrent subvention to ASTRI.

Number of R&D Projects

The number of new projects and on-going projects of the 5 R&D Centres in the past 3 financial years (i.e. 2013-14 to 2015-16) is tabulated below:

	Number of R&D projects					
	2013-14		2014-15		2015-16	
	New projects	On-going projects (as at end-March 2014)	New projects	On-going projects (as at end-March 2015)	New projects	On-going projects (as at end-March 2016)
ASTRI	32	44	44	61	42	69
NAMI	16	37	41	55	45	82
LSCM	13	27	17	29	16	35
HKRITA	25	43	25	57	21	62
APAS	14	23	8	26	13	36
Total:	100	174	135	228	137	284

R&D Expenditure

The R&D expenditure of the 5 R&D Centres is supported by the ITF on individual R&D project basis. The amount of funding for R&D expenditure of the 5 R&D Centres in the latest 3 financial years (i.e. 2013-14 to 2015-16) is tabulated below:

	Amount of funding for R&D expenditure (\$ million)		
	2013-14 (Actual expenditure)	2014-15 (Actual expenditure)	2015-16 (Actual expenditure)
ASTRI	218.7	248.0	198.7
NAMI	37.2	41.3	71.2
LSCM	37.6	33.9	79.8
HKRITA	31.3	26.3	44.8
APAS	17.5	23.4	36.0
Total:	342.3	372.9	430.5

(2) Amount of Sponsorship and Contract Service Income

The amount of sponsorship for new projects and the contract service income of the 5 R&D Centres in the past 3 financial years (i.e. 2013-14 to 2015-16) are tabulated below:

	Amount of sponsorship and contract service income (\$ million)					
	2013-14		2014-15		2015-16	
	Amount of sponsorship for new projects	Contract service income	Amount of sponsorship for new projects	Contract service income	Amount of sponsorship for new projects	Contract service income
ASTRI	53.9	9.42	63.7	12.02	63.8	16.69
NAMI	3.9	1.32	19.6	13.21	30.7	5.07
LSCM	8.6	0.16	9.9	0.09	10.2	0.03
HKRITA	28.3	-	9.2	-	20.6	0.09
APAS	35.0	0.16	12.1	0.20	28.4	0.61
Total:	129.7	11.06	114.5	25.52	153.7	22.49

- (3) In terms of licensing, the 5 R&D Centres signed 42, 64 and 55 licensing agreements in 2013-14, 2014-15 and 2015-16 respectively.

- End -

CONTROLLING OFFICER'S REPLY**ITB131****(Question Serial No. 6712)**

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (6) Quality Support

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

In respect of the public relations expenditure of the Hong Kong Science and Technology Parks Corporation (HKSTPC), will the Government inform this Committee of the following:

- (1) The total expenditure of HKSTPC for publishing advertisements, sponsored content or advertorial in newspapers registered under the Registration of Local Newspapers Ordinance in 2016-17 as well as the relevant details:

Date of publish (Day/Month/ Year)	Status (one-off/ ongoing/done) (as at 29 February 2016)	Name and purpose of advertisement	Name of media organisation and newspaper	Frequency (as at 28 February 2017)	Expenditure (as at 28 February 2017)

- (2) The expenditure of HKSTPC for sponsoring local free-to-air television stations, paid television stations and radio stations to provide information and produce programmes or materials in 2016-17 as well as the relevant details:

Date of broadcast (Day/Month/ Year)	Status (one-off/ ongoing/done) (as at 29 February 2016)	Name and purpose of advertisement	Media organisation	Frequency (as at 28 February 2017)	Expenditure (as at 28 February 2017)

- (3) The media organisations which published or broadcasted advertisements/sponsored content of HKSTPC in 2016-17, as well as the frequency and the total expenditure involved (in descending order of amount spent):

Name of media organisation	Frequency	Total expenditure (\$)

- (4) The websites/network platforms on which HKSTPC published online advertisements/sponsored content in 2016-17, as well as the frequency, the duration (days) and the total expenditure involved (tabulated in descending order of amount spent):

Website/ network platform	Content of advertisement	Frequency	Duration (days)	Hit rate, frequency of exposure and no. of audiences	Total expenditure (\$)

- (5) Other media channels through which HKSTPC published advertisements/sponsored content in 2016-17, as well as the frequency and the total expenditure involved (in descending order of amount spent):

Media	Frequency	Total expenditure (\$)

- (6) What is the estimated expenditure of HKSTPC for advertisements/sponsored content in 2017-18?

Asked by: Hon MOK Charles Peter (Member Question No. 121)

Reply:

The requested information is provided below:

- (1) The total expenditure of the Hong Kong Science and Technology Parks Corporation (HKSTPC) for publishing advertisements, sponsored content or advertorial in newspapers registered under the Registration of Local Newspapers Ordinance in 2016-17 as well as the relevant details are as follows:

Date of publish (Day/Month/ Year)	Status (one-off/ ongoing/done) (as at 28 February 2017)	Name and purpose of advertisement	Name of media organisation and newspaper	Frequency (as at 28 February 2017)	Expenditure (\$) (as at 28 February 2017)
April 2016	Done	Asia's first Elevator World Tour™: Encourage start-ups to promote their businesses and connect with potential investors	Bloomberg Businessweek (Chinese edition)	1	28,571
April 2016	Done	Smart Living@Science Park--Internet of Things: Promote the application of smart living technologies so as to allow members of the public to experience the benefits of smart living to individuals, community and economy, as well as drive the development of	Apply Daily	2	70,000

		smart city			
April 2016	Done	Graduation Ceremony of Incubation Programmes: Raise public awareness on the services of incubation programmes and the innovative inventions of the graduates	(1)Sky Post (2)Headline Daily	1 1	(1) 21,000 (2) 38,000
April 2016	Done	Promotion of HKSTPC	The Peak	1	20,000
June 2016	Done	Promotion of MICE venues at the Science Park	HR Magazine	1	36,960
August-September 2016	Done	Opening of Karolinska Institutet Research Centre: Promote public awareness on stem cell research and its development potential in Hong Kong	Headline Daily	3	90,000
September-October 2016	Done	“Technologies from Science Park” programme: Promote and encourage enterprises in Hong Kong to apply locally developed technologies	AM730	8	107,200
September-October 2016	Done	“Technologies from Science Park” programme: Promote and encourage enterprises in Hong Kong to apply locally developed technologies	Headline Daily	8	240,000
September-October 2016	Done	“Technologies from Science Park” programme: Promote and encourage enterprises in Hong Kong to apply locally developed technologies	Times Magazine	2	120,000
October 2016	Done	“Technologies from Science Park” programme: Encourage enterprises to adopt the technologies and services developed by technology start-ups	(1)iMoney magazine (2)Economic Digest	1 1	(1) 40,000 (2) 30,500
October 2016	Done	The opening of Lion Rock 72 and the launch of Joint Incubation Programme: Promote start-up incubation culture and technology transfer of universities	Sky Post	1	27,000
December 2016	Done	Hong Kong and Guangzhou International Conference on Stem Cell and Regenerative Medicine: Connect the industry and promote biotechnology and its application	(1)Ming Pao (2)AM730 (3)Hong Kong Economic Times	1 1 1	(1) 35,000 (2) 30,000 (3) 39,000
December 2016	Done	Hong Kong Science Park food and beverage marketing campaign: Attract members of the public to visit the Science Park and enjoy the nice food, so as to raise public awareness on the Science Park	(1)Eat and Travel Weekly (2)Carsland (3)Next Plus	1 1 1	160,000
February 2017	Done	Science Park Career Expo 2017: Promote the career path and prospects of the innovation and technology industry, encourage interested parties to join the industry and recruit talents for the industry	(1) Headline Daily (2)AM730 (3)Sky Post	2 2 2	(1) 73,000 (2) 72,400 (3) 46,000
February-	Ongoing	“Technologies from Science	Headline Daily	9	270,000

March 2017		Park” programme: Promote and encourage enterprises in Hong Kong to apply locally developed technologies			
February-March 2017	Ongoing	“Technologies from Science Park” programme: Promote and encourage enterprises in Hong Kong to apply locally developed technologies	100 Most	3	24,000
March 2017	Ongoing	“Technologies from Science Park” programme: Promote and encourage enterprises in Hong Kong to apply locally developed technologies	This Week In Asia - Sunday Morning Post (South China Morning Post (SCMP))	2	40,000

- (2) The expenditure of HKSTPC for sponsoring local free-to-air television stations, paid television stations and radio stations to provide information and produce programmes or materials in 2016-17 as well as the relevant details are as follows:

Date of broadcast (Day/Month/ Year)	Status (one-off/ ongoing/done) (as at 28 February 2017)	Name and purpose of advertisement	Media organisation	Frequency (as at 28 February 2017)	Expenditure (as at 28 February 2017) (\$)
May-June 2016 and February-March 2017	Done	Science Park’s television commercial (TVC) – Turning What Ifs into What’s Next for Hong Kong	Television Broadcasts Limited (TVB)	256 (a 30-second advertisement)	1,200,000
May-June 2016	Done	Science Park’s TVC – Turning What Ifs into What’s Next for Hong Kong	VIU TV	188 (a 30-second advertisement)	288,000

- (3) The media organisations which published or broadcasted advertisements/sponsored content of HKSTPC in 2016-17, as well as the frequency and the total expenditure involved are as follows:

Name of media organisation	Frequency	Total expenditure (\$)
TVB	256	1,200,000
Sing Tao News Corporation Limited (the publication involved is Headline Daily)	23	711,000
Hong Kong Television Entertainment (the television channel involved is VIU TV)	188	288,000
Next Digital (the publications involved include Apple Daily, Eat and Travel Weekly, Carsland and Next Plus)	5	230,000
AM730 Media Limited (the publication involved is AM 730)	11	209,600
Hong Kong Economic Times Group (the publications involved include Sky Post, Hong Kong Economic Times and iMoney magazine)	6	173,000
Times Magazine (Hong Kong)	2	120,000
South China Morning Post Publishers Limited (the publication involved is SCMP)	2	40,000
HR Magazine	1	36,960
Ming Pao	1	35,000
New Media Group (the publication involved is Economic	1	30,500

Digest)		
Bloomberg Businessweek (Chinese edition)	1	28,571
TV Most (the publication involved is 100 Most)	3	24,000
The Peak	1	20,000

- (4) The websites/network platforms on which HKSTPC published online advertisements/sponsored content in 2016-17, as well as the frequency, the duration and the total expenditure involved are as follows:

Website/ network platform	Content of advertisement	Frequency	Duration (days)	Hit rate, frequency of exposure and no. of audiences	Total expenditure (\$)
On.cc	A Memorandum of Understanding between Imperial College London and the Robotic Alliance of Hong Kong signed at APAC Innovation Summit	1	Article will not be deleted once published on website	Frequency of exposure: 541 784	45,000
	“DreamCatchers” MedTech Hackathon	1	Article will not be deleted once published on website	Frequency of exposure: 641 391	45,000
	Results and introduction of award-winning innovations of “City Challenge – Bridge to a Smarter City”	1	Article will not be deleted once published on website	Frequency of exposure: 696 437	45,000
	Innovative product launch in summer by members of Incubation Programmes	1	Article will not be deleted once published on website	Frequency of exposure: 634 354	45,000
	“EVTech Makerthon” hackathon	1	Article will not be deleted once published on website	Frequency of exposure: 823 834	45,000
	4 technology adoption cases from the “Technologies from Science Park” programme	1	Article will not be deleted once published on website	Frequency of exposure: 755 530	45,000
	Establishment of Ming Wai Lau Centre for Reparative Medicine at the Hong Kong Science Park by Karolinska Institutet	2	Article will not be deleted once published on website	Frequency of exposure: 1 882 359	90,000

	Asia's first Elevator World Tour™	1	Article will not be deleted once published on website	Frequency of exposure: 1 079 223	45,000
	HKSTPC's announcement of Joint Incubation Programme and the opening of co-working space "Lion Rock 72"	1	Article will not be deleted once published on website	Frequency of exposure: 942 697	45,000
	GemVCare, a member of the Incu-bio programme, launches its innovative solution	1	Article will not be deleted once published on website	Frequency of exposure: 962 632	45,000
	Launch of smart-city related innovations by members of Incubation Programmes	1	Article will not be deleted once published on website	Frequency of exposure: 834 545	45,000
100 Most	"Technologies from Science Park" programme and Science Park Career Expo 2017	2	60	100 Most Facebook feed: Over 12 000 "likes" TV Most website banner: 1 000 000 exposures	204,000
Google Display Network (GDN)/ YouTube Instream Video Ad/ Facebook Display Ad/ Yahoo Stream Ad/ Maximizer Network/ MobMax Network	"Technologies from Science Park" programme	1	30	GDN Hit rate: 6 626 Frequency of exposure: 4 881 046 YouTube No. of views: 100 380 Facebook No. of views: 86 934 Yahoo Hit rate: 147 523 Frequency of exposure: 437 646 Maximizer Hit rate: 126 948 Frequency of exposure: 1 345 441 MobMax Hit rate: 3 616 Frequency of exposure: 1 048 330	168,240
	"Technologies from Science Park" programme	1	30	Data is not available as the publicity has yet to be	100,000

	and Science Park Career Expo 2017			completed	
Openrice	Hong Kong Science Park food and beverage marketing campaign	1	352	Frequency of exposure: 251 612	168,000
Unwire	Graduation Ceremony of Incubation Programmes	1	Article will not be deleted once published on website	No. of audiences: 11 639	4,833
	Introduction of achievements and solutions of HKSTPC's award-winning partner companies at the Hong Kong ICT Awards 2016	4	Article will not be deleted once published on website	No. of audiences: 49 534	19,332
	Results and introduction of award-winning innovations of "City Challenge – Bridge to a Smarter City"	3	Article will not be deleted once published on website	No. of audiences: 29 050	14,499
	Innovative product launch in summer by members of Incubation Programmes	3	Article will not be deleted once published on website	No. of audiences: 68 016	14,499
	"DreamCatchers" MedTech Hackathon	1	Article will not be deleted once published on website	No. of audiences: 11 288	4,833
	Asia's first Elevator World Tour™	4	Article will not be deleted once published on website	No. of audiences: 41 264	19,332
	"EVTech Makerthon" hackathon	1	Article will not be deleted once published on website	No. of audiences: 21 704	4,833
	4 technology adoption cases from the "Technologies from Science Park" programme	4	Article will not be deleted once published on website	No. of audiences: 49 217	19,332
	HKSTPC's announcement	2	Article	No. of audiences: 35 442	9,666

	of Joint Incubation Programme and the opening of co-working space “Lion Rock 72”		will not be deleted once published on website		
SCMP	“Technologies from Science Park” programme Special SCMP Channels <ul style="list-style-type: none"> • Website (Desktop and mobile versions) • Facebook page post • E-newsletter 	1	<ul style="list-style-type: none"> • 28 • 1 • 21 	Data is not available as the publicity has yet to be completed	110,000
Bloomberg Businessweek (Chinese edition) online platform	Asia’s first Elevator World Tour™	6	Article will not be deleted once published on website	No. of views: 63 600 Frequency of exposure: 112 258	71,428
Facebook	Interactive advertising by posts on Science Park’s Facebook page	1	20	No. of “likes”: 1 546 Frequency of exposure: Over 100 000	50,000
YouTube	Science Park’s TVC – Turning What Ifs into What’s Next for Hong Kong	1	30	No. of views: 53 004	20,000
	HKSTPC’s video: Let’s Shape a Brighter Future Together	1	30	No. of views: 93 135	25,000
JobsDB	Promotion of Science Park Career Expo 2017	1	14	Not available from the media	40,000
Cpjobs.com	Promotion of Science Park Career Expo 2017	1	14	Not available from the media	38,000
CTgoodjobs	Promotion of Science Park Career Expo 2017	1	14	Not available from the media	32,000
Facebook/Instagram	Science Park’s TVC – Turning What Ifs into What’s Next for Hong Kong	1	30	No. of views: 101 861	30,000
Startupbeat	HKSTPC’s announcement of Joint Incubation Programme and the opening of co-working space “Lion Rock 72”	1	Article will not be deleted once published on website	Not available from the media	15,000
HR Magazine	Promotion of MICE venues at the Science Park	1	180	Frequency of exposure: 473 503	8,100
PCM Market	City Challenge – Bridge to a Smarter City	2	Article will not be deleted once	No. of views: 15 275	8,000

			published on website		
ITPro	City Challenge – Bridge to a Smarter City	2	Article will not be deleted once published on website	Frequency of exposure: 11 316	8,000

- (5) Other media channels through which HKSTPC published advertisements/sponsored content in 2016-17, as well as the frequency and the total expenditure involved are as follows:

Media channel	Frequency	Total expenditure (\$)
Table tent card promotion: Science Park Career Expo 2017	10 days, 200 restaurants	30,000

- (6) The expenditure and manpower involved in the advertisements and publicity activities of the Science Park are met by HKSTPC's internal resources. No additional subsidy is provided by the Government.

- End -

CONTROLLING OFFICER'S REPLY

ITB132

(Question Serial No. 7167)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (7) Subvention: Hong Kong Productivity Council, Hong Kong Applied Science and Technology Research Institute Company Limited

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

With regard to the operation and statistics of the Hong Kong Applied Science and Technology Research Institute, please advise this Committee of the following:

- (1) a list of the platform projects, industry collaborative projects (including the 2 categories of projects with industry sponsorship of over 30% and over 50%), contract research and development projects and seed projects funded under the Innovation and Technology Fund (ITF) in 2016-17 as well as the collaborating organisations;
- (2) the details of new projects:

	Total number of projects in 2016-17	Number of new projects and its percentage in the total number of projects
Platform project		
Seed project		
Industry collaborative project		

- (3) the details of the source of income from industry in 2016-17, including the collaborating organisations and the amount of income;
- (4) as at 28 February 2017 in 2016-17:
 - (a) the amount of funding from the ITF and the Government;

- (b) the number of ITF-funded platform projects, seed projects and industry collaborative projects;
 - (c) the amount of income from industry received and its percentage in the total project cost;
 - (d) the client distribution in percentage terms;
 - (e) the number of employees;
 - (f) the academic qualifications of the research personnel; and
- (5) the details of the increase in emoluments of senior executives and research personnel/non-research personnel in the past 3 years?

Asked by: Hon MOK Charles Peter (Member Question No. 119)

Reply:

The requested information is provided below:

- (1) Detailed information on the Hong Kong Applied Science and Technology Research Institute (ASTRI)'s research and development (R&D) projects funded under the Innovation and Technology Fund (ITF) in 2016-17 is available at the ITF website: http://www.itf.gov.hk/l-eng/prj_search_index.asp.
- (2) The details of the new projects in 2016-17 are tabulated below:

	2016-17 (approved projects as at end-February 2017)	
	Total number of projects	Number of new projects and its percentage in the total number of projects
Platform project	34	6 (18%)
Seed project	26	14 (54%)
Industry collaborative project	8	3 (38%)

- (3) ASTRI's income from industry in 2016-17 is tabulated below (in \$ million):

	2016-17 (as at end-February 2017)
Sponsorship for projects	43.20
Licensing / royalty	4.20
Contract services	20.68
Others	0.40
Total:	68.48

Given the agreements between ASTRI and the collaborating institutions, information on the institutions concerned and the respective amounts cannot be disclosed.

(4) As at 28 February 2017 in 2016-17:

(a) ASTRI received Government provision of some \$320 million to support its R&D projects and operational expenses.

(b) The number of ITF-funded R&D projects of ASTRI is tabulated below:

	Number of projects
Platform project	34
Seed project	26
Industry collaborative project	8

(c) The income from industry received by ASTRI was about \$68 million, accounting for about 28% of the total project cost.

(d) The client distribution of ASTRI is tabulated below:

	Percentage
Hong Kong	56%
Mainland	31%
Overseas	13%

(e) ASTRI has a total number of 583 employees.

(f) The distribution of academic qualifications of ASTRI's research personnel is tabulated below:

	Percentage
Bachelor	21%
Master	52%
PhD	26%
Others	1%

- (5) The average increase in emoluments of ASTRI's senior executives and research personnel/non-research personnel in the past 3 years is tabulated below:

	Average increase in emoluments in 2014-15	Average increase in emoluments in 2015-16	Average increase in emoluments in 2016-17
Senior executives (including the top three-tier executives)	5.77%	4.20%	4.45%
Other research personnel/non-research personnel	4.97%	4.94%	4.98%

- End -

CONTROLLING OFFICER'S REPLY

ITB133

(Question Serial No. 7168)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (4) Planning for Innovation and Technology Development

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

It is mentioned in the Estimates of Expenditure that the Government has increased the monthly allowances of the Internship Programme under the Innovation and Technology Fund (ITF) and extended the Programme to cover incubatees and small and medium enterprise (SME) tenants of the Cyberport and the Science Park. In this connection, please inform this Committee of the following:

- (1) Please list in tabular form the respective research institutions of the recruited interns funded by the ITF, the number of interns, the areas of the research projects and the funding amount in the latest 3 financial years.
- (2) What are the respective percentages of interns employed for 2 consecutive years under the Programme, interns secured a job in the scientific research field after completing the internship, and interns indicated interest in a future employment in the scientific research field in the past 3 years?
- (3) What is the number of internship applications received and approved under the Programme and the annual total amount of funding in the past 3 years? Please list in tabular form by interns with a Bachelor's degree or a Master's and/or higher degree.
- (4) What are the number of beneficiary companies, the total number of additional interns employed and the total amount of funding in 2016-17 upon the increase in allowances and the extension of the Programme to cover incubatees and SME tenants of the Cyberport and the Science Park last year? Please list in tabular form by interns with a Bachelor's degree or a Master's and/or higher degree. What are the estimated number of beneficiary companies, the number of additional interns employed and the total amount of funding in 2017-18? Please list in tabular form by interns with a Bachelor's degree or a Master's and/or higher degree.
- (5) What are the specific details in respect of the extension of the Programme to cover incubatees and SME tenants of the Cyberport and the Science Park as well as the

start-ups to be funded by the Innovation and Technology Venture Fund, the manpower required and the expenditure involved?

- (6) What are the expenditure and details of publicity activities for promoting the Internship Programme to incubatees and SMEs in 2016-17? What are the estimated expenditure and publicity plan for promoting the Programme in the coming year?

Asked by: Hon MOK Charles Peter (Member Question No. 73)

Reply:

The requested information is provided below:

- (1) A breakdown of the figures related to the Internship Programme (Programme) by research area in the latest 3 financial years is tabulated as follows:

Research area	Year	Research institution																Number of interns approved	Funding amount approved (\$ million)
		The Chinese University of Hong Kong	City University of Hong Kong	The Education University of Hong Kong	Hong Kong Baptist University	The Hong Kong Polytechnic University	The Hong Kong University of Science and Technology	The University of Hong Kong	Vocational Training Council	Hong Kong Productivity Council	Hong Kong Institute of Biotechnology	Automotive Parts and Accessory Systems R&D Centre	Hong Kong Research Institute of Textiles and Apparel	Hong Kong Applied Science And Technology Research Institute	Hong Kong R&D Centre for Logistics and Supply Chain Management Enabling Technologies	Nano and Advanced Materials Institute	Private companies		
Biotechnology	2014-15	10	3	0	2	5	5	11	0	1	2	0	3	2	0	0	9	53	12.3
	2015-16	13	8	0	0	5	2	7	0	0	0	0	0	0	0	0	3	38	9.9
	2016-17 ^{Note}	15	4	0	4	9	9	9	0	0	1	0	2	0	0	0	7	60	17.3
Chinese medicine	2014-15	4	0	0	5	0	1	0	0	0	0	0	0	0	0	0	0	10	2.8
	2015-16	3	0	0	7	0	0	3	0	0	0	0	0	0	0	0	0	13	3.0
	2016-17 ^{Note}	2	0	0	9	2	6	1	0	0	0	0	0	0	0	0	0	20	5.5
Electrical and electronics	2014-15	4	1	0	0	2	3	4	0	0	0	0	0	13	0	0	2	29	5.9
	2015-16	8	14	0	0	1	8	1	0	0	0	0	0	9	0	0	5	46	8.9

	2016-17 ^{Note}	3	2	0	0	0	2	5	0	0	0	1	0	8	0	1	3	25	7.3
Environmental technology	2014-15	1	4	0	0	2	0	2	0	3	0	0	0	0	0	0	0	12	2.5
	2015-16	2	2	2	0	2	2	2	0	0	0	0	0	0	0	0	0	12	2.3
	2016-17 ^{Note}	1	3	0	0	2	7	4	0	2	2	0	2	0	0	1	4	28	10.1
Information technology	2014-15	14	4	0	2	8	8	4	0	0	0	0	0	14	4	0	14	72	13.9
	2015-16	11	6	0	4	4	12	2	0	0	0	0	3	13	12	0	9	76	15.4
	2016-17 ^{Note}	8	9	0	2	2	10	3	1	0	0	0	2	10	5	0	5	57	13.7
Manufacturing technology	2014-15	5	8	0	0	22	1	2	0	4	0	4	30	3	0	0	1	80	18.3
	2015-16	7	12	0	0	25	2	4	0	4	0	4	21	1	0	0	0	80	18.6
	2016-17 ^{Note}	6	8	0	0	25	0	0	0	11	0	6	11	4	0	0	4	75	20.3
Materials science	2014-15	0	2	0	0	2	3	1	0	0	0	0	0	0	0	0	0	8	1.4
	2015-16	0	1	0	0	5	1	0	0	0	0	0	0	2	0	0	0	9	1.6
	2016-17 ^{Note}	0	7	0	0	4	0	0	0	0	0	0	3	0	0	0	0	14	3.3
Nanotechnology	2014-15	7	4	0	5	0	4	5	0	0	0	0	0	0	0	30	0	55	11.1
	2015-16	4	7	0	1	2	7	1	0	0	0	0	0	0	0	33	0	55	10.5
	2016-17 ^{Note}	0	3	0	0	2	4	8	0	0	0	0	0	0	0	10	2	29	7.4
Others	2014-15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2015-16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2016-17 ^{Note}	0	0	0	0	3	0	0	0	0	0	0	0	0	1	0	0	4	1.3

Note: as at end-January 2017

- (2) Under the Programme, the maximum duration of internship for each intern is 24 months. In the past 3 years, the average duration of internship of an intern is about 14 months. Over 60% of interns who had completed the Programme either found a job or indicated interest in a future employment in the scientific research field.
- (3) The number of applications and the amount of funding under the Programme by the academic qualification of interns in the latest 3 financial years are tabulated as follows:

Year	2016-17 (as at end-January 2017)		2015-16		2014-15	
Academic qualification of interns	Bachelor's degree	Master's or higher degree	Bachelor's degree	Master's or higher degree	Bachelor's degree	Master's or higher degree
Number of applications received and processed	125	207	111	233	128	213
Number of interns approved	116	196	108	221	117	202
Total amount of funding approved (\$ million)	86.2		70.2		68.2	

- (4) We increased the monthly allowances of the Programme last February and extended the Programme to cover incubatees and small and medium enterprise (SME) tenants of the Hong Kong Science and Technology Parks Corporation (HKSTPC) and the Cyberport last December. As at end-February 2017, under the recently extended part of the Programme, applications from 19 companies were approved, involving 23 interns and 13 of them had a Master's or higher degree. The total amount of funding approved was about \$6.3 million. In 2017-18, it is estimated that about 400 companies will benefit from the extended Programme, involving about 800 interns, and the estimated total amount of funding to be approved is about \$230 million.
- (5) The extension of the Programme is handled by existing manpower and resources. Specific details on further extending the Programme to cover start-ups with injection from the Innovation and Technology Venture Fund will be finalised later.
- (6) On publicity, briefing sessions on extension of the Programme were organised in the Science Park and Cyberport last December to introduce the details and application procedures of the extended Programme to incubatees and SME tenants of HKSTPC and the Cyberport. We will continue to make use of the existing manpower and promotional channels to publicise the Programme, and will enhance communication with target companies through HKSTPC and the Cyberport.

- End -

CONTROLLING OFFICER'S REPLY

ITB134

(Question Serial No. 2083)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (2) Fostering University-Industry Collaboration

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

Companies in the private sector are encouraged to invest and leverage on the knowledge and resources of local universities through 3 schemes under the Government's University-Industry Collaboration Programme (UICP), namely, the Teaching Company Scheme, Matching Grant for Joint Research, and Industrial Research Chair Scheme. Figures show that the number of applications received and processed under the UICP increased from 22 in 2015 (actual) to 28 in 2016 (actual), while that of 2017 (estimate) is only 25. In this connection, please inform this Committee of the following:

- (a) While the Government's provision for the UICP increases year on year, the estimated number of applications to be received and processed in 2017 has dropped instead of rising, what are the reasons for that?
- (b) Please set out in details the number of applications and the provisions for the 3 schemes under the UICP.
- (c) In order to enhance the engagement of private companies and universities to collaborate in research and development projects, will the Government consider relaxing the existing arrangement of requiring the companies to contribute half of the project cost? If so, what are the details; if not, what are the reasons?

Asked by: Hon NG Wing-ka, Jimmy (Member Question No. 5)

Reply:

The requested information is provided below:

- (a) As the available resources, incentives, workload, etc. of the universities and the industry vary from year to year, there are variations in the number of applications and funded projects under the University-Industry Collaboration Programme (UICP) every

year. 24, 22 and 28 applications were received under the UICP in 2014, 2015 and 2016 respectively. The estimated number of applications to be received in 2017 is 25, which is projected based on the average number in the past 3 years. We will continue our efforts in implementing the UICP to encourage enterprises and local universities to collaborate in research and development (R&D) projects of commercial nature. In addition to the UICP, enterprises can also apply for funding from various programmes under the Innovation and Technology Fund to undertake R&D projects in collaboration with R&D Centres or with their internal resources.

- (b) A total of 74 applications were received under the UICP in the past 3 years (2014-2016), with a funding amount of about \$79.05 million. Details are as follows:

	Teaching Company Scheme		Matching Grant for Joint Research	
	Number of applications	Funding amount (\$ million)	Number of applications	Funding amount (\$ million)
2014	5	1.75	19	22.44
2015	6	1.23	16	26.14
2016	4	0.27	24	27.22

No applications for the Industrial Research Chair Scheme were received by the Innovation and Technology Commission in the past 3 years (2014-16).

- (c) The UICP aims to stimulate private sectors' interest in conducting more R&D projects through leveraging the expert knowledge of universities. All intellectual property rights arising from the projects will be solely owned by the participating companies. Therefore, requiring the applicant companies to contribute half of the project cost is an appropriate arrangement.

- End -

CONTROLLING OFFICER'S REPLY

ITB135

(Question Serial No. 2085)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (3) Promotion of Technological Entrepreneurship, (7) Subvention: Hong Kong Productivity Council, Hong Kong Applied Science and Technology Research Institute Company Limited

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

It is stated in the Budget that the Government has provided funding of \$8.2 billion for the Hong Kong Science and Technology Parks Corporation to build an Advanced Manufacturing Centre and a Data Technology Hub in Tseung Kwan O Industrial Estate. The Government has also commissioned the Hong Kong Productivity Council to establish an Inno Space to turn innovative and technological ideas into industrial designs or products, with a view to expanding the start-up culture in Hong Kong and supporting re-industrialisation. In this connection, please list in tabular form the details as well as the manpower and expenditure involved for the above 2 projects.

How much usable office space in Hong Kong was provided to start-ups in the innovation and technology sector in the past 3 years? How much newly created space is expected to be provided by the Inno Space for these start-ups in the future? How much of the space will be used for the re-industrialisation of data technology and advanced manufacturing? Please set out the respective details and indicate the locations.

Asked by: Hon NG Wing-ka, Jimmy (Member Question No. 10)

Reply:

The requested information is provided below:

Advanced Manufacturing Centre and Data Technology Hub

The Finance Committee of the Legislative Council approved in May 2016 the financial arrangements of the Advanced Manufacturing Centre (AMC) and the Data Technology Hub (DT Hub), with an injection of \$6.598 billion as equity and a provision of \$1.65 billion as a loan from the Capital Investment Fund to the Hong Kong Science and Technology Parks Corporation (HKSTPC) to develop the 2 projects.

With a gross floor area (GFA) of about 108 588 m², the AMC will focus on 5 major areas: (i) medical, healthcare, and hospital devices and apparatus; (ii) biomedical engineering devices, implants and apparatus; (iii) intelligent electronic and optical apparatus; (iv) intelligent sensors and advanced assembly of semiconductors; and (v) robot electronics and intelligent power devices that dovetail with smart city development. HKSTPC has commissioned a consultant to carry out detailed design of the building. It is expected that the works can commence in the first half of 2018 and be completed by 2021/22.

With a GFA of about 27 015 m², the DT Hub will provide purpose-built infrastructure for data technology and telecommunication services as well as general supporting facilities including a business centre, showcase arena and offices, etc. HKSTPC has commissioned a consultant to carry out detailed design. The works is expected to commence in the second half of this year and be completed in 2020.

Inno Space

The Inno Space will provide workspace and technical support to enable users to translate their innovative ideas into industrial design and undertake prototyping. The Inno Space will be open to the public, with target users being start-up entrepreneurs, secondary or university students and graduates, so as to nurture a start-up culture in Hong Kong and support re-industrialisation. With experts supervising and offering training to the users, the Inno Space will provide tools, equipment and software for design and production of prototypes and organise activities related to innovation and technology (I&T). The Inno Space will be set up in the Hong Kong Productivity Council (HKPC) Building in Kowloon Tong, covering an area of about 740 m². HKPC is preparing the implementation details and will consider co-operating with local universities and other existing makerspace operators to create a synergy effect. The Inno Space is expected to be ready for commencing operation within this year.

The estimated capital expenditure (including site renovation, configurations and equipment) and the annual recurrent operating expenditure of the Inno Space are about \$10 million and about \$3.75 million respectively. HKPC plans that there will be 6 staff members (including technical and support staff) dedicated for the daily operation of the Inno Space.

Spaces Currently Provided to Start-Ups in the Innovation and Technology Sector

With a total area of 22 hectares, the Hong Kong Science Park (HKSP) is a flagship facility to promote I&T in Hong Kong. HKSP provides infrastructure and services, striving to establish and nurture a world-class technology community of applied research and development and facilitate the development of Hong Kong into an I&T hub. In the past few years, HKSTPC provided office space of about 13 300 m² for I&T start-ups.

The Cyberport provides Smart-Space small office and co-working space to enable start-ups to rent well-equipped office units at affordable price. In response to the keen demand from start-ups for such working space, the Cyberport increased the provision of Smart-Space by 60% to a GFA of about 11 400 m² in 2016, accommodating a total of over 430 enterprises, of which about 4 390 m² are dedicated to FinTech enterprises.

- End -

CONTROLLING OFFICER'S REPLY

ITB136

(Question Serial No. 2989)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (1) Support for Research and Development

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

It is mentioned in the Estimates that “the Guangdong-Hong Kong Technology Co-operation Funding Scheme under the Innovation and Technology Support Programme supports applied research and development projects which will facilitate economic development in the Greater Pearl River Delta region”. What was the total number of projects funded last year? What was the amount of funding involved?

Asked by: Hon OR Chong-shing, Wilson (Member Question No. 34)

Reply:

In 2016, a total of 10 projects were funded under the Guangdong-Hong Kong Technology Co-operation Funding Scheme, with a total funding of around \$13 million.

- End -

CONTROLLING OFFICER'S REPLY

ITB137

(Question Serial No. 2990)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (3) Promotion of Technological Entrepreneurship

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

It is mentioned in the Estimates that “to encourage more private sector investment in research and development, the Innovation and Technology Commission launched in April 2015 a new Enterprise Support Scheme (ESS) under the Innovation and Technology Fund to replace the Small Entrepreneur Research Assistance Programme”. Please advise of:

1. the total number applications received under the ESS in the past 2 years, the number of applications to which funding has been granted and the amount of funding involved; and
2. the amount of provision earmarked for the ESS this year.

Asked by: Hon OR Chong-shing, Wilson (Member Question No. 35)

Reply:

The requested information is provided below:

- (1) The Enterprise Support Scheme (ESS) was launched in end-April 2015. As at end-January 2017, a total of 226 applications were processed, 28 of which were approved, involving a funding of about \$75.6 million.
- (2) In 2017-18, we will continue to administer ESS and accept applications from eligible companies all year round. ESS is part of the major work under Programme (3) “Promotion of Technological Entrepreneurship”. The estimated provision under Programme (3) for 2017-18 is \$22.5 million, which is mainly for salaries and departmental expenses. We do not have the breakdown of expenditure on administering ESS. In addition, ESS is a funding programme under the Innovation and Technology Fund (ITF). As the funding granted under ESS comes from the ITF,

there will be no limit on the total amount of funding approved under ESS this year provided that the uncommitted balance of the ITF remains positive.

- End -

CONTROLLING OFFICER'S REPLY

ITB138

(Question Serial No. 2991)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (3) Promotion of Technological Entrepreneurship

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

It is mentioned in the Estimates that the Innovation and Technology Commission administers the Technology Start-up Support Scheme for Universities (TSSSU). What is the amount of provision earmarked for the TSSSU in 2017-18? What are the specific plans?

Asked by: Hon OR Chong-shing, Wilson (Member Question No. 45)

Reply:

The Technology Start-up Support Scheme for Universities (TSSSU) was launched in September 2014 to provide funding to the research teams of the 6 local universities in starting technology businesses and commercialising their research and development (R&D) results. An annual funding of up to \$4 million is provided to each of the 6 local universities. Each funded start-up may receive up to \$1.2 million each year for no more than 3 years.

Start-ups should submit applications to the knowledge transfer/technology transfer offices of their associated universities. Each university has devised its assessment mechanism to consider the innovation and technology content of the start-ups' businesses, the commercial viability of the businesses, the capability of the teams, as well as the social impact of the businesses and R&D work of the start-ups, etc. Applications assessed and recommended by the universities will be forwarded to the Innovation and Technology Commission for consideration.

TSSSU is one of the work activities under Programme (3) "Promotion of Technological Entrepreneurship". The estimated expenditure under Programme (3) for 2017-18 is \$22.5 million, which is mainly for salaries and departmental expenses. We do not have separate breakdown of departmental expenses and salaries on TSSSU.

- End -

CONTROLLING OFFICER'S REPLY

ITB139

(Question Serial No. 3454)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (4) Planning for Innovation and Technology Development

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

Paragraph 122 of the Budget Speech says a new committee on I&T development and re-industrialisation to co-ordinate the I&T development and re-industrialisation of Hong Kong. In this connection, will the Administration inform this Committee of the composition of the new committee with the number of official and non-official members, representatives from the business sector (SMEs), representatives from the academia, etc. to be appointed?

Asked by: Hon SHEK Lai-him, Abraham (Member Question No. 67)

Reply:

The 2017-18 Budget announces that the Government will set up a committee on innovation and technology (I&T) development and re-industrialisation. The committee will co-ordinate the I&T development and re-industrialisation of Hong Kong through a higher-level and inter-bureau approach.

We are now working on the terms of reference and composition of the committee with a view to commencing the appointment exercise as soon as practicable. We plan to invite the major stakeholders in the I&T and industrial sectors in Hong Kong to serve as members of the committee and advise the Government on matters relating to the promotion of I&T development and re-industrialisation in Hong Kong.

- End -

CONTROLLING OFFICER'S REPLY

ITB140

(Question Serial No. 1756)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (3) Promotion of Technological Entrepreneurship

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

The estimate for promotion of technological entrepreneurship for 2017-18 is 14.2% higher than that for 2016-17. What are the details and reasons for that?

Asked by: Hon TO Kun-sun, James (Member Question No. 19)

Reply:

The aim of Programme (3) is to promote technological entrepreneurship in Hong Kong and provide support to technology-based entrepreneurial activities and technology research and development in the private sector. Major work includes:

- (a) administering the Enterprise Support Scheme;
- (b) administering the Technology Start-up Support Scheme for Universities;
- (c) launching and administering the Innovation and Technology Venture Fund; and
- (d) monitoring the residual work relating to the Applied Research Fund, etc.

The estimate for 2017-18 is 14.2% (or \$2.8 million) higher than the revised estimate for 2016-17. This is mainly due to:

- (a) increased salary expenses arising from the full-year salary payment for 7 civil service posts created in the second half of 2016-17; and
- (b) increased expenses on salary for non-civil service contract staff.

- End -

CONTROLLING OFFICER'S REPLY

ITB141

(Question Serial No. 1761)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (4) Planning for Innovation and Technology Development

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

The Government states that the monthly allowance for interns under the Internship Programme will be increased. What are the details and expenditure involved?

Asked by: Hon TO Kun-sun, James (Member Question No. 20)

Reply:

We have increased the monthly allowances under the Internship Programme since 24 February last year. The monthly allowance of an intern with a Bachelor's degree has been increased from \$12,000 to \$14,000, while that of an intern with a Master's or higher degree has been increased from \$14,000 to \$16,500. The annual estimated additional expenditure is about \$17 million.

- End -

CONTROLLING OFFICER'S REPLY

ITB142

(Question Serial No. 0621)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (4) Planning for Innovation and Technology Development

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

It is proposed in the Budget that a committee on innovation and technology development and re-industrialisation will be set up. What is the composition of the committee and how will it operate and be supported? How will the Government ensure the overall efficacy of the committee's work, for instance, to fix a phased schedule for the work rather than only having discussions on proposals but without concrete measures?

Asked by: Hon WONG Ting-kwong (Member Question No. 7)

Reply:

The 2017-18 Budget announces that the Government will set up a committee on innovation and technology (I&T) development and re-industrialisation. The committee will co-ordinate the I&T development and re-industrialisation of Hong Kong through a higher-level and inter-bureau approach.

We are now working on the terms of reference and composition of the committee with a view to commencing the appointment exercise as soon as practicable. We plan to invite the major stakeholders in the I&T and industrial sectors in Hong Kong to serve as members of the committee and advise the Government on matters relating to the promotion of I&T development and re-industrialisation in Hong Kong. We will work out the development strategies and work priorities based on the committee's recommendations.

The Innovation and Technology Commission will provide secretariat support to the committee with existing manpower and resources.

- End -

CONTROLLING OFFICER'S REPLY

ITB143

(Question Serial No. 1102)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (4) Planning for Innovation and Technology Development

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

In the 2017-18 Budget Speech, the Financial Secretary, Mr Paul CHAN Mo-po, has proposed to set up a new committee on innovation and technology (I&T) development and re-industrialisation to co-ordinate the I&T development and re-industrialisation of Hong Kong. In this connection, what is the specific work plan of the committee on I&T development and re-industrialisation in the coming 3 years? What is the expenditure involved?

Asked by: Hon WONG Ting-kwong (Member Question No. 47)

Reply:

The 2017-18 Budget announces that the Government will set up a committee on innovation and technology (I&T) development and re-industrialisation. The committee will co-ordinate the I&T development and re-industrialisation of Hong Kong through a higher-level and inter-bureau approach.

We are now working on the terms of reference and composition of the committee with a view to commencing the appointment exercise as soon as practicable. We plan to invite the major stakeholders in the I&T and industrial sectors in Hong Kong to serve as members of the committee and advise the Government on matters relating to the promotion of I&T development and re-industrialisation in Hong Kong. We will work out the development strategies and work priorities based on the committee's recommendations.

The Innovation and Technology Commission will provide secretariat support to the committee with existing manpower and resources. The related support services are part of the work under Programme (4) "Planning for Innovation and Technology Development". The estimated expenditure under Programme (4) for 2017-18 is \$55.8 million, mainly for salaries and general departmental expenses. We have not prepared a breakdown of the estimated expenditure on the provision of secretariat support to the committee.

- End -

CONTROLLING OFFICER'S REPLY

ITB144

(Question Serial No. 3240)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (4) Planning for Innovation and Technology Development

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

It is mentioned in paragraph 122 of the Budget Speech that the Financial Secretary “will set up a new committee on innovation and technology (I&T) development and re-industrialisation to co-ordinate the I&T development and re-industrialisation of Hong Kong”.

1. When will the above committee be set up? How many members will be there? Apart from the Innovation and Technology Bureau, will other bureaus or non-officials join the committee?
2. Is there any preliminary work plan or prioritised issues for review at present? What is the estimated earliest time to make public the preliminary study findings and to conduct public consultation?
3. What is the estimated establishment and expenditure of the committee?

Asked by: Hon WU Chi-wai (Member Question No. 12)

Reply:

The requested information is provided below:

(1) and (2)

The 2017-18 Budget announces that the Government will set up a committee on innovation and technology (I&T) development and re-industrialisation. The committee will co-ordinate the I&T development and re-industrialisation of Hong Kong through a higher-level and inter-bureau approach.

We are now working on the terms of reference and composition of the committee with a view to commencing the appointment exercise as soon as practicable. We plan to invite the major stakeholders in the I&T and industrial sectors in Hong Kong to serve as members of the committee and advise the Government on matters relating to the

promotion of I&T development and re-industrialisation in Hong Kong. We will work out the development strategies and work priorities based on the committee's recommendations.

- (3) The Innovation and Technology Commission will provide secretariat support to the committee with existing manpower and resources. The related support services are part of the work under Programme (4) "Planning for Innovation and Technology Development". The estimated expenditure under Programme (4) for 2017-18 is \$55.8 million, mainly for salaries and general departmental expenses. We have not prepared a breakdown of the estimated expenditure on the provision of secretariat support to the committee.

- End -

CONTROLLING OFFICER'S REPLY

ITB145

(Question Serial No. 3885)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (3) Promotion of Technological Entrepreneurship

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

It is proposed in the Budget that the Government will set up a \$2 billion Innovation and Technology Venture Fund (ITVF). However, the setting up of the ITVF was already proposed in last year's Budget. It was also proposed that a company would be incorporated under the Companies Ordinance to perform control and administration of the ITVF and an Advisory Panel would be set up to provide strategic advice.

1. What are the expenditure, rank of officers and establishment for implementing the ITVF?
2. Why the ITVF has not yet been set up after over a year? Are there any legal or other issues?
3. Have the company responsible for control and administration and the Advisory Panel been already set up now? If not, what is the estimated set up time?
4. Are there any criteria for establishing co-operation between the ITVF and the venture capitalists at present? For example, will Mainland venture capitalists be introduced?
5. Are negotiations on co-operation being conducted with any investors at present or were such negotiations conducted in the past? If yes, what are the details?

Asked by: Hon WU Chi-wai (Member Question No. 18)

Reply:

A consolidated reply to various parts of the question is as follows:

We will set up a Secretariat to handle the work related to the Innovation and Technology Venture Fund (ITVF). The Secretariat will comprise the following 5 civil service posts and 1 contract post: 1 Senior Treasury Accountant, 1 Senior Executive Officer, 1 Treasury Accountant, 1 Executive Officer I, 1 Assistant Clerical Officer and 1 contract Investment Advisor. The estimated annual recurrent expenditure for the Secretariat is \$9.1 million, which includes salary expenses and other administrative and promotional fees.

We have set up a limited company, namely Innovation and Technology Venture Fund Corporation, under the Companies Ordinance to facilitate control and administration of the ITVF. We are actively preparing for the establishment of the Advisory Panel.

In addition, we are now formulating the relevant guidelines and criteria for selecting qualified venture capital funds as partners. It is expected that the ITVF will be launched in mid-2017.

- End -

CONTROLLING OFFICER'S REPLY

ITB146

(Question Serial No. 6868)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (3) Promotion of Technological Entrepreneurship

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

It is proposed in the Budget that the Government will set up a \$2 billion Innovation and Technology Venture Fund (ITVF). The setting up of the ITVF was already proposed in last year's Budget. It was also proposed that a company would be incorporated under the Companies Ordinance to perform control and administration of the ITVF and an Advisory Panel would be set up to provide strategic advice.

1. What are the expenditure, rank of officers and establishment for implementing the ITVF?
2. Why the ITVF has not yet been set up after over a year? Are there any legal or other issues?
3. Have the company responsible for control and administration and the Advisory Panel been already set up now? If not, what is the estimated set up time?
4. Are there any criteria for establishing co-operation between the ITVF and the venture capitalists at present? For example, will Mainland venture capitalists be introduced?
5. Are negotiations on co-operation being conducted with any investors at present or were such negotiations conducted in the past? If yes, what are the details?

Asked by: Hon WU Chi-wai (Member Question No. 125)

Reply:

A consolidated reply to various parts of the question is as follows:

We will set up a Secretariat to handle the work related to the Innovation and Technology Venture Fund (ITVF). The Secretariat will comprise the following 5 civil service posts and 1 contract post: 1 Senior Treasury Accountant, 1 Senior Executive Officer, 1 Treasury Accountant, 1 Executive Officer I, 1 Assistant Clerical Officer and 1 contract Investment Advisor. The estimated annual recurrent expenditure for the Secretariat is \$9.1 million, which includes salary expenses and other administrative and promotional fees.

We have set up a limited company, namely Innovation and Technology Venture Fund Corporation, under the Companies Ordinance to facilitate control and administration of the ITVF. We are actively preparing for the establishment of the Advisory Panel.

In addition, we are now formulating the relevant guidelines and criteria for selecting qualified venture capital funds as partners. It is expected that the ITVF will be launched in mid-2017..

- End -

CONTROLLING OFFICER'S REPLY

ITB147

(Question Serial No. 3133)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (4) Planning for Innovation and Technology Development,
(7) Subvention: Hong Kong Productivity Council, Hong Kong Applied Science and Technology Research Institute Company Limited

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

The Innovation and Technology Commission (ITC) assists the relevant enterprises in moving towards high value-added production through promoting re-industrialisation. In this connection, will the Government inform this Committee of the following: What are the specific policies and measures on re-industrialisation? What measures will be adopted to facilitate industrial development? While re-industrialisation as defined by the Government emphasises moving towards high value-added production, does it cover measures to support certain ever-developing traditional manufacturing industries (such as food manufacturing industry)? If yes, please provide a list of them; if not, please explain the reasons. Please also explain the distribution of responsibilities on industrial policies among ITC and the Trade and Industry Department.

Asked by: Hon YIU Chung-yim (Member Question No. 69)

Reply:

The Government is committed to promoting re-industrialisation and developing a high-end manufacturing industry which leverages new technologies and smart production while requiring less amount of land, so as to identify new growing point for Hong Kong's economic development and create quality and diversified employment opportunities. The Innovation and Technology Commission and relevant organisations have implemented various measures to support enterprises (including the traditional manufacturing industries) to move towards high value-added production or develop emerging industries.

On the hardware side, the Government has been working closely with the Hong Kong Science and Technology Parks Corporation (HKSTPC) in promoting re-industrialisation and has revised the policy on Industrial Estates (IEs) in order to encourage smart

production, attract high value-added technology industries as well as high value-added manufacturing processes. In future, HKSTPC will build and manage specialised multi-storey industrial buildings for rental to multi-users. HKSTPC is building a Data Technology Hub and an Advanced Manufacturing Centre in the Tseung Kwan O IE to promote smart production. Stage 1 of the Hong Kong Science Park Expansion Programme has also been commenced to provide additional scientific research infrastructure to the industry. On long-term land planning, we have set aside sites near the Liantang/Heung Yuen Wai Boundary Control Point for future development of the IEs. Moreover, we will develop a Hong Kong/Shenzhen Innovation and Technology Park in the Lok Ma Chau Loop. The key base for co-operation in scientific research in the Park would complement the industrial strength of Shenzhen, thereby promoting commercialisation and industrialisation of research and development (R&D) outcomes.

Quality R&D capabilities are necessary to support re-industrialisation. The Innovation and Technology Fund (ITF) was established in 1999 to finance applied R&D projects that contribute to I&T upgrading in manufacturing and services industries in Hong Kong and promotion of innovation. There are various funding programmes under the ITF, including the Innovation and Technology Support Programme, the University-Industry Collaboration Programme, the Enterprise Support Scheme, the Patent Application Grant, etc. One of the aims of these funding programmes is to encourage more R&D from universities and enterprises and promote re-industrialisation.

The R&D Centres established by the Government include the Hong Kong Applied Science and Technology Research Institute, the Hong Kong R&D Centre for Logistics and Supply Chain Management Enabling Technologies, the Nano and Advanced Materials Institute, the Hong Kong Research Institute of Textiles and Apparel and the Automotive Parts and Accessory Systems R&D Centre. In recent years, these Centres have been actively engaging in R&D efforts related to re-industrialisation, covering various areas such as big data, Internet of Things, robotics, new materials and smart mobility, etc., thereby assisting the industry to ride the trend and capture business opportunities.

The Hong Kong Productivity Council (HKPC) has been dedicating efforts to promoting re-industrialisation to facilitate enterprises in moving towards high value-added production and achieving Industry 4.0. HKPC has been officially accredited as an “Industry 4.0 Expert” by Fraunhofer Institute for Production Technology, Germany and organised a series of activities for enhancing the industry’s understanding of Industry 4.0. In addition, HKPC will establish an Inno Space to provide workspace and technical support to enable users to develop their innovative ideas into industrial design, which may subsequently be translated into products through prototyping.

Besides, various government departments and quasi-government organisations have set up support schemes, e.g. Trade and Industry Department’s SME Loan Guarantee Scheme, SME Export Marketing Fund, SME Development Fund, and Dedicated Fund on Branding, Upgrading and Domestic Sales, to assist the industry in areas such as obtaining finance and enhancing their overall competitiveness.

- End -

CONTROLLING OFFICER'S REPLY

ITB148

(Question Serial No. 3134)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (6) Quality Support

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

The Standards and Calibration Laboratory (SCL) of the Innovation and Technology Commission (ITC) is responsible for maintaining the reference standards of physical measurements for Hong Kong. In this connection, will the Government inform this Committee of when copy no. 75 of the International Prototype Kilogram kept by Hong Kong will be sent to the International Bureau of Weights and Measures at Paris for calibration? It is anticipated that the General Conference on Weights and Measures will adopt the scientific sector's suggestion to replace physical prototype kilogram with physical constants after 2018. How will the Government deal with copy no. 75 of the prototype currently kept by Hong Kong afterwards? What is the number of requests for calibration services in various measurement areas in the past 3 years? Please provide the establishment and the rank of official-in-charge of the SCL. Please also inform this Committee of the work details with regard to the participation in the activities of the International Committee for Weights and Measures Mutual Recognition Arrangement and the Asia Pacific Metrology Programme, and the participation in more projects on inter-laboratory comparison of measurement standards by ITC.

Asked by: Hon YIU Chung-yim (Member Question No. 78)

Reply:

The Standards and Calibration Laboratory (SCL) sends copy no. 75 of the International Prototype Kilogram to the International Bureau of Weights and Measures (BIPM) at Paris for calibration every 10 years. The copy was sent to the BIPM at Paris for calibration on 21 September 2016, and is scheduled to return to SCL in late March 2017. It is anticipated that the General Conference on Weights and Measures in 2018 will endorse the replacement of physical prototype kilogram with physical constants while specific method is yet to be determined. As the realisation of prototype kilogram by physical constants involves highly complicated operations that cannot be put into practice in all laboratories within a short time, copy no. 75 of the prototype kept by SCL will maintain its functions for at least 5 to 8 years after 2018 and continue to provide reference standards of mass for Hong Kong until the mass standard based on physical constants is established in Hong Kong.

The number of cases in which calibration services were provided by SCL in the following measurement areas in the past 3 years is as follows:

	2014/15	2015/16	2016/17 (as at February 2017)
Electricity and photometry	381	343	374
Length, mass and related quantities	389	427	409
Temperature, humidity, acoustics and vibration	366	337	326
Total	1136	1107	1109

The establishment of SCL under the Innovation and Technology Commission is as follows:

Ranks	Total establishment
Chief Electronics Engineer/Chief Electrical and Mechanical Engineer	1
Senior Electrical and Mechanical Engineer	1
Electrical and Mechanical Engineer	3
Senior Electronics Engineer	2
Electronics Engineer	4
Principal Technical Officer	1
Senior Technical Officer	11
Technical Officer	11
Clerical Officer	1
Assistant Clerical Officer	2
Personal Secretary II	1
Motor Driver	1
Total	39

The rank of official-in-charge of SCL is Chief Electronics Engineer/Chief Electrical and Mechanical Engineer.

SCL signed the International Committee for Weights and Measures Mutual Recognition Arrangement (CIPM MRA) on behalf of Hong Kong in 2000, and was authorised to use the CIPM MRA Logo in its calibration certificates in 2006. SCL participates in the annual General Assembly of the Asia Pacific Metrology Programme (APMP) and the work of the 7 technical committees of the APMP. In the past 3 years, SCL participated in a total of 9 international events of inter-laboratory comparisons of measurement standards.

- End -

CONTROLLING OFFICER'S REPLY

ITB149

(Question Serial No. 1068)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (4) Planning for Innovation and Technology Development

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

It is mentioned in the Budget Speech that to support the use of technologies by small and medium enterprises (SMEs) to enhance their competitiveness, the Government introduced the Technology Voucher Programme (TVP) last November to provide each eligible SME with funding of up to \$200,000. The TVP promotes the effective use of technological services and solutions among SMEs for better operational efficiency. Response has been encouraging with more than 900 SMEs having already registered their intention to participate in the TVP.

- 1) Please provide the number of applications received, the number of successful applications and the approved funding amount since the launch of the TVP.
- 2) How many of these applications are from the tourism industry? What are the number of successful applications and the approved funding amount?

Asked by: Hon YIU Si-wing (Member Question No. 21)

Reply:

The requested information is provided below:

- 1) As at 31 January 2017, the Innovation and Technology Commission received a total of 136 applications under the Technology Voucher Programme (TVP). Of these, 23 were assessed by the TVP Committee (the Committee), with 21 of them supported by the Committee for funding, involving a total funding of about \$2.77 million.
- 2) Of the 136 applications, 3 were submitted by enterprises from the tourism industry and out of which 1 was approved, involving a funding of about \$66,000.

- End -

CONTROLLING OFFICER'S REPLY

ITB150

(Question Serial No. 2893)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (7) Subvention: Hong Kong Productivity Council, Hong Kong Applied Science and Technology Research Institute Company Limited

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

The Government indicates that the Hong Kong Productivity Council has been commissioned to establish an Inno Space to turn innovative and technological ideas into industrial designs or products, with a view to expanding the start-up culture in Hong Kong and supporting re-industrialisation. In this connection, will the Government advise of:

1. the estimates of expenditure involved for the Inno Space;
2. the preferential or concessionary measures for start-ups and small and medium enterprises;
3. the preparation progress and the estimated completion time of the Inno Space; and
4. the estimated number of enterprises/organisations to be benefitted?

Asked by: Hon YUNG Hoi-yan (Member Question No. 36)

Reply:

The requested information is provided below:

1. The estimated capital expenditure (including site renovation, configurations and equipment) and the recurrent operating expenditure of the Inno Space are about \$10 million and about \$3.75 million per year respectively.
2. The Inno Space will provide workspace and technical support to enable users to develop their innovative ideas into industrial design, which may subsequently be translated into products through prototyping. The Inno Space plans to adopt a membership program to provide a platform for exchanging creative ideas. Members will only need to pay for the cost of materials or consumables to use a variety of equipment and computer hardware/software for prototyping. After

deducting the Government funding on capital expenditure and operating expenditure, the Hong Kong Productivity Council (HKPC) will set the level of fees based on a cost recovery model and by making reference to the operation of other makerspaces. In addition, HKPC is also exploring collaboration with other makerspaces and incubators, and will consider offering concessions on membership fees in the form of mutual recognition of membership.

3 and 4. HKPC is preparing the implementation details. The Inno Space is expected to commence operation within this year. HKPC hopes to recruit 500 Inno Space members, including small and medium enterprises, start-ups or individuals, within 2 years.

- End -

CONTROLLING OFFICER'S REPLY

ITB151

(Question Serial No. 2902)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (1) Support for Research and Development

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

On support for research and development (R&D), please advise the details of the Government's collaboration plans with the Partner State Key Laboratories and the Hong Kong Branches of Chinese National Engineering Research Centres in 2017-18, the progress and research objectives of the collaboration projects, and the financial resources involved.

In addition, please advise the details of the researches under the Midstream Research Programme for Universities launched last December, including the research topics, the technologies/technology areas involved, the funding obtained and the work schedule of the research projects. How will the Government contribute to driving further downstream R&D work and product development?

Asked by: Hon YUNG Hoi-yan (Member Question No. 38)

Reply:

As the hosting organisations of 16 Partner State Key Laboratories (PSKLs) and 6 Hong Kong Branches of Chinese National Engineering Research Centres (CNERCs), the local universities and the Hong Kong Applied Science and Technology Research Institute directly manage the respective PSKLs and Hong Kong Branches of CNERCs. Scientific research teams of the PSKLs and Hong Kong Branches of CNERCs will collaborate with relevant Mainland and overseas laboratories and research centres. In 2017-18, the Innovation and Technology Commission will continue to, through the Innovation and Technology Fund, provide a funding of up to HK\$5 million to each PSKL and Hong Kong Branch of CNERC to cover their expenditure on manpower, equipment and consumables. The work details of PSKLs and Hong Kong Branches of CNERCs are set out in LC Paper No. CB(1)436/15-16(06) of the Legislative Council Panel on Commerce and Industry (<http://www.legco.gov.hk/yr15-16/english/panels/ci/agenda/ci20160119.htm>).

The Midstream Research Programme for Universities (MRP) aims to encourage universities funded by the University Grants Committee to conduct more theme-based midstream research in key technology areas. The funding ceiling for each project is \$5 million. Projects involving collaboration across multiple disciplines or institutions will be accorded priority and a higher funding ceiling of \$10 million per project.

The first round of the MRP is now open for application until the end of March 2017. Project proposals under the theme “Elderly Health and Care”, particularly those related to dementia, are invited. Applications will be assessed by expert panels comprising members from the academia and industry. Applicant institutions are required to provide their plan for downstream research and/or product development activities in the project application for due consideration by the panel during assessment. We also encourage applicant institutions to disseminate the research and development outcomes to the industry after project completion by means of licensing or contract services, so as to drive further downstream research or product development.

- End -

CONTROLLING OFFICER'S REPLY

ITB152

(Question Serial No. 2906)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (2) Fostering University-Industry Collaboration

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

What are the number of completed projects, the project titles, as well as the technology areas and related expenditure involved under the University-Industry Collaboration Programme (UICP) in 2016-17?

Will the Government consider allocating more resources to encourage research and development collaboration between local companies and universities, so as to provide young people with opportunities to put innovative ideas into practice? If yes, what are the details, including whether funds and manpower will be earmarked for 2017-18?

In addition, will the Government earmark resources for 2017-18 to conduct a comprehensive review on the implementation and effectiveness of the UICP? If yes, what are the details?

Asked by: Hon YUNG Hoi-yan (Member Question No. 39)

Reply:

In 2016-17 (as at end-January 2017), a total of 14 projects under the University-Industry Collaboration Programme (UICP) were completed, involving technology areas including environmental protection, biotechnology, Chinese medicine, advanced manufacturing technology/process development, information and communication technologies, electronics, and testing and certification. Project details (including project title and funding amount) are available at the Innovation and Technology Fund (ITF) website (http://www.itf.gov.hk/l-eng/prj_search_index.asp). The relevant project references are set out in the Annex.

In late-2014, we completed a comprehensive review on the ITF (which covered the UICP). To further foster research and development (R&D) collaboration between the universities and the industry, we have implemented the following improvement measures for UICP:

- (a) relaxing the timeframe for UICP projects from a maximum of 2 years to 3 years to better dovetail with the usual timeframe for a postgraduate student to complete his/her doctorate and encourage the student to pursue a career in innovation and technology after graduation;
- (b) allowing greater flexibility for the company and the university participating in an UICP project to negotiate and mutually agree on the intellectual property arrangements, including ownership, licensing and benefit sharing, to enable university professors to undertake further development/commercialisation of the R&D outcomes as appropriate; and
- (c) adopting the assessment framework of the Innovation and Technology Support Programme for UICP projects in order to align the assessment frameworks of both programmes.

The Innovation and Technology Commission will continue to implement the above improvement measures with existing manpower and resources. We will also continue to study appropriate measures with stakeholders and review the UICP from time to time in response to the needs of the industry.

- End -

University-Industry Collaboration Programme
(Projects Completed from April 2016 to end-January 2017)

No.	Project Reference
1	UIM/253
2	UIM/254
3	UIM/256
4	UIM/257
5	UIM/260
6	UIM/262
7	UIM/263
8	UIM/269
9	UIM/271
10	UIM/272
11	UIT/120
12	UIT/124
13	UIT/125
14	UIT/126

CONTROLLING OFFICER'S REPLY

ITB153

(Question Serial No. 2911)

Head: (155) Government Secretariat: Innovation and Technology Commission

Subhead (No. & title):

Programme: (4) Planning for Innovation and Technology Development

Controlling Officer: Commissioner for Innovation and Technology (Ms Annie CHOI)

Director of Bureau: Secretary for Innovation and Technology

Question:

Last year, the Government launched the Technology Voucher Programme (TVP) to assist small and medium enterprises (SMEs) in transforming business processes and using technologies to improve productivity and competitiveness. In this connection, will the Government advise of:

1. the number of applications received and the number of successful applications since the launch of the TVP, the success rate and the number of SMEs involved;
2. the estimated number of SMEs applying for the TVP in 2017-18;
3. the average number of working days required for disbursement of funds upon submission of applications; and
4. whether the anticipated targets are met based on preliminary assessment on the effectiveness of the TVP; and whether additional resources will be allocated for promoting the TVP to SMEs in 2017-18? If yes, what are the details, including the manpower and expenses involved?

Asked by: Hon YUNG Hoi-yan (Member Question No. 40)

Reply:

The requested information is provided below:

1. As at 31 January 2017, the Innovation and Technology Commission (ITC) received a total of 136 applications under the Technology Voucher Programme (TVP). Of these, 23 submitted by different small and medium enterprises (SMEs) were assessed by the TVP Committee (the Committee), with 21 of them supported by the Committee for funding, representing a success rate of over 91%. In addition, 4 applications were

withdrawn by the applicant enterprises; 86 applications could not be processed and had to be returned to the applicant enterprises, mainly because the applicants had not submitted all the supporting documents required; 18 applications were still awaiting supplementary information or clarifications about the project details from the applicant enterprises. The remaining 5 applications are more complicated and would be submitted to the Committee for assessment.

2. It is estimated that ITC will receive about 2 000 applications for the TVP in 2017-18.
3. Funding under the TVP will be provided to SMEs on a reimbursement basis. At present, as all the approved projects are yet to be completed, information on the average time required for the reimbursement of funds is not available.
4. Since its launch, the TVP has received an encouraging response from SMEs. As at end-January this year, 836 SMEs have registered on the TVP website. ITC has provided online a pamphlet and Guidance Notes for Applications for the TVP, as well as set up an enquiry hotline. In addition, ITC will continue to arrange briefing sessions to explain the details of the TVP to SMEs and the industry in 2017-18 on a need basis. We will promote the TVP with existing resources. No breakdown of expenditure on the promotion work is available.

We will closely monitor the implementation of the TVP and will review its effectiveness and *modus operandi* with the Committee after 2 years or when we foresee full commitment of \$500 million, whichever is the earlier.

- End -

CONTROLLING OFFICER'S REPLY

ITB154

(Question Serial No. 2809)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (1) Use of IT in Government

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the support provided by the Office of the Government Chief Information Officer to bureaux and departments in the development of mobile applications (apps) for e-government services, please inform this Committee of the following:

- (a) What were the names, project costs involved, launch dates and numbers of downloads of the apps developed by the Government in the past 2 years?
- (b) What are the names, project costs involved and launch dates of the apps for which the development work will be completed soon in the coming year?
- (c) Does the Government have any plan to increase the usage rate and number of downloads of the apps?

Asked by: Hon CHAN Chi-chuen (Member Question No. 11)

Reply:

The required information is provided as follows:

- (a) Information of the mobile apps launched by government bureaux and departments (B/Ds) in the past 2 years is set out at Annex A.
- (b) Information of the mobile apps planned to be launched by B/Ds in 2017-18 is set out at Annex B.
- (c) The Office of the Government Chief Information Officer (OGCIO) has been supporting B/Ds through various measures to develop user-friendly mobile apps that meet users' needs. We notice that some mobile apps are developed for specific user groups, and their usage or download rates may be rather limited. The revised

Practice Guide for Developing Mobile Apps released by OGCIO in 2016 has stated the importance of promotion and marketing. When a new app is to be launched, B/Ds should conduct appropriate publicity and promotion to allow target users to understand the objectives and usage of the app. In addition, the “GovHK Apps” and the GovHK website of OGCIO have also included a list of mobile apps provided by the Government to facilitate the promotion of government mobile apps.

Information of the mobile apps launched by B/Ds in the past 2 years (2015-16 and 2016-17)

No.	B/D	App Name	(Approximate) Development Cost	Launch Date	Total Number of Downloads (As at 2016)
1.	Buildings Department	Quick Guide for Mandatory Building Inspection Scheme / Mandatory Window Inspection Scheme	\$299,000	Jun 2016	3 300
2.	Census and Statistics Department	Mobile e-Questionnaire Application	Included in the development cost of the e-Data Collection sub-systems for the 2016 Population By-Census.	Jun 2016	13 900
3.	Civil Engineering and Development Department	Greener Slopes Better Cityscape	Developed and maintained internally. No additional expenditure was involved.	Oct 2015	200
4.	Civil Service Bureau	Government Vacancies	\$980,000	Sep 2015	238 000
5.	Department of Health (Central Health Education Unit)	CookSmart (Replaced by "CookSmart: EatSmart Recipes")	Included in the development cost of the subsequent "CookSmart: EatSmart Recipes" mobile app	Jun 2015	1 900
6.	Department of Health (Central Health Education Unit)	CookSmart: EatSmart Recipes	\$258,000	Dec 2015	28 900
7.	Department of Health (Central Health Education Unit)	EatSmart Restaurant	\$76,000	Jun 2015	17 800
8.	Department of Health (Family Health Service)	Info for Nursing Mum	Developed and maintained internally. No additional expenditure was involved.	Feb 2016	6 100
9.	Department of Health (Infection Control Branch)	HKeIC	\$150,000	Mar 2016	820
10.	Development Bureau (In collaboration with Construction Industry Council)	Construction Safety App	\$883,000 (Including the maintenance cost for the first two years)	May 2015	11 100
11.	Education Bureau (Kindergarten Administration Section)	Profile of Kindergartens or Kindergarten-cum-Child Care Centres 2015	Included in the cost of the whole project on the KG Profile. As it is not a stand-alone project, no separate breakdown of the expenditure is available. (Total cost of the project on KG Profile: \$562,000)	Sep 2015	11 800

No.	B/D	App Name	(Approximate) Development Cost	Launch Date	Total Number of Downloads (As at 2016)
12.	Education Bureau (Kindergarten Administration Section)	Profile of Kindergartens or Kindergarten-cum-Child Care Centres 2016	Included in the cost of the whole project on the KG Profile. As it is not a stand-alone project, no separate breakdown of the expenditure is available. (Total cost of the project on KG Profile: \$562,000)	Sep 2016	2 900
13.	Education Bureau (Language Fund)	Workplace English Tic-Tac-Toe	\$606,000 (Including system maintenance cost and promotion expenditure for the first year)	Jan 2016	14 800
14.	Education Bureau (Native-speaking English Teacher (NET) Section)	Reading Town 1	\$395,000	May 2015	40 900
15.	Education Bureau (Native-speaking English Teacher (NET) Section)	Reading Town 2	\$920,000 (For both Reading Town 2 and Reading Town 3)	Oct 2015	17 700
16.	Education Bureau (Native-speaking English Teacher (NET) Section)	Reading Town 3	\$920,000 (For both Reading Town 2 and Reading Town 3)	Oct 2015	13 600
17.	Education Bureau (Personal, Social and Humanities Education Section)	E-book of Understanding the Law, Access to Justice – Basic Law Learning Package (Junior Secondary)	No separate breakdown of the expenditure is available as it is developed as a part of the e-book and e-portal project.	Jun 2015	3 700
18.	Efficiency Unit	1823 Online mobile app	\$700,000	Dec 2015	5 900
19.	Environmental Protection Department	Hong Kong T • PARK	\$713,000 (Including system maintenance cost for the first year)	Jun 2016	4 600
20.	Environmental Protection Department	Don't Fly-Tip	\$197,000 (Including system maintenance cost for the first year)	Jun 2015	590
21.	Environmental Protection Department	PSB Charging	\$200,000	Jun 2015	900
22.	Fire Services Department	Catch time, save life	\$105,000	Apr 2016	5 500
23.	Home Affairs Bureau	18 Handy Tips for Family Education	\$49,000	Mar 2016	3 300
24.	Home Affairs Bureau	Family Education Package for Families with New-born Babies	\$40,000	Jun 2015	1 100
25.	Hongkong Post	ShopThruPost	\$310,000	Oct 2016	200
26.	Information Services Department	"Hong Kong Yearbook 2014"	\$126,000	Nov 2015	1 300
27.	Information Services Department	Discover the Basic Law	Included in the expenditure of the exhibition co-organised with Hong Kong Design Institute.	May 2015	1 200

No.	B/D	App Name	(Approximate) Development Cost	Launch Date	Total Number of Downloads (As at 2016)
28.	Invest Hong Kong	Startmeuphk	\$150,000	Dec 2015	930
29.	Lands Department	VoiceMapHK	Developed and maintained internally. No additional expenditure was involved.	Mar 2016	1 600
30.	Leisure and Cultural Services Department	Stories of the Qing Emperors' Grand Weddings	\$183,000 (Including the maintenance cost during the exhibition period)	Nov 2016	1 400
31.	Leisure and Cultural Services Department	Appreciation of Qing Scientific Instruments	\$550,000	Jun 2015	4 000
32.	Leisure and Cultural Services Department	LCSD Green Hong Kong Campaign	\$214,000	Nov 2015	8 900
33.	Office of the Government Chief Information Officer	HK GovWiFi	\$295,000	May 2015	30 400
34.	Office of the Government Chief Information Officer	iStartup@HK	\$182,000	Oct 2015	1 000
35.	Radio Television Hong Kong	RTHK News	\$336,000	Aug 2015	80 700
36.	Security Bureau	Safeguard HK	\$610,000	Mar 2016	28 200
37.	Transport Department	eTraffic News	\$210,000	Sep 2016	25 800
38.	Yuen Long District Office	Pilot Scheme on Enhancement of District Administration Through District Management Committees in Yuen Long	\$59,000	Oct 2015	1 300
New Mobile apps launched in 2017					
No.	B/D	App Name	(Approximate) Development Cost	Launch Date	Total Number of Downloads (As at Feb 2017)
39.	Companies Registry	CR eFiling	\$297,000	Feb 2017	630
40.	Development Bureau	My Kowloon East (MyKE)	Developed by deploying internal resources. No additional expenditure was involved	Jan 2017	2 000
41.	Tourism Commission	HK Food Truck	\$130,000	Feb 2017	23 000

Information of the mobile apps planned to be developed by government departments in 2017-18

No.	Government Department	App Name	Development Cost	Expected Launch Date
1.	Independent Commission Against Corruption	ICAC Smartphone App 2.0 (Upgrade of the existing ICAC Smartphone App)	Around \$560,000	Early 2017
2.	Hongkong Post	Hongkong Post Stamps	Around \$150,000	Apr 2017
3.	Department of Health (Special Preventive Programme)	1069 Test Finder (Bilingual version)	Around \$150,000	Apr 2017
4.	Department of Health (Central Health Education Unit)	Snack Classification Apps (Tentative title)	Around \$198,000	Mid 2017
5.	Education Bureau	說話加油站 (Web based Learning and Teaching Support)	Around \$450,000	Apr 2017
6.	Food and Environmental Hygiene Department	Internet Memorial Service Mobile App	Around \$300,000	Mid 2017
7.	Leisure and Cultural Services Department	“Bamboo in Our Life: Museum of Art at My Home” (Tentative title)	Around \$150,000	Mid 2017
8.	Hong Kong Housing Authority	Mobile Application to Public Rental Housing Tenants (MART) on Rent Related Services	Around \$600,000	2017 Q4
9.	Leisure and Cultural Services Department	Museum Multi-media Information Guide System (MMIS)	The app is a part of the MMIS project. As it is not a stand-alone project, no separate breakdown of the expenditure is available.	Dec 2017
10.	Tourism Commission	A Symphony of Lights (SoL)	No separate breakdown of the expenditure is available. Total project cost is around \$1,480,000	Dec 2017
11.	Marine Department	eSeaChart (Tentative title)	No separate breakdown of the expenditure is available. Total project cost is around \$3,300,000	Oct 2018

- End -

CONTROLLING OFFICER'S REPLY

ITB155

(Question Serial No. 4157)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

It is mentioned under this Programme that the Government will launch the expanded “Wi-Fi.HK” programme. In this connection, please list out in tabular form the numbers of “Wi-Fi.HK” (hotspots) expanded in 18 districts. What are the locations, manpower and expenditure involved?

As the Government increases the numbers of Wi-Fi hotspots, the recurrent maintenance costs and Internet access fees involved will be greatly increased. What are the respective annual costs at present? How will the Government reduce the costs in this regard, and achieve cost-effectiveness on the usage and maintenance costs in order to avoid under-usage with high maintenance costs?

Although the installation of substantial public Wi-Fi facilities by the Government will facilitate easy access to the Internet by the public, the security arrangements have not been guaranteed. Some information and communications technology experts have pointed out that it is dangerous to use unencrypted free Wi-Fi networks because data stored in the mobile phones of users may be stolen by hackers through the networks. In this connection, what are the security measures taken by the Government for public Wi-Fi facilities? What can be done to ensure that there will be no data leakage when the citizens go online with their mobile phones? How can the public be educated to choose unauthenticated public Wi-Fi networks with due care?

Asked by: Hon CHAN Chi-chuen (Member Question No. 116)

Reply:

In May 2016, the Finance Committee of the Legislative Council approved a funding commitment of \$500 million for implementing the “Wi-Fi Connected City” programme to further expand the coverage and number of hotspots of the “Wi-Fi.HK” brand. As at

end-February 2017, the number of “Wi-Fi.HK” hotspots increased to more than 19 000. The distribution of Wi-Fi hotspots in the 18 districts is as follows:

	Number of “Wi-Fi.HK” Hotspots
Hong Kong	
Central and Western District	3 279
Eastern District	490
Southern District	962
Wan Chai District	1 030
Kowloon	
Kowloon City District	3 411
Yau Tsim Mong District	1 173
Sham Shui Po District	476
Wong Tai Sin District	187
Kwun Tong District	480
New Territories	
Tai Po District	219
Yuen Long District	325
Tuen Mun District	1 292
North District	194
Sai Kung District	926
Sha Tin District	3 417
Kwai Tsing District	335
Tsuen Wan District	336
Islands District	519
Total:	19 051

Locations of the venues of “Wi-Fi.HK” can be found at the link below:
<http://www.wi-fi.hk/en/Hotspot/Location>

The total expenditure for Wi-Fi related programmes in 2016-17 was about \$18.95 million, which included the expenditure for establishing and promoting the “Wi-Fi.HK” brand; preparation, management and support for the implementation of the “Wi-Fi Connected City” programme; and operation of the new service under “Government Wi-Fi” (“GovWiFi”). For the “GovWiFi” service, the maintenance cost and Internet access fees totalled about \$6.1 million. The manpower required was met by internal deployment within the Government. For Wi-Fi service with free usage time installed and operated by service providers at government venues through the public-private collaboration model under the “Wi-Fi Connected City” programme, the maintenance cost and Internet access fees are borne by the service providers without any funding support from the Government.

To ensure that the quality of the “GovWiFi” service meets service requirements and is cost-effective, we will monitor the bandwidth usage at different venues, regularly review and adjust the bandwidth and number of hotspots at these venues so as to balance between service usage and the expenditure on Internet access fees and maintenance costs.

To ensure the security of free Wi-Fi service, the Government has adopted digital server certificates for all “Wi-Fi.HK” service provided at government venues to enable Wi-Fi service users to verify the identity of the service provider, thereby minimising the risk of the public accessing fake “Wi-Fi.HK” service. Currently, 25 “Wi-Fi.HK” participating organisations are using digital server certificates, covering more than 10 000 hotspots. We encourage other “Wi-Fi.HK” participating organisations to use digital server certificates for their “Wi-Fi.HK” service to provide safe, fast and reliable Wi-Fi service to the public.

Moreover, we will provide the latest security information, including those on the use of Wi-Fi service, to the public through various channels such as the “InfoSec” website and the “Cyber Security Information Portal”; and organise seminars and forums to explore and disseminate knowledge on cyber security to the public. The “Guidelines on the Security Aspects for the Design, Implementation, Management and Operation of Public Wi-Fi Service” issued by the Office of the Communications Authority also provide Wi-Fi service providers with practical guidance on implementing Wi-Fi network security measures.

- End -

CONTROLLING OFFICER'S REPLY

ITB156

(Question Serial No. 4160)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

It is mentioned in the Budget that the Government will invite Cyberport to study the latest technology and products development and explore further promotion of e-sports in Hong Kong. In this connection, has the Government compiled any statistics on the existing number of e-sports practitioners? What business opportunities are generated by related industries? Will the Bureau invite Cyberport to provide support for promoting e-sports and facilitating industry development? What are the details in this regard? What is the estimated expenditure for this year for promoting the industry? How will the Government provide e-sports venues?

Asked by: Hon CHAN Chi-chuen (Member Question No. 119)

Reply:

E-sports is a new area with economic development potential for Hong Kong, which can help promote the local gaming industry and innovation and technology development, such as application of virtual reality technologies. Hong Kong is well-placed to develop e-sports with its advanced information and communications technology infrastructure, freedom of information, and experiences in holding large-scale international competitions. The Government has invited Cyberport to study the latest e-sports technology and the relevant industry development, including employment situation and business opportunities, and make recommendation on appropriate e-sports venues. Cyberport will take forward this with its own resources and no government expenditure will be incurred.

Cyberport has commenced the related work. It is expected that Cyberport will submit the relevant study findings and recommendations to the Government in mid-2017. Having regard to Cyberport study report, we will consider steps to further promote the development of e-sports.

- End -

CONTROLLING OFFICER'S REPLY

ITB157

(Question Serial No. 0102)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

The estimated expenditure under Programme (3) for 2017-18 is 13.3% higher than the revised estimate this year. Please inform this Committee of the following:

- 1) The expenditure is mainly for salaries and departmental expenses. What is the breakdown of the expenditure? What are the reasons for the increase?
- 2) The Government has launched the Funding Scheme for Digital Inclusion Mobile Apps since 2012. What are the details of the approved cases? What is the number of users and the amount of funding involved?

Asked by: Hon CHAN Chun-ying (Member Question No. 4)

Reply:

The required information is provided as follows:

- 1) Of the estimated expenditure under Programme (3) for 2017-18, \$50.0 million and \$31.3 million are provided for personal emoluments and departmental expenses respectively. The estimated expenditure is \$13.9 million (13.3%) higher than the 2016-17 Revised Estimates. This is mainly due to larger requirements in personal emoluments and departmental expenses and the additional provision for 2 general non-recurrent projects, namely "Providing Public Wi-Fi services in Study Rooms and Youth Service Centres" and "Internet Access for Needy Students".

- 2) The name, organisation, number of downloads and amount of funding of the apps funded under the Funding Scheme for Digital Inclusion Mobile Apps are as follows:

Name (Mobile App)	Organisation	Number of Downloads (as at 28 February 2017)	Amount of Funding (\$)
Auditory and Speech Training App	Hong Kong Society for the Deaf	1 496	216,000
“Learn smart” teaching material publishing platform	Hong Kong Lutheran Social Service	4 905	178,000
Stories for Social Skills Made Easy	SAHK	22 384	210,000
Searching & Exploring with Speech Augmented Map Information	Hong Kong Blind Union	1 605	393,000
Barrier-free Travel Guide	Hong Kong Federation of Handicapped Youth	4 043	285,000
eElderly Activity Search	Hong Kong Society for the Aged	17 748	377,000
Hong Kong Easy	Yang Memorial Methodist Social Service	3 036	338,000
Articulation Screening and Training Tool	Hong Kong Society for the Deaf	1 102	433,000
HOPE Chinese Character Game	Hong Kong Young Women’s Christian Association	24 919	428,000
MathAid	Ebenezer School and Home for the Visually Impaired	2 919	174,000
SignChat	Hong Kong Association of the Deaf	3 666	461,000
One Click to Know Dementia	Jockey Club Centre for Positive Ageing	10 487	367,000
Early Literacy*	SAHK	178	455,000
Smart and Fit DS Kids*	Hong Kong Down Syndrome Association	124	385,000
Tap My Dish*	Hong Kong Blind Union	412	482,000
Silence Sign Language Interpretation App*	Silence Limited	33	379,000

AngeLINK*	Hong Kong Young Women's Christian Association	181	451,000
Total:			6,012,000

* Apps launched progressively starting from February 2017

- End -

CONTROLLING OFFICER'S REPLY

ITB158

(Question Serial No. 3256)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (1) Use of IT in Government

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

What are the amounts of expenditure, the annual download and usage rates of the mobile applications (apps) developed with government departments' funding in the past 5 years? How will the Government follow up those apps with sustained low download and usage rates? What criteria or indicators do government departments have to comply with or meet before deciding to fund the development of apps?

Asked by: Hon CHAN Han-pan (Member Question No. 85)

Reply:

The development costs and numbers of download of mobile apps that were developed by government bureaux and departments (B/Ds) in the past 5 years that are still in use now are set out at the Annex. The Office of the Government Chief Information Officer (OGCIO) does not have the annual numbers of download and usage rates of each mobile app.

OGCIO has been supporting B/Ds through various measures to develop user-friendly mobile apps that meet users' needs, including the formulation of a practice guide for B/Ds' reference. The practice guide revised by OGCIO in 2016 requires B/Ds to set objectives, understand the needs of target user groups, make a reasonable estimation of the download rates and evaluate the potential benefits that the mobile apps may bring to the Government and the public before considering the development of mobile apps.

We notice that some mobile apps are developed for specific user groups, their usage or download rates may be rather limited. Nevertheless, the revised Practice Guide for Developing Mobile Apps released by OGCIO in 2016 has also stated the importance of promotion and marketing. When a new mobile app is to be launched, B/Ds should conduct appropriate publicity and promotion to allow target users to understand the objectives and usage of the app. In addition, the "GovHK Apps" and the GovHK website of OGCIO have also included a list of mobile apps provided by the Government to facilitate the promotion of government mobile apps.

Development costs and download rates of the mobile apps developed by B/Ds in the past 5 years (i.e. 2012-13 to 2016-17)

No.	Government Department	App Name	(Approximate) Development Cost	Number of Downloads (As at 2016)
1.	Agriculture, Fisheries and Conservation Department	Country Parks Tree Walks	\$615,000 (Including system maintenance cost for the first year)	42 300
2.	Agriculture, Fisheries and Conservation Department	Enjoy Hiking	\$50,000	338 000
3.	Agriculture, Fisheries and Conservation Department	Red Tide Information Network	\$128,000	1 600
4.	Agriculture, Fisheries and Conservation Department	Reef Check Hong Kong	\$95,000	7 500
5.	Architectural Services Department	Architour	\$546,000	3 700
6.	Buildings Department	Quick Guide for Mandatory Building Inspection Scheme/ Mandatory Window Inspection Scheme	\$299,000	3 300
7.	Buildings Department	Quick Guide for Minor Works	\$290,000	16 900
8.	Customs and Excise Department	HK Car First Registration Tax	\$230,000	7 700
9.	Civil Engineering and Development Department	Greener Slopes Better Cityscape	Developed and maintained internally. No additional expenditure was involved.	200

No.	Government Department	App Name	(Approximate) Development Cost	Number of Downloads (As at 2016)
10.	Civil Engineering and Development Department	HK Geology	\$1,000	5 400
11.	Civil Engineering and Development Department	HK Landslides	Developed and maintained internally. No additional expenditure was involved.	1 100
12.	Civil Engineering and Development Department	HK Slope Safety	Developed and maintained internally. No additional expenditure was involved.	800
13.	Civil Service Bureau	Government Vacancies	\$980,000	238 000
14.	Constitutional and Mainland Affairs Bureau	A Basic Law Quiz A Day	\$296,000 (Including the maintenance cost for the first year)	22 000
15.	Correctional Services Department	Hong Kong Correctional Services Department Mobile App	\$308,000	9 400
16.	Department of Health (Central Health Education Unit)	CookSmart: EatSmart Recipes	\$258,000	28 900
17.	Department of Health (Central Health Education Unit)	EatSmart Restaurant	\$76,000	17 800
18.	Department of Health (Central Health Education Unit)	Snack Nutritional Classification Wizard	\$84,000	10 200
19.	Department of Health (Family Health Service)	Info for Nursing Mum	Developed and maintained internally. No additional expenditure was involved.	6 100

No.	Government Department	App Name	(Approximate) Development Cost	Number of Downloads (As at 2016)
20.	Department of Health (Infection Control Branch)	HKeIC	\$150,000	820
21.	Department of Health (Infection Control Branch)	IMPACT (English version only)	\$146,000	10 700
22.	Department of Health (Primary Care Office)	Framework@PC (English version only)	\$196,000	1 800
23.	Department of Health (Primary Care Office)	Primary Care Directory	\$840,000	21 300
24.	Department of Health (Special Preventive Programme)	1069 試戴樂 (Chinese version only)	\$148,000	26 900
25.	Department of Health (Student Health Service)	Student Body Weight for Height Check	\$286,000	18 600
26.	Department of Health (Tobacco Control Office)	Quit Smoking App	\$295,000	44 400
27.	Development Bureau	Tree & Landscape Map	\$282,000	5 800
28.	Development Bureau (In collaboration with Construction Industry Council)	Construction Safety App	\$883,000 (Including the maintenance cost for the first two years)	11 100
29.	Development Bureau (In collaboration with Construction Industry Council)	Working at Height Training	\$160,000	2 800
30.	Drainage Services Department	DSD Connect	\$170,000	2 500

No.	Government Department	App Name	(Approximate) Development Cost	Number of Downloads (As at 2016)
31.	Education Bureau (Applied Learning Section)	ApL	\$217,000	10 000
32.	Education Bureau (Curriculum Resources Section)	ETV App	\$49,000	44 900
33.	Education Bureau (Further Education Division)	Mobile App for Concourse and E-APP	\$275,000	10 400
34.	Education Bureau (Information Technology in Education Section)	Eye Care for Hong Kong Students	Development cost was included in the operating cost.	800
35.	Education Bureau (Kindergarten Administration Section)	Profile of Kindergartens or Kindergarten-cum-Child Care Centres 2016	No separate breakdown of the expenditure is available. Total cost of the project on the Profile is \$562,000	2 900
36.	Education Bureau (Language Fund)	Workplace English Tic-Tac-Toe	\$606,000 (Including maintenance cost and promotion expenditure for the first year)	14 800
37.	Education Bureau (Life-wide Learning and Library Section)	e-Navigator	\$750,000	142 000
38.	Education Bureau (Native-speaking English Teacher (NET) Section)	Reading Town 1	\$395,000	40 900
39.	Education Bureau (Native-speaking English Teacher (NET) Section)	Reading Town 2	\$920,000 (For both Reading Town 2 and Reading Town 3)	17 700

No.	Government Department	App Name	(Approximate) Development Cost	Number of Downloads (As at 2016)
40.	Education Bureau (Native-speaking English Teacher (NET) Section)	Reading Town 3	\$920,000 (For both Reading Town 2 and Reading Town 3)	13 600
41.	Education Bureau (Personal, Social and Humanities Education Section)	E-book of Understanding the Law, Access to Justice – Basic Law Learning Package (Junior Secondary)	No separate breakdown of the expenditure is available as it is developed as a part of the e-book and e-portal project.	3 700
42.	Education Bureau (Speech and Hearing Services Section)	Hearing-Impaired Students' Lexicon Learning	No separate breakdown of the expenditure is available. Total cost of the Hearing-Impaired Students' Lexicon Learning Resources Kit project is around \$170,000.	2 300
43.	Efficiency Unit	1823 Online mobile app	\$700,000	5 900
44.	Efficiency Unit	SIE Fund	\$300,000	4 800
45.	Efficiency Unit	Tell me@1823 mobile app	Developed and maintained internally. No additional expenditure was involved.	86 000
46.	Efficiency Unit	Youth.gov.hk	\$700,000	12 200
47.	Environmental Protection Department	Don't Fly-Tip	\$197,000 (Including the maintenance cost for the first year)	590
48.	Environmental Protection Department	Hong Kong Air Quality Health Index (AQHI)	\$160,000	58 800

No.	Government Department	App Name	(Approximate) Development Cost	Number of Downloads (As at 2016)
49.	Environmental Protection Department	Hong Kong T ▪ PARK	\$713,000 (Including the maintenance cost for the first year)	4 600
50.	Environmental Protection Department	Waste Less	\$753,000 (Including the maintenance cost for the first year)	16 000
51.	Financial Secretary's Office (Economic Analysis and Business Facilitation Unit)	Business Consultation e-Platform mobile application	\$248,000	3 600
52.	Fire Services Department	Catch time, save life	\$105,000	5 500
53.	Fire Services Department	Hong Kong Fire Services Mobile Application	\$900,000	26 100
54.	Fire Services Department	Live safe, be watchful	\$250,000	26 200
55.	Fire Services Department	Stay Calm & Collected	\$250,000	33 800
56.	Food and Environmental Hygiene Department	Food Safety	\$264,000	9 600
57.	Food and Environmental Hygiene Department	Nutrition Calculator	\$150,000	81 800
58.	Home Affairs Bureau	"M" Mark Events App	\$70,000	1 300
59.	Home Affairs Bureau	18 Handy Tips for Family Education	\$49,000	3 300

No.	Government Department	App Name	(Approximate) Development Cost	Number of Downloads (As at 2016)
60.	Home Affairs Bureau	Family Education Package for Families with New-born Babies	\$40,000	1 100
61.	Home Affairs Department	Tuen Mun BM	\$138,000	500
62.	Home Affairs Department	Eco Shopping & Cultural Tour in Tuen Mun	\$180,000	3 200
63.	Home Affairs Department	Heritage in Kam Tin	\$269,000	4 500
64.	Home Affairs Department	Pilot Scheme on Enhancement of District Administration Through District Management Committees in Yuen Long	\$59,000	1 200
65.	Home Affairs Department	“Tai Po Fun” – An app on Tourist Information on Tai Po	\$180,000	2 800
66.	Home Affairs Department	Hong Kong Licensed Hotels and Guesthouses	\$178,000	5 600
67.	Hong Kong Observatory	iCWeatherOS	Developed and maintained internally. No additional expenditure was involved.	5 600
68.	Hong Kong Observatory	MyObservatory	Developed and maintained internally. No additional expenditure was involved.	6 206 000

No.	Government Department	App Name	(Approximate) Development Cost	Number of Downloads (As at 2016)
69.	Hong Kong Observatory	MyWorldWeather	Developed and maintained internally. No additional expenditure was involved.	213 000
70.	Hong Kong Police Force	Hong Kong Police Mobile Application	\$750,000	155 000
71.	Hongkong Post	Hongkong Post	\$328,000	251 000
72.	Hongkong Post	ShopThruPost	\$310,000	200
73.	Independent Commission Against Corruption	ICAC Corruption Fighters	Included in the development cost of ICAC Smartphone App.	1 800
74.	Independent Commission Against Corruption	ICAC eBooks Tablet App	\$212,000	600
75.	Independent Commission Against Corruption	ICAC Smartphone App	\$480,000	6 000
76.	Immigration Department (ImmD)	Hong Kong ImmD Mobile Application	\$130,000	136 000
77.	Information Services Department	“Hong Kong Yearbook 2014”	\$126,000	1 300
78.	Information Services Department	Government Bookstore	\$650,000	12 200
79.	Information Services Department	news.gov.hk	\$270,000	36 900
80.	Intellectual Property Department	“No Fakes Pledge” Shop Search	\$389,600 (Including the maintenance cost for the first year)	23 100

No.	Government Department	App Name	(Approximate) Development Cost	Number of Downloads (As at 2016)
81.	Labour Department	iES	\$125,000	741 000
82.	Labour Department	Work Safety Alert	\$75,000	14 900
83.	Labour Department	Youth Employment Start	\$149,000 (Including the maintenance cost for the first year)	13 200
84.	Lands Department	MyMapHK	Developed and maintained internally. No additional expenditure was involved.	153 000
85.	Lands Department	VoiceMapHK	Developed and maintained internally. No additional expenditure was involved.	1 600
86.	Leisure and Cultural Services Department	Bruce Lee: Kung Fu • Art • Life	\$128,000 (Including the maintenance cost for the first year)	44 700
87.	Leisure and Cultural Services Department	Fitness Walking	\$250,000	53 300
88.	Leisure and Cultural Services Department	Multimedia Information	The app is a part of the Museum Multimedia Information Guide System (MMIS) Project. Its development cost is included in the MMIS Major Project. As it is not a stand-alone project, no separate breakdown of the expenditure is available.	24 900

No.	Government Department	App Name	(Approximate) Development Cost	Number of Downloads (As at 2016)
89.	Leisure and Cultural Services Department	My Culture	No separate breakdown of the expenditure is available. Total cost of the My Culture project is around \$2,300,000.	42 500
90.	Leisure and Cultural Services Department	My Library	No separate breakdown of the expenditure is available. Total cost of the project is around \$3,320,000.	253 000
91.	Leisure and Cultural Services Department	My URB-TIX	Developed and maintained internally. No additional expenditure was involved.	368 000
92.	Leisure and Cultural Services Department	Star Hoppers	\$700,000	121 000
93.	Leisure and Cultural Services Department	Stories of the Qing Emperors' Grand Weddings	\$183,000 (including the maintenance cost during the exhibition period)	1 400
94.	Office of the Communications Authority	OFCA Broadband Performance Test	Covered by OFCA Trading Fund.	100 000
95.	Office of the Government Chief Information Officer	e-Auth	Developed and maintained internally. No additional expenditure was involved.	1 800
96.	Office of the Government Chief Information Officer	EventHK	Developed and maintained internally. No additional expenditure was involved.	41 900

No.	Government Department	App Name	(Approximate) Development Cost	Number of Downloads (As at 2016)
97.	Office of the Government Chief Information Officer	GovHK Apps	\$600,000	177 000
98.	Office of the Government Chief Information Officer	GovHK Notifications	Developed and maintained internally. No additional expenditure was involved.	723 000
99.	Office of the Government Chief Information Officer	HK GovWiFi	\$295,000	30 400
100.	Office of the Government Chief Information Officer	iStartup@HK	\$182,000	1 000
101.	Office of the Government Chief Information Officer	Wi-Fi.HK	\$340,000	215 000
102.	Planning Department	City Gallery	\$263,000	5 200
103.	Radio Television Hong Kong	Chinese History – the Flourishing Age	\$450,000	86 600
104.	Radio Television Hong Kong	RTHK On The Go	\$200,000	1 815 000
105.	Radio Television Hong Kong	RTHK Cube	\$174,000	45 000
106.	Radio Television Hong Kong	RTHK LENS	Developed and maintained internally. No additional expenditure was involved.	4 700
107.	Radio Television Hong Kong	RTHK Memory	\$280,000	22 100
108.	Radio Television Hong Kong	RTHK Mine	\$409,000	215 000

No.	Government Department	App Name	(Approximate) Development Cost	Number of Downloads (As at 2016)
109.	Radio Television Hong Kong	RTHK News	\$336,000	80 700
110.	Radio Television Hong Kong	RTHK Screen	\$250,000	310 000
111.	Radio Television Hong Kong	RTHK Vox	\$380,000	7 600
112.	Security Bureau	Safeguard HK	\$610,000	28 200
113.	Social Welfare Department	3E Mobile App	\$47,000	500
114.	Social Welfare Department	Senior Citizen Card Scheme	\$147,000	34 200
115.	Transport Department	eTraffic News	\$210,000	25 800
116.	Transport Department	Hong Kong eRouting	\$1,930,000	153 000
117.	Transport Department	Hong Kong eTransport	\$1,100,000	1 613 000
118.	Water Supplies Department	WSD Mobile App	\$1,573,000	16 200

New mobile apps launched in 2017				
No.	Government Department	App Name	(Approximate) Development Cost	Number of Downloads (As at Feb 2017)
119.	Companies Registry	CR eFiling	\$297,000	630
120.	Development Bureau	My Kowloon East (MyKE)	Developed and maintained internally. No additional expenditure was involved.	2 000
121.	Tourism Commission	HK Food Truck	\$130,000	23 000

- End -

CONTROLLING OFFICER'S REPLY

ITB159

(Question Serial No. 6185)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Please provide information on the numbers and manpower of district cyber centres, numbers of activities held by district cyber centres and the expenditure involved in the past 5 years. Has the Government reviewed how the above measure can achieve the objective of supporting the disadvantaged youth?

Asked by: Hon CHEUNG Chiu-hung, Fernando (Member Question No. 1214)

Reply:

The District Cyber Centres Scheme (the Scheme) supports social service organisations to operate different kinds of district cyber centres across the territory. These centres serve different community groups through different activities like the provision of computer facilities, Internet access service, training and technical support, with a view to facilitating the community groups to integrate into the society.

The Scheme was implemented by the District Cyber Centres Alliance (DCCA), comprising Hong Kong Cyberport Management Company Limited, Hong Kong Council of Social Service (HKCSS) and the Internet Professional Association. Between its inception in 2008-09 and 2011-12, the Scheme had helped the participating centres purchase over 1 000 computers for use by the public at these centres, and organised around 6 000 computer training courses. Over 250 000 participants had used the computer facilities in the centres or attended the computer training courses and ICT-related activities, amounting to 600 000 man-hours of participation. The number of participating centres had increased from 33 upon launching of the Scheme to 57 centres across various districts in Hong Kong. The Government allocated a total of \$26.56 million to support the implementation of the Scheme. DCCA also obtained sponsorship of over \$28 million, in cash or in kind, from the industry to make the Scheme more effective.

With the Scheme achieving its objectives, the Government has appointed the Information Technology Resource Centre (ITRC) of HKCSS to continue to operate the Scheme on a self-financing basis from 2012-13 onwards, with a one-off grant of \$1 million to ITRC for the transition. With its community and industry network, ITRC has been assisting various district cyber centres to continue with the provision of ICT support for the needy groups in their neighbourhood in the past 5 years.

- End -

CONTROLLING OFFICER'S REPLY

ITB160

(Question Serial No. 6186)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (2) IT Infrastructure and Standards

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

In paragraph 85 of the Policy Address, the Government puts forward the concept of smart city. Please advise on whether the needs of persons with disabilities are considered so as to bring convenience to their lives.

Asked by: Hon CHEUNG Chiu-hung, Fernando (Member Question No. 2257)

Reply:

The Policy Address 2017 mentioned that the Government would develop Hong Kong as a smart city. The Office of the Government Chief Information Officer has engaged a consultant to conduct a study for formulating the blueprint for smart city development in Hong Kong. The study is expected to be completed in mid-2017. Having regard to the consultancy report and the circumstances and needs of different groups (including persons with disabilities), we will consider implementing smart city development proposals which are suitable for Hong Kong.

- End -

CONTROLLING OFFICER'S REPLY

ITB161

(Question Serial No. 6634)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding internship programmes in information technology for students as mentioned in paragraph 111 of the Budget Speech, will the Government consider setting a certain ratio of internship places for capable students with disabilities or special educational needs?

Asked by: Hon CHEUNG Chiu-hung, Fernando (Member Question No. 2255)

Reply:

It was stated in the speech for the Appropriation Bill 2016 that IT internship would be arranged for students. The Government launched the 8-year Enriched IT Programme in Secondary Schools in the 2015/16 school year under which 8 partner schools operate Enriched IT Classes to provide intensive IT training to students who are interested and talented in IT. We plan to arrange internship for Secondary Six students of Enriched IT Classes starting from the 2017/18 school year. Where individual students' physical conditions require special care, the concerned organisations will make appropriate arrangements for these student to participate in the internship. We have not set a specific ratio of internship places for students with disabilities or special educational needs.

- End -

CONTROLLING OFFICER'S REPLY

ITB162

(Question Serial No. 5230)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Please provide details on the Government's efforts to encourage the development of ICT-related assistive technology for application by persons with disabilities in each of the past 3 years, including the expenditure, progress, effectiveness and ways to encourage development, etc. What are the budget and work direction for 2017-18?

Asked by: Hon HUI Chi-fung (Member Question No. 56)

Reply:

The Office of the Government Chief Information Officer launched the Funding Scheme for Digital Inclusion Mobile Apps (the Scheme) to provide funding support for non-profit social service organisations to develop mobile apps that address the needs of various target groups (including persons with disabilities (PWDs)). We organised briefing sessions and exchange sessions to encourage non-profit social service organisations to join the Scheme to develop mobile apps for use by persons with special needs (including PWDs). In the past 3 years, under the Scheme, non-profit social service organisations developed a total of 8 mobile apps that cater for the needs of PWDs for free use. The total amount of funding was about \$3.2 million. As at end-February 2017, these mobile apps recorded over 33 000 downloads in total.

The Innovation and Technology Bureau will launch the "Innovation and Technology Fund for Better Living" (the Fund) in mid-2017 to support innovation and technology projects that can make the daily life of Hong Kong people more convenient, more comfortable and safer; or address the needs of specific groups (including PWDs). The Scheme will be covered in the funding scope of the Fund.

- End -

CONTROLLING OFFICER'S REPLY

ITB163

(Question Serial No. 5231)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Please provide details on the Government's efforts to encourage the development of ICT-related assistive technology for application by ethnic minorities in each of the past 3 years, including the expenditure, progress, effectiveness and ways to encourage development, etc. What are the budget and work direction for 2017-18?

Asked by: Hon HUI Chi-fung (Member Question No. 57)

Reply:

The Office of the Government Chief Information Officer launched the Funding Scheme for Digital Inclusion Mobile Apps (the Scheme) to provide funding support for non-profit social service organisations to develop mobile apps that address the needs of various target groups (including ethnic minorities). We organised briefing sessions and exchange sessions to encourage non-profit social service organisations to develop mobile apps for use by persons with special needs (including ethnic minorities). For example, a non-governmental organisation was funded under the Scheme in 2012-13 to develop a mobile app titled "Hong Kong Easy" to help ethnic minorities learn Cantonese for integrating into local life. The app was launched for free use in end-2013 and had recorded over 3 000 downloads up to end-February 2017.

The Innovation and Technology Bureau will launch the "Innovation and Technology Fund for Better Living" (the Fund) in mid-2017 to support innovation and technology projects that can make the daily life of Hong Kong people more convenient, more comfortable and safer; or address the needs of specific groups (including ethnic minorities). The Scheme will be covered in the funding scope of the Fund.

- End -

CONTROLLING OFFICER'S REPLY**ITB164****(Question Serial No. 5232)**

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Please provide details on the Government's efforts to encourage the development of ICT-related assistive technology for application by the elderly in each of the past 3 years, including the expenditure, progress, effectiveness and ways to encourage development, etc. Does the Government assess whether the budget in this regard is sufficient? What are the budget and work direction for 2017-18? Does the Government provide the elderly with financial support for using these research deliverables?

Asked by: Hon HUI Chi-fung (Member Question No. 58)

Reply:

The Office of the Government Chief Information Officer launched the Funding Scheme for Digital Inclusion Mobile Apps (the Scheme) to provide funding support for non-profit social service organisations to develop mobile apps that address the needs of various target groups (including the elderly). We organised briefing sessions and exchange sessions to encourage non-profit social service organisations to join the Scheme to develop mobile apps for use by persons with special needs (including the elderly). In the past 3 years, under the Scheme, non-profit social service organisations developed 2 mobile apps that cater for the needs of the elderly. The total amount of funding support was about \$0.82 million. As at end-February 2017, these mobile apps recorded over 10 000 downloads in total. The Innovation and Technology Bureau will launch the "Innovation and Technology Fund for Better Living" (the Fund) in mid-2017 to support innovation and technology projects that can make the daily life of Hong Kong people more convenient, more comfortable and safer; or address the needs of specific groups (including the elderly). The above Scheme will be covered in the funding scope of the Fund.

In addition, we launched the ICT Outreach Programme for Elderly (the Outreach Programme) and through the non-governmental organisations engaged to educate the elderly on the application of information and communications technology and encourage

them to use the above digital inclusion mobile apps that address the needs of the elderly. From July 2015 to August 2016, the funded organisations served a total of 63 residential care homes for the elderly and day care centres with a total expenditure of about \$1.09 million. We plan to launch a new round of Outreach Programme in the second half of 2017 with an implementation period of 12 months. The estimated expenditure is \$1.26 million.

- End -

CONTROLLING OFFICER'S REPLY

ITB165

(Question Serial No. 2793)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

The Government stated last year that Cyberport will roll out its designated programme for financial technology (Fintech) start-ups in 2016-17 and provide training to the industry through its incubation programme to promote the Blockchain technology for developing more services and products.

Please provide a detailed breakdown of the progress made thus far, and the manpower and expenditures involved.

Asked by: Hon LEUNG Kenneth (Member Question No. 14)

Reply:

To promote the development of financial technology (FinTech), Cyberport launched a designated incubation programme in 2016-17 to support 150 FinTech start-ups in the coming 5 years. It will also sponsor 300 university students to join FinTech training camps in overseas universities. As at end-February 2017, 54 FinTech start-ups had joined the FinTech incubation programme, and 53 university students had participated in the Entrepreneurship Boot Camp in Silicon Valley arranged by the Stanford Graduate School of Business. In addition, Cyberport has provided 47 300 square foot of Smart-Space designated for FinTech companies.

To promote blockchain and enhance the industry's knowledge in this regard, Cyberport organised "Blockchain Strategies for Business" and "FinTech O-2-O Global Summit" in 2016-17, bringing together local and global leaders, and experts from the FinTech industry to explore and exchange views on the development potential, business value and application strategy of blockchain technology in different industries in Hong Kong and around the world.

Cyberport implemented the above with its own resources. No government expenditure was incurred.

- End -

CONTROLLING OFFICER'S REPLY**ITB166****(Question Serial No. 5084)**

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title): (000) Operational expenses

Programme: Not Specified

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Please inform this Committee in tabular form of the establishment, rank, salaries, allowances and personnel related expenses of the following Divisions in the estimated expenditure of the Office of the Government Chief Information Officer in 2017-18:

- Directorate Staff
- Industry Facilitation Division (IF)
- Governance and Resources Division (G&R)
- IT Strategy Division (IS)
- IT Operations Division (OP)
- Digital Inclusion Division (DI)
- Projects Division (P)
- Strategy Development Division (SD)

Asked by: Hon LEUNG Kwok-hung (Member Question No. 2014)

Reply:

The required information is provided as follows:

(I) Directorate Staff:

Total Directorate Establishment	Ranks	Total Personal Emoluments~ (\$'000)	Total Personnel Related Expenses^ (\$'000)
16	Government Chief Information Officer (1) Administrative Officer Staff Grade B (1) Deputy Director of Information Technology Services (1)	32,004	19

Total Directorate Establishment	Ranks	Total Personal Emoluments~ (\$'000)	Total Personnel Related Expenses^ (\$'000)
	Administrative Officer Staff Grade C (1) Assistant Director of Information Technology Services (4) Chief Systems Manager (8)		

() Denotes number of posts.

Note: ~ Personal emoluments include salaries, allowances and job-related allowances.

^ Personnel related expenses include Mandatory Provident Fund contribution and Civil Service Provident Fund contribution.

(II) Non-directorate Staff:

	Total Non-directorate Establishment	Ranks	Total Personal Emoluments~ (\$'000)	Total Personnel Related Expenses^ (\$'000)
Industry Development Division	73	Senior Systems Manager Systems Manager Analyst/Programmer I Analyst/Programmer II Senior Computer Operator Data Processor Senior Management Services Officer Management Services Officer I Assistant Clerical Officer Clerical Assistant	59,157	1,295
Governance and Resources Division	71	Senior Systems Manager Systems Manager Analyst/Programmer I Analyst/Programmer II Computer Operation Manager Senior Computer Operator Computer Operator I Computer Operator II Data Processor Executive Officer I Chief Management Services Officer	49,391	558

	Total Non-directorate Establishment	Ranks	Total Personal Emoluments~ (\$'000)	Total Personnel Related Expenses^ (\$'000)
		Senior Management Services Officer Management Services Officer I Chief Training Officer Training Officer I Clerical Officer Assistant Clerical Officer		
Cyber Security and Standards Division (including IT Strategy)	76	Senior Systems Manager Systems Manager Analyst/Programmer I Analyst/Programmer II Statistician Statistical Officer I Assistant Clerical Officer	60,140	1,122
IT Infrastructure Division (including IT Operations)	169	Senior Systems Manager Systems Manager Analyst/Programmer I Analyst/Programmer II Computer Operation Manager Assistant Computer Operation Manager Senior Computer Operator Computer Operator I Computer Operator II Data Processor Executive Officer I Clerical Assistant Workman II	94,904	2,008
Policy and Support Division (including Digital Inclusion and Strategy Development)	41	Senior Systems Manager Systems Manager Analyst/Programmer I Analyst/Programmer II Senior Computer Operator Computer Operator II Data Processor Senior Administrative Officer Administrative Officer Executive Officer I Assistant Clerical Officer	30,111	717
Common Services	74	Senior Systems Manager Systems Manager	56,628	770

	Total Non-directorate Establishment	Ranks	Total Personal Emoluments~ (\$'000)	Total Personnel Related Expenses^ (\$'000)
Division (including Projects Development)		Analyst/Programmer I Analyst/Programmer II Computer Operator I Computer Operator II Data Processor Assistant Clerical Officer Clerical Assistant		

Note: ~ Personal emoluments include salaries, allowances and job-related allowances.

^ Personnel related expenses include Mandatory Provident Fund contribution and Civil Service Provident Fund contribution.

- End -

CONTROLLING OFFICER'S REPLY**ITB167****(Question Serial No. 0421)**

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

It is mentioned in the 2015-16 Budget that the Government will promote cloud computing applications among small and medium enterprises (SMEs) and provide them with relevant training. In the subsequent 2 years, the Government no longer mentioned the related training programmes in Policy Addresses and Budgets. In this connection, will the Government allocate additional financial resources to continue supporting the above initiatives? If yes, what is the estimated expenditure for promoting cloud computing? And what is the estimated expenditure for providing training? If not, what are the reasons?

Asked by: Hon LIAO Cheung-kong, Martin (Member Question No. 23)

Reply:

The Office of the Government Chief Information Officer (OGCIO) launched the SME Cloud Promotion Campaign between December 2014 and June 2015 to provide training and organise promotional activities. The Campaign aims at enhancing SMEs' awareness and adoption of cloud computing solutions, enabling them to better understand the benefits of cloud computing and how to choose cloud computing services for enhancing operational efficiency and competitiveness. The Campaign included the provision of more than 40 free training courses on cloud adoption for SMEs of different sectors, covering retail, catering, import and export trade, logistics and land transport, sales and marketing, as well as human resources management and accounting, benefiting over 3 800 SME practitioners. A competition on cloud computing adoption was also organised to grant the "Best SME Cloud Adopters" Awards and "Best SME Cloud Solutions" Awards.

Apart from the Campaign, OGCIO launched a portal on cloud computing (InfoCloud) in January 2013 to provide SMEs with practical information on cloud computing, user guides and best practices with continuous updates. These publications help SMEs understand the benefits of using cloud computing, how to select cloud services, as well as common issues such as security and switching between service providers of which SMEs should be mindful when adopting cloud services.

According to the Cloud Readiness Index 2016 published by the Asia Cloud Computing Association in March 2016, Hong Kong is regarded as the top city in cloud readiness in the Asia-Pacific region. In addition, according to an industry survey conducted in 2015, more than 80% of the local SME respondents had started adopting cloud computing services, representing a notable increase (about 50%) as compared with the 2014 survey.

Given SMEs' enhanced awareness about cloud computing, the work of promoting cloud computing to SMEs will be included as part of OGCIO's overall support and facilitation work for the industry in 2017-18. There is no separate breakdown of the expenditure.

- End -

CONTROLLING OFFICER'S REPLY

ITB168

(Question Serial No. 1454)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (1) Use of IT in Government

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

It is stated in the Policy Address that the Government has earmarked \$500 million for the Innovation and Technology Bureau to assist government departments in using technology to enhance the quality of public services. According to the performance indicators, although various departments could have information technology (IT) upgrade completed within budget after the implementation of IT projects in the Government, the progress of the projects is far from satisfactory. Only 63% and 66.2% of the projects were completed on schedule in 2015 and 2016 respectively, and only 67% were planned to be completed by the Government in 2017. Why do some projects fail to be completed on schedule while the Government is promoting the use of IT internally? Are there any improvement measures?

Asked by: Hon LIAO Cheung-kong, Martin (Member Question No. 49)

Reply:

The performance indicators concerned mainly reflect the position of IT projects of government bureaux/departments (B/Ds) funded under the Capital Works Reserve Fund. According to the Post-implementation Departmental Returns submitted by B/Ds, the main causes of delay for projects not completed on schedule are that longer time was taken than planned to conduct user requirement studies, system design and procurement, as well as the quality of contractors' deliverables was not meeting requirements.

The Office of the Government Chief Information Officer (OGCIO) attaches great importance to performance indicators. To improve the situation of delays in IT projects, OGCIO has taken into account B/Ds' performance in completing projects on schedule when approving their bids for new project funding starting from 2016. OGCIO will also inform B/Ds of their project delays at quarterly intervals to raise their management's concerns over the issues.

- End -

CONTROLLING OFFICER'S REPLY

ITB169

(Question Serial No. 0521)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

The Office of the Government Chief Information Officer stated that it would induce public innovation by using big data analytics, and had provided support to government departments and private sectors to contribute more open data to the government open data portal “data.gov.hk” and develop more application programming interfaces. In this connection, please advise on the following:

1. Since a penalty of temporary suspension of tendering for 3 months has earlier been imposed on a consultant due to unauthorised use of government information, the engineering industry is particularly concerned that small and medium enterprises are unable to get hold of important technical references and hopes that the Government can release the relevant information and data on a public platform timely to encourage fair competition in the market. Has the Government followed this up? If yes, what are the details? If not, what are the reasons?
2. Have clear standards and guidelines been put in place within the Government for all departments to evaluate and assess objectively what kinds of data can be released through “data.gov.hk” to avoid different assessment and handling of certain data by different departments? If yes, what are the details? If not, what are the reasons?

Asked by: Hon LO Wai-kwok (Member Question No. 13)

Reply:

Upon consultation with the Development Bureau, the required information is provided as follows:

1. The Government has noted the opinions of the public (including the relevant professional sectors) on publishing the “Territorial Population and Employment Data Matrix”. The Planning Department is actively considering opening up the data in order to provide reference for technical assessments conducted by the relevant professional sectors.

2. The Office of the Government Chief Information Officer (OGCIO) has provided internal guidelines for encouraging government bureaux and departments to open up their public sector information and reminding them of the related issues, e.g. meeting the needs of the public, security and privacy. Recommendations on how to adopt the most appropriate digital and machine-readable data formats according to the different nature of the data are also provided. Besides, OGCIO will review the open data on “data.gov.hk” from time to time, and provide technical support to the departments concerned and assist them to improve the quality and usability of their data.

- End -

CONTROLLING OFFICER'S REPLY

ITB170

(Question Serial No. 0523)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

The Government has implemented concessionary measures since 2012 to encourage the industry to convert industrial buildings into data centres and develop high-tier data centres on industrial lots, and it was announced in March 2016 that the implementation of the above concessionary measures would be continued. In this connection, please advise on the following:

1. What are the respective numbers of applications for converting existing industrial buildings into data centres and developing data centres on industrial lots received by the Government, and what are the respective numbers of approved cases since the implementation of the above concessionary measures?
2. Has the Government reviewed the effectiveness of the above concessionary measures, and has consideration been given to providing additional support for high-tier data centre development? If yes, what are the details? If not, what are the reasons?

Asked by: Hon LO Wai-kwok (Member Question No. 16)

Reply:

The required information is provided as follows:

1. Since June 2012, the Government has introduced concessionary measures to encourage the industry to convert industrial buildings into data centres and develop high-tier data centres on industrial lots. As at 9 March 2017, we received a total of 30 applications for converting industrial buildings for data centre use (18 applications approved, 9 being processed and 3 withdrawn), and 3 applications for developing high-tier data centres on industrial lots (1 application approved, 1 being processed and

1 withdrawn).

2. Having regard to the positive response from the industry to the above concessionary measures, the Government decided in March 2016 to continue with these measures. In addition, the Government has reserved 3 hectares of land in Tseung Kwan O for high-tier data centre development. The first site of about 1 hectare was disposed in 2013. The Government plans to dispose the remaining land by open tender as soon as possible. The Office of the Government Chief Information Officer (OGCIO) will continue to work with the Planning Department to identify more suitable sites for data centre development. The Data Centre Facilitation Unit of OGCIO also provides support and coordinate inter-departmental issues for enterprises that are interested in setting up data centres in Hong Kong.

- End -

CONTROLLING OFFICER'S REPLY

ITB171

(Question Serial No. 0531)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (2) IT Infrastructure and Standards

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

According to the Financial Secretary, the Government of the Hong Kong Special Administrative Region is committed to developing Hong Kong into a smart city by leveraging information and technology to enhance city management. The Office of the Government Chief Information Officer is currently conducting a consultancy study. Besides, the Innovation and Technology Bureau is responsible for monitoring the formulation of digital framework and technical standards for smart city development. However, developing a smart city involves various policy areas, which include at least promoting intelligent infrastructure development, implementing environmental-friendly low-carbon development strategies, etc. In this connection, please advise whether the Government has considered setting up an inter-departmental task force or committee to map out comprehensive policies and strategies for smart city development, and actively allocate resources to develop Hong Kong into a low-carbon green and smart city. If yes, what are the details? If not, what are the reasons?

Asked by: Hon LO Wai-kwok (Member Question No. 10)

Reply:

The Office of the Government Chief Information Officer has engaged a consultant to conduct a study for formulating the blueprint for smart city development in Hong Kong. The study covers various policy areas, including environment, healthcare and transport. The consultancy study will put forth recommendations on the arrangement for coordination among different policy areas. The study is expected to be completed in mid-2017.

- End -

CONTROLLING OFFICER'S REPLY

ITB172

(Question Serial No. 1550)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

In 2016-17, the Office of the Government Chief Information Officer (OGCIO) expanded the “Pay e-Cheque” portal services to more government departments. Does OGCIO have any plans to expand the “mobile payment” services to more government departments? If yes, please provide the timetable and the expenditure involved. If not, what are the reasons?

Asked by: Hon MA Fung-kwok (Member Question No. 10)

Reply:

At present, members of the public can make use of different electronic and mobile payment services such as e-Cheque, online banking, credit card, and PPS, for paying government bills and fees.

The Office of the Government Chief Information Officer (OGCIO) has been closely monitoring the adoption of various electronic and mobile payment services available in the market. OGCIO is working with relevant departments to explore the mobile payment technologies which support digital wallets, with a view to introducing the relevant technical solutions in 2017 for the adoption by government departments according to their respective business needs. Apart from the existing resources, the estimated non-recurrent expenditure for OGCIO to develop the technical solutions is about \$0.9 million, which will be funded by the Capital Works Reserve Fund Head 710.

- End -

CONTROLLING OFFICER'S REPLY**ITB173****(Question Serial No. 0884)**

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the release of public data on “data.gov.hk”, please advise on the following:

- (1) As at 28 February 2017, the top 10 datasets with the highest numbers of downloads and the top 10 keywords with the highest numbers of searches;
- (2) As at 28 February 2017, the data-providing organisations, numbers of datasets and numbers of application program interfaces (APIs);

Data-providing Organisation	Number of Datasets (in descending order)	Number of APIs (in descending order)

- (3) As at 28 February 2017, the distribution of dataset formats;

	Number of Datasets (in descending order)	Percentage against the Total Number
XML/JSON/CSV		
XLS/XLSX		
PDF		
GIF/JPG/TIF/PNG		
RSS		

HTML		
LOD/RDF		

- (4) As at 28 February 2017, the distribution of languages of datasets;

Language	Number
Traditional Chinese	
Simplified Chinese	
English	

- (5) The new public sector information (PSI) datasets which are planned to be released in 2017-18;

Data-Providing Organisation	Government Department/ NGO	Type of Data	Content of Data	File Format	Update Frequency	Start Date

- (6) What are the details and expenditure (of training/seminars) organised by OGCI0 in 2016-17 to brief government departments on the policy of releasing PSI in digital formats and the detailed technical arrangements for data management?

Government Department	Theme of Events	Number of Training/Seminars	Number of Participants

- (7) Will the Government standardise the output formats for all datasets (such as assisting departments to release information in JSON, XML and CSV formats) in order to streamline the procedures for developers in handling the format? If there are work plans, what are the expenditure and manpower required?
- (8) Will the Government compile a PSI log book to follow up the progress of releasing information, increase the sources of datasets, and conduct regular surveys on the ways of releasing information to collect views of users (e.g. developers)? If there are work plans, what are the expenditure and manpower required?
- (9) Some users reflected that there was no information description in some datasets (such as open data bulletin, description of fields, data display options, etc.) Will the Government publish the guidelines issued by OGCI0 to departments, including the recommended dataset formats, data management life cycle and technical arrangements, and consult the public on any recommendations for improvements?

- (10) Regarding the promotion of opening up more data by public service organisations and commercial organisations, does the Government have any specific plans and targets in 2017-18? If yes, what are the expenditure and resources required?

Asked by: Hon MOK Charles Peter (Member Question No. 1)

Reply:

The required information is provided as follows:

- (1) As the datasets on “data.gov.hk” are mainly released directly from the websites of the relevant departments, the Office of the Government Chief Information Officer (OGCIO) does not have the number of downloads of each dataset. According to our understanding, datasets that have higher numbers of downloads in 2016 include Transport Department’s traffic snapshots images and special traffic news, Hong Kong Observatory’s current weather report and 9-Day weather forecast as well as OGCIO’s list of GovHK notifications, etc.

The top 10 keywords with the highest numbers of searches on “data.gov.hk” in 2016 are as follows:

1. air quality
2. 上水
3. 屯門公路
4. 獅子山
5. 大欖
6. 屯門
7. address
8. air
9. 龍翔道
10. map

- (2) As at February 2017, the numbers of datasets and application program interfaces (APIs) provided by government bureaux and departments (B/Ds) or other organisations are as follows:

B/D/ Organisation	Number of Datasets (in descending order)	Number of APIs (in descending order)
Census and Statistics Department	2 614	90
Buildings Department	904	16
Architectural Services Department	810	0
Office of the Commissioner of Insurance	725	10
Environmental Protection Department	466	3

Transport Department	236	1
Lands Department	157	72
Department of Health	148	77
Office of the Government Chief Information Officer	64	22
Land Registry	50	21
Companies Registry	45	11
Leisure and Cultural Services Department	44	1
Correctional Services Department	36	3
Rating and Valuation Department	36	24
Inland Revenue Department	31	0
Office of the Communications Authority	29	23
Electrical and Mechanical Services Department	29	26
Government Property Agency	25	21
Marine Department	23	0
Food and Environmental Hygiene Department	22	1
Registration and Electoral Office	21	20
Hong Kong Observatory	21	0
Intellectual Property Department	20	10
Hong Kong Police Force	18	0
Official Receiver's Office	18	9
Customs and Excise Department	15	0
Education Bureau	13	2
Treasury	12	0
MTR Corporation Limited	11	11
Radio Television Hong Kong	10	0
Financial Services and the Treasury Bureau	9	0
Agriculture, Fisheries and Conservation Department	9	5
Government Laboratory	9	6

Innovation and Technology Commission	9	0
Trade and Industry Department	8	3
Hong Kong Tramways, Limited	6	6
The Hongkong Electric Company, Limited	4	4
Hong Kong Housing Authority	4	0
The Hong Kong Society for Rehabilitation	4	0
Civil Aviation Department	3	3
Chief Executive's Office	3	0
Information Services Department	3	0
University Grants Committee Secretariat	3	3
Working Family and Student Financial Assistance Agency	3	3
Civil Engineering and Development Department	2	2
Efficiency Unit	2	0
Social Welfare Department	2	0
Centaline Property Agency Limited	1	1
CLP Power Hong Kong Limited	1	2
Financial Secretary's Office	1	0
Government Logistics Department	1	0
Office for Film, Newspaper and Article Administration	1	0
Total	6 741	512

(3) As at February 2017, the distribution of dataset formats is as follows:

File Format	Number of Datasets (in descending order)	Percentage against the Total Number
XLS/XLSX[@]	3 965	58.8%
GIF/JPG/TIF/PNG	1 590	23.6%
XML/JSON/CSV	1 120	16.6%
RSS	36	0.5%

Others (e.g. HTML)	30	0.5%
Total	6 741	100%

@ Data provided in some XLS/XLSX datasets (over 400) can also be released, aggregated and extracted from APIs.

Besides, there are about 1 000 datasets released in PDF format on “data.gov.hk”. These datasets, which are primarily in report form, will be useful to people such as those engaged in academic researches, although the datasets are not released in common machine-readable formats.

(4) As at February 2017, the distribution of languages of datasets is as follows:

Language	Number*
Traditional Chinese	3 591
Simplified Chinese	806
English	1 326

* Excluding data that cannot be categorised by languages, such as image data.

- (5) In 2017-18, B/Ds will continue to release more Public Sector Information (PSI) in digital and machine-readable formats for free use by the public. There is no specific timetable for this on-going work. Projects already commenced include data of the 2016 population by-census in XML format to be provided by the Census and Statistics Department, and the real-time data of Global Navigation Satellite System to be provided by the Lands Department, etc.
- (6) In 2016-17, OGCI O organised about 20 training sessions and seminars to help departments enrich their knowledge on the release of PSI in digital formats, and brief them on the technology and application of data management (including big data analytics). There were a total of about 700 participants from various B/Ds. The work was carried out by the existing manpower of OGCI O and no additional resources were involved.
- (7) OGCI O has been enhancing the data provided on the portal in order to release the datasets in the most common machine-readable formats (including JSON, XML) as far as possible to facilitate the use by application developers. Besides, OGCI O has issued internal guidelines recommending B/Ds to adopt the most appropriate machine-readable data formats according to the different nature of the data. We have also developed technical guidelines to provide appropriate technical support to B/Ds. This year, OGCI O will also enhance the “data.gov.hk” portal, including reorganising the release of datasets to make it easier for users to find the required datasets, and providing geo-tagged and historical information to facilitate the public in using PSI for developing innovative applications and services. The total expenditure involved for

the 3-year work is about \$9.2 million which will be funded by the Capital Works Reserve Fund Head 710.

- (8) OGCIO will continue to maintain close communication with different stakeholders for encouraging B/Ds to open up more PSI that meet the needs of the public. In 2016-17, OGCIO has exchanged views on the development of releasing PSI with different professional bodies, concern groups, developer groups, university research centres, the Cyberport and Hong Kong Science and Technology Parks, etc. OGCIO will collect views on the release of PSI from various sectors through the “Survey on Information Technology Usage and Penetration in the Business Sector for 2017” to be conducted by the Census and Statistics Department later this year. Besides, the public can make suggestions on the release of PSI via OGCIO’s website. The above work will be carried out by the existing manpower of OGCIO and no additional resources will be involved.
- (9) OGCIO has provided internal guidelines to B/Ds on the release of PSI, including the provision of datasets description and suggested machine-readable data formats. Technical guidelines have also been developed for providing appropriate technical support to B/Ds. Besides, the public can also make suggestions on the release of PSI via OGCIO’s website.
- (10) Public and private organisations can open up their data for free use by the public through the “data.gov.hk” portal. In addition to the PSI released by government departments, the “data.gov.hk” portal also contains open data collected and compiled by the public and private organisations. OGCIO will continue to work with relevant B/Ds to encourage the industry to open up more data. The work will be carried out by the existing manpower of OGCIO and no additional resources will be involved.

- End -

CONTROLLING OFFICER'S REPLY

ITB174

(Question Serial No. 0886)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (1) Use of IT in Government

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding (the work to) facilitate and support bureaux and departments (B/Ds) in using big data analytics for improving public services, please advise on the following:

- (1) The details, estimated expenditure and its percentage against IT expenditure for the project of updating the Interoperability Framework for E-Government and collecting data interchange formats in 2016-17;
- (2) The details, estimated expenditure and its percentage against IT expenditure for the project of adopting big data analytics technologies in B/Ds, as well as revising and developing the related standards for government data sharing and association in 2016-17;
- (3) The timetable, expenditure and manpower involved for B/Ds' plan of examining the use of big data analytics for improving public services in 2017-18. Will the industry be invited to put up collaboration proposals?
- (4) How many training sessions and seminars on data analytics, data digitisation management, data sharing, privacy, cloud services have been arranged for government staff in 2016-17? How many related seminars are planned to be held in 2017-18 to enhance the knowledge of big data application within the Government?

Asked by: Hon MOK Charles Peter (Member Question No. 2)

Reply:

The required information is provided as follows:

- (1) Since 2002, the Office of the Government Chief Information Officer (OGCIO) has been seeking inputs from government bureaux and departments (B/Ds), the academia and the industry annually on the commonly used technical standards and data

interchange formats in order to update the Government's guidelines on the Interoperability Framework for use by B/Ds and related organisations. OGCI O also collects and releases information on some business-specific (e.g. healthcare, trade, logistics, public works, weather and geographical information) data interchange formats. The related work is being carried out by the existing manpower of OGCI O. No additional resources are involved. We do not have the information on other B/Ds' work in relation to data interchange formats.

- (2) OGCI O together with various B/Ds have been exploring the application of big data analytics within the Government to enhance the operational efficiency and improve the quality of public services. Some examples of the application include: the Efficiency Unit, by employing big data technology, provides B/Ds with insights obtained from complaint and enquiry data of 1823 hotline and helps them improve public service delivery; the Marine Department, by analysing vessel traffic data, projects the time and location of vessels when they pass through a watercourse for the control and management of sea transport as well as real-time vessel regulation; the Hong Kong Observatory, by analysing meteorological data, identifies the weather systems and mechanisms that have caused the prevailing weather conditions and predicts the possible changes of these systems in future for the formulation of weather forecast or issuance of appropriate weather warnings, etc. The related work is being carried out by the existing manpower of OGCI O. No additional resources are involved. OGCI O does not have the information on the estimated expenditure of other B/Ds in relation to the application of big data analytics.
- (3) In 2017-18, OGCI O will continue to support B/Ds in adopting big data analytics and will also implement a pilot big data analytics platform to facilitate B/Ds in data sharing and collaborative development of big data applications. Through outsourcing arrangements, the industry will also be able to participate in the implementation of the project. The total expenditure involved for the 3-year project is about \$9.5 million which will be funded by the Capital Works Reserve Fund Head 710. Besides, OGCI O will continue to organise relevant promotion and training to raise the awareness of B/Ds on big data analytics and strengthen their capabilities in developing big data applications. The work is being carried out by the existing manpower of OGCI O. No additional resources are involved.
- (4) In 2016-17, OGCI O organised a total of about 40 training sessions and seminars on data analytics, digital data management, data sharing and privacy as well as cloud services for government staff. The number of seminars planned to be held in 2017-18 will be similar to that of 2016-17.

- End -

CONTROLLING OFFICER'S REPLY

ITB175

(Question Serial No. 0887)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (1) Use of IT in Government

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the measures on promoting cyber and information security, please advise on the following:

- (1) The number of cyber attacks (web defacement, intrusion of networking and information systems, distributed denial of service (DDoS) attacks, ransomware and data leakage) targeting government networks and websites in 2016-17, broken down by department and type of security incidents in tabular form;
- (2) The expenditure of government bureaux and departments (B/Ds) for security risk assessments and audits in 2016-17, and the percentage against their annual information technology (IT) expenditure;
- (3) Have information security risk assessments and checks been performed for websites, applications and mobile applications developed by B/Ds in 2017-18? What are the details and expenditure involved?
- (4) What are the estimated expenditure for the study and review on the government IT security policy, as well as the work, manpower and expenditure involved in 2017-18?
- (5) What are the B/Ds with IT security compliance monitoring and audits planned to be conducted in 2017-18?
- (6) What are the dates, details, training departments, targets and numbers of participants of the security awareness seminars and training planned to be organised in 2017-18?

Asked by: Hon MOK Charles Peter (Member Question No. 3)

Reply:

The required information is provided as follows:

- (1) In 2016-17 (up to February 2017), the Office of the Government Chief Information Officer received a total of 19 information security incident reports related to cyber attacks on government networks, involving 14 departments. These include 1 case of web defacement, 3 cases of unauthorised access, 1 case of fake e-mail, 2 cases of data leakage, and 12 cases of malware infection, including ransomware.
- (2) Government bureaux and departments (B/Ds) will conduct security risk assessments before launching new information systems or large-scale upgrade of the existing systems. They are also required to perform regular security audits on information systems to ensure compliance with IT security policies and adoption of effective security measures. The expenditure of such work is generally included in the development and maintenance costs of the relevant information systems. We do not have a separate breakdown for the expenditure.

Besides, B/Ds will conduct comprehensive information security risk assessments and audits around once every 2 years. In 2016-17, the estimated total expenditure on security risk assessments and audits was about \$13.24 million, accounting for about 0.2% of the estimated total annual IT expenditure.

- (3) It is a mandatory requirement to conduct information security risk assessments on new websites, application systems and mobile applications, etc. developed by B/Ds. The related work is generally included in the development programme and estimated expenditure of the relevant information systems. We do not have a separate breakdown for the expenditure in this regard.
- (4) We had engaged a consultant to conduct the study and review on the “Government IT Security Policy and Guidelines”. It was completed at the end of 2016. The actual expenditure was \$2.4 million. In 2017-18, we do not have an estimated expenditure in this regard.
- (5) In 2017-18, we plan to conduct information security compliance audits for about 30 B/Ds to assess their compliance and promote continuous improvement of information and cyber security management as well as contingency measures to cope with emerging security threats.
- (6) In 2017-18, we will continue to arrange different seminars and training related to security awareness, including refresher courses on information security management and response for all departmental information security officers and departmental information security incident response teams, thematic seminars and professional training on cyber security for information security management and professional officers, as well as information security awareness training for departmental staff. The estimated number of participants of these seminars and training is about 2 000.

- End -

CONTROLLING OFFICER'S REPLY

ITB176

(Question Serial No. 0888)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (1) Use of IT in Government

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the enhancement of e-government services, please advise on the following:

- (1) The expenditure and promotion expenditure for revamping the GovHK portal, total numbers of web page visits, and the content most viewed (top 10) in 2016-17;
- (2) The number of government mobile apps and number of MyGovHK accounts in 2016-17;
- (3) The details on the expenditure for promoting e-government services in the past year (government departments, titles and descriptions of the e-services, modes of service delivery, promotion expenditure, modes and dates of promotion);
- (4) The number of government websites that have adopted responsive web design in 2016-17, the increase rate over last year and the estimated number for 2017-18;
- (5) The number of government websites that have collected personal data or have online payment functions in 2016-17, the number of these websites that have used HTTPS encryption as the default connection mode, the increase rate over last year and the estimated number for 2017-18;
- (6) Has the Government conducted User Experience Research and Usability Test on electronic public services, government web pages or mobile apps in 2016-17 in order to seek the views and recommendations for improvements from the public for enhancing user experience? If yes, what are the department(s), modes of research, details and expenditure involved? If not, has consideration been given to this?
- (7) Will government departments be encouraged to publish the utilisation details about their electronic public services and websites, and provide more channels for the public to express their views?

Asked by: Hon MOK Charles Peter (Member Question No. 4)

Reply:

The required information is provided as follows:

- (1) In 2016-17 (as of end-February), the expenditure and promotion expenditure for revamping the GovHK portal, total numbers of web page visits and the content most viewed (top 10) are as follows :

Expenditure and promotion expenditure for revamping the GovHK portal	\$2.53 million
Total numbers of web page visits	71 180 000
Content most viewed (top 10)	<ol style="list-style-type: none">1. Immigration Services: HKSAR Travel Documents2. Taxes & Duties: eTAX3. Employment: Looking for a Job4. Immigration Services: Identity Cards and Right of Abode5. Immigration Services: HKSAR Passport6. Taxes & Duties: Tax Computation of Salaries Tax & Personal Assessment7. Immigration Services: Services for Non-permanent Residents8. Culture, Leisure & Sports: Recreation & Sports9. Immigration Services: Births, Deaths and Marriage Registration10. Transport & Motoring: Driving Licences & Tests

- (2) As at end-February 2017, the number of government mobile apps is 121, and the number of MyGovHK accounts has exceeded 400 000.
- (3) The Office of the Government Chief Information Officer (OGCIO) promotes e-government services through the one-stop government portal “GovHK”. The portal contains guidelines for e-government services provided by various government departments, to facilitate the public to search and use these services so as to promote the adoption of e-government services. As the workload involved is absorbed by existing resources and manpower, breakdown of expenditure is not available.
- (4) Websites such as “GovHK”, “MyGovHK”, “data.gov.hk”, “Pay e-Cheque Portal”, “Cyber Security Information Portal”, “GovCERT.HK”, “OGCIO portal” and “Wi-Fi.HK” under OGCIO have adopted responsive web design. We have issued guidelines requiring other government bureaux and departments (B/Ds) to adopt responsive web design. OGCIO does not keep the number of government websites that have adopted responsive web design.

- (5) “MyGovHK”, “data.gov.hk”, “Pay e-Cheque Portal” and all 48 government websites with online payment functions provided by OGCIO have deployed HTTPS encryption as the default connection mode. OGCIO does not have the relevant information of other B/Ds.
- (6) To enhance users’ experience, OGCIO has invited relevant departments and members of the public to join focus group meetings to gauge users’ views before revamping the “GovHK” with responsive web design. The newly designed “GovHK” launched in November 2016 was generally well received by the public. The ratio in using mobile devices to access “GovHK” has also increased. We will further conduct an online survey in 2017-18 to gather views for the continuous improvement of the services of “GovHK”. The workload involved is absorbed by existing resources and manpower.
- (7) OGCIO briefs the Legislative Council Panel on Information Technology and Broadcasting annually on the latest progress on e-government development, including the usage rate of e-government services, utilisation of websites and mobile e-government services. The public can provide their views on e-government services through various channels, such as by e-mail, phone and 1823 mobile app. Respective departments will take appropriate follow up actions based on the views received for the continuous enhancement of e-government services.

- End -

CONTROLLING OFFICER'S REPLY**ITB177****(Question Serial No. 0889)**

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (1) Use of IT in Government

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the employment of information technology (IT) staff by the Government, please advise on the following:

- (1) The numbers and total number of vacancies of civil service IT staff in government bureaux and departments (B/Ds) in 2016

Chief Systems Manager, Senior Systems Manager and Systems Manager	Analyst/ Programmer I	Analyst/ Programmer II	Number of Vacancies

- (2) The numbers of civil service IT staff in B/Ds in 2016 (in descending order by staff number)

B/D	Chief Systems Manager, Senior Systems Manager and Systems Manager	Analyst/ Programmer I	Analyst/ Programmer II	Total Number

- (2) The total number of full-time Non-Civil Service Contract (NCSC) staff providing IT support in B/Ds in 2016. Please provide the numbers of these staff in descending order;

- (3) The total number of staff employed by T-contractors for B/Ds, and the year-on-year percentage change;
- (4) Years of service and salaries of civil service IT staff in B/Ds in 2016

	Average Year of Service	Average Monthly Salary (Including Allowances)	Other Benefits
Chief Systems Manager			
Senior Systems Manager			
Systems Manager			
Analyst/Programmer I			
Analyst/Programmer II			

- (5) Average years of service and salaries of staff employed by T-contractors for B/Ds

	Average Year of Service	Average Monthly Salary (Including Allowances)	Other Benefits
Senior IT Services Manager			
IT Services Manager			
Systems Analyst			
Analyst/Programmer			

- (6) The numbers of daily-rated and monthly-rated staff employed by T-contractors in 2016-17;
- (7) What is the number of IT staff among the newly created civil service permanent posts in B/Ds in 2017-18? (Please provide a breakdown by post title and B/D and list out in descending order by the total number)
- (8) The numbers of staff employed by contractors providing IT contract staff services (T24) for the Government (in descending order by post title), the average contract period, the average numbers of days of paid leave and paid sick leave, and the contract renewal rate of these staff;
- (9) Will recommended salaries for respective ranks and cancellation of the “cooling period” requirement on application for another T-contract position be included in the services agreement with T-contractors in order to protect the welfare of the staff?

Asked by: Hon Charles Peter MOK (Member Question No. 6)

Reply:

The required information is provided as follows:

(1) As at 31 December 2016, the numbers of civil service information technology (IT) staff ^{Note 1} and the number of vacancies of such staff in the Government are as follows:

Chief Systems Manager, Senior Systems Manager and Systems Manager	Analyst/ Programmer I	Analyst/ Programmer II	Number of Vacancies
303	371	321	57

The numbers of civil service IT staff in government bureaux and departments (B/Ds) are at **Annex I**.

(2) The numbers of full-time ^{Note 2} non-civil service contract staff providing IT support for B/Ds as at 31 December 2016 are at **Annex II**.

(3) In the past 3 years, the total numbers of staff engaged by B/Ds through T-contractors (T-contract staff), and the year-on-year rates of change of such figures are as follows:

As at	Total Number	Rate of Change
31 December 2014	2 406	+11%
31 December 2015	2 602	+8%
31 December 2016	2 760	+6%

Note 1: Including civil service IT staff occupying permanent posts, time-limited posts and supernumerary posts.

Note 2: “Full-time” means the employment is on a “continuous contract” as defined by the Employment Ordinance, i.e. an employee works continuously for the same employer for 4 weeks or more, with at least 18 hours per week.

(4) As at 31 December 2016, the years of service and salaries of civil service IT staff in B/Ds are as follows:

Rank	Average Number of Years of In-rank Service	Monthly Salary^{Note 3} (HK\$)
Chief Systems Manager	4.4	135,950 – 148,750
Senior Systems Manager	6.7	105,880 – 121,985
Systems Manager	8.1	65,740 – 99,205
Analyst/Programmer I	10.7	51,780 – 65,150
Analyst/Programmer II	2.6	29,455 – 49,445

The allowances and fringe benefits of the staff of the ranks listed above are determined by the established civil service mechanism.

(5) The average lengths of service of T-contract staff engaged by B/Ds as at 31 December 2016 are as follows:

Category	Average Length of Service^{Note 4}
Senior Project Manager	11.9
Project Manager	6.3
Senior Systems Analyst	7.6
Systems Analyst	5.2
Analyst/Programmer	3.7

T-contract staff are employees of T-contractors. The Government does not have the information on the actual remunerations offered to T-contract staff by T-contractors.

Note 3: According to the prevailing civil service pay scales.

Note 4: Length of service refers to the number of years of service provided by individual T-contract staff to the same B/D, during which the staff concerned may not be working in the same position and responsible for the same project.

(6) T-contractors would determine whether to pay the T-contract staff on a daily-rated or monthly-rated basis as agreed with individual staff. The Government does not have the information in this regard.

(7) Among the new posts planned for creation in the civil service establishment by B/Ds in 2017-18, 119 are IT grade posts. Details are at **Annex III**.

(8) Since the information on the numbers of T-contract staff employed by individual T-contractors to serve in the Government is the commercial information of the contractors,

the Government cannot disclose the details. Regarding matters on the employment contracts signed between the T-contractors and their staff and the relevant employment terms, the Government does not have the information in this regard either.

(9) T-contract staff are professionals. The requirements on the scope of work, professional knowledge, skills and experience, etc. of individual T-contract staff positions are different. The remunerations offered to T-contract staff by the T-contractors would depend on the educational qualifications, professional knowledge, relevant skills and experience of individual staff, the prevailing job market situation, etc. It is inappropriate for the Government to make any recommendation on wage levels for respective T-contract staff categories in the service agreements with the T-contractors.

With effect from February 2013, if a serving T-contract staff would like to be re-engaged by another T-contractor for another T-contract position, he may do so upon expiry of his existing service period without subject to any “cooling period” requirement.

**Numbers of Civil Service IT Staff in B/Ds
(position as at 31 December 2016)**

B/Ds	Chief Systems Manager, Senior Systems Manager and Systems Manager	Analyst/ Programmer I	Analyst/ Programmer II	Total
Office of the Government Chief Information Officer	106	136	77	319
Hong Kong Police Force	16	23	45	84
Immigration Department	12	23	21	56
Housing Department	8	24	7	39
Health, Department of	13	5	14	32
Inland Revenue Department	8	11	12	31
Customs and Excise Department	5	16	6	27
Census and Statistics Department	4	9	12	25
Judiciary	13	6	6	25
Treasury	6	11	7	24
Working Family and Student Financial Assistance Agency	5	7	12	24
Social Welfare Department	9	5	9	23
Education Bureau	8	9	3	20
Leisure and Cultural Services Department	6	4	9	19
Rating and Valuation Department	3	9	6	18
Land Registry	5	5	4	14
Marine Department	4	5	5	14
Post Office	6	4	4	14
Security Bureau	4	4	5	13
Hong Kong Observatory	1	2	8	11

B/Ds	Chief Systems Manager, Senior Systems Manager and Systems Manager	Analyst/ Programmer I	Analyst/ Programmer II	Total
Trade and Industry Department	2	4	5	11
Civil Service Bureau	2	3	5	10
Planning Department	3	3	4	10
Buildings Department	2	2	4	8
Food and Health Bureau	6	2	0	8
Transport Department	3	2	3	8
Labour Department	3	2	2	7
Commerce and Economic Development Bureau (Commerce, Industry and Tourism Branch)	5	1	0	6
Justice, Department of	2	3	1	6
Lands Department	1	4	1	6
Registration and Electoral Office	2	1	3	6
Companies Registry	3	1	1	5
Development Bureau (Works Branch)	1	1	3	5
Food and Environmental Hygiene Department	2	1	2	5
Home Affairs Department	0	4	1	5
Agriculture, Fisheries and Conservation Department	2	0	2	4
Chief Secretary for Administration's Office	1	3	0	4
Correctional Services Department	2	1	1	4
Environmental Protection Department	1	1	2	4
Government Logistics Department	2	2	0	4
Information Services Department	2	0	2	4
Development Bureau (Planning and Lands	1	1	1	3

B/Ds	Chief Systems Manager, Senior Systems Manager and Systems Manager	Analyst/ Programmer I	Analyst/ Programmer II	Total
Branch)				
Drainage Services Department	1	0	2	3
Labour and Welfare Bureau	1	1	1	3
Legal Aid Department	1	1	1	3
Commerce and Economic Development Bureau (Communications and Creative Industries Branch)	1	1	0	2
Financial Services and the Treasury Bureau (The Treasury Branch)	1	1	0	2
Highways Department	1	1	0	2
Home Affairs Bureau	1	1	0	2
Official Receiver's Office	0	2	0	2
Transport and Housing Bureau (Transport Branch)	1	1	0	2
Auxiliary Medical Service	0	0	1	1
Civil Aid Service	0	0	1	1
Civil Engineering and Development Department	1	0	0	1
Constitutional and Mainland Affairs Bureau	1	0	0	1
Electrical and Mechanical Services Department	1	0	0	1
Government Flying Service	0	1	0	1
Intellectual Property Department	1	0	0	1
University Grants Committee Secretariat	0	1	0	1
Water Supplies Department	1	0	0	1

**Numbers of Full-time Non-civil Service Contract (NCSC) Staff
Providing IT Support in B/Ds
(position as at 31 December 2016)**

B/Ds	Number of NCSC staff
Electrical and Mechanical Services Department	139
Education Bureau	62
Leisure and Cultural Services Department	25
Post Office	22
Rating and Valuation Department	22
Working Family and Student Financial Assistance Agency	22
Efficiency Unit	21
Hong Kong Observatory	15
Inland Revenue Department	13
Lands Department	12
Office of the Communications Authority	10
Water Supplies Department	9
Radio Television Hong Kong	8
Fire Services Department	7
Drainage Services Department	6
Home Affairs Department	4
Trade and Industry Department	4
Treasury	4
Financial Services and the Treasury Bureau	3
Invest Hong Kong	3
Labour Department	3
Environmental Protection Department	2
Government Laboratory	2

B/Ds	Number of NCSC staff
Health, Department of	2
Innovation and Technology Commission	2
Planning Department	2
Social Welfare Department	2
Chief Secretary and Financial Secretary's Offices	1
Civil Engineering and Development Department	1
Commerce and Economic Development Bureau	1
Office of the Government Chief Information Officer	1
Registration and Electoral Office	1
University Grants Committee Secretariat	1
Total	432

**Numbers of New IT Posts Planned for Creation in the Civil Service Establishment
2017-18**

B/Ds	Chief Systems Manager, Senior Systems Manager and Systems Manager	Analyst/ Programmer I	Analyst/ Programmer II	Total ^{Note}
Office of the Government Chief Information Officer	6	3	5	14
Social Welfare Department	3	4	4	11
Companies Registry	1	3	6	10
Treasury	2	3	5	10
Health, Department of	5	3	1	9
Chief Secretary for Administration's Office	1	2	3	6
Civil Service Bureau	2	3	1	6
Food and Environmental Hygiene Department	2	2	2	6
Education Bureau	1	2	2	5
Post Office	1	2	2	5
Leisure and Cultural Services Department	1	2	1	4
Water Supplies Department	1	3	0	4
Electrical and Mechanical Services Department	0	0	3	3
Home Affairs Bureau	0	1	2	3
Commerce and Economic Development Bureau (Communications and Creative Industries Branch)	0	1	1	2
Food and Health Bureau	0	0	2	2

B/Ds	Chief Systems Manager, Senior Systems Manager and Systems Manager	Analyst/ Programmer I	Analyst/ Programmer II	Total ^{Note}
Justice, Department of	0	2	0	2
Labour Department	0	0	2	2
Transport and Housing Bureau (Transport Branch)	0	0	2	2
Commerce and Economic Development Bureau (Commerce, Industry and Tourism Branch)	0	0	1	1
Constitutional and Mainland Affairs Bureau	0	0	1	1
Development Bureau (Planning and Lands Branch)	0	0	1	1
Development Bureau (Works Branch)	0	1	0	1
Environmental Protection Department	0	0	1	1
Financial Services and the Treasury Bureau (The Treasury Branch)	0	0	1	1
Fire Services Department	1	0	0	1
Hong Kong Observatory	0	1	0	1
Innovation and Technology Bureau	0	1	0	1
Intellectual Property Department	0	1	0	1
Labour and Welfare Bureau	0	0	1	1
Legal Aid Department	1	0	0	1
Marine Department	0	0	1	1

Note: Including permanent posts and time-limited posts

- End -

CONTROLLING OFFICER'S REPLY

ITB178

(Question Serial No. 0890)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (1) Use of IT in Government

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the procurement of information technology (IT) products and services under the Standing Offer Agreement for Quality Professional Services (SOA-QPS), please advise on the following:

- (1) As at February 2017, what are the respective total values of IT products and services procured by the Government, and the number of contracts awarded to small and medium enterprises (SMEs)?
- (2) As at February 2017, among those items awarded under SOA-QPS3, what are the respective percentages of the 4 service categories, the percentages of small-scale and large-scale items under service categories (2) and (3), the percentage of items with expenditure exceeding the estimated cost against the total numbers, as well as the percentage of items with the completion date delayed for more than 30 days against the estimated date?
- (3) What measures will be adopted to raise SMEs' success rate of taking up these projects in 2017-18? Will key performance indicators be set in this regard? If yes, what are the details?

Asked by: Hon MOK Charles Peter (Member Question No. 8)

Reply:

The required information is provided as follows:

- (1) In 2016-17 (as of end February 2017), the total values of information technology (IT) services procured by government bureaux and departments (B/Ds) through the Standing Offer Agreement for Quality Professional Services 3 (SOA-QPS3) were \$281 million. Of these contracts, 80 were awarded to small and medium enterprises (SMEs).

(2) Since the commencement of SOA-QPS3 in July 2013 and up to end February 2017, a total of 1 184 contracts were awarded through SOA-QPS3. The percentages of respective service categories were provided below:

- Service Category 1 (Pre-implementation Services): 10%
- Service Category 2 (On-going Services): 23%
(the respective percentages of minor group and major group were 83% and 17%.)
- Service Category 3 (System Development and Implementation Services): 19%
(the respective percentages of minor group and major group were 54% and 46%.)
- Service Category 4 (IT Security and Independent Testing Services): 48%

All these awarded contracts did not have their expenditure exceeding the estimated cost.

The percentages of projects with completion date delayed for more than 30 days against the planned completion date were provided below:

- Service Category 1: 1.37%
- Service Category 2: 0%
- Service Category 3: 5.19%
- Service Category 4: 4.78%

(3) The Government has implemented a number of measures to facilitate local SMEs to bid for government IT projects, e.g. providing free electronic procurement services to improve tenderers' efficiency and reduce their efforts in preparing tender submission; and launching online platforms to facilitate suppliers to introduce their scope of business and products to B/Ds, etc.

To further encourage more local SMEs to bid for government IT projects, the Office of the Government Chief Information Officer (OGCIO) has introduced a number of enhancements in the new round of tendering under the Standing Offer Agreement for Quality Professional Services, including raising the contract value limit; increasing the number of contractors under the agreement; lowering the essential requirements for tendering in some service categories; and putting more emphasis on the technical aspect in assessment, etc.

We do not have a pre-defined performance target for the above measures. OGCIO will closely monitor the overall effectiveness of the enhancement measures, and will review them at appropriate juncture with a view to encouraging more local SMEs to bid for government IT projects.

- End -

CONTROLLING OFFICER'S REPLY**ITB179****(Question Serial No. 0903)**

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the mobile applications (apps) developed by government departments and public organisations, please provide the related information.

- (a) Please advise on the related information in 2016-17 in the following table (in descending order by the number of downloads):

The information of mobile apps to be developed by government departments in 2016-17

Govt Dept	Name	Target	Regular/ One-off Projects	Applicable Platform (e.g. iOS/ Android)	Mode of Development (by internal development or contractors engaged by tender)	Development Cost	Routine Maintenance Cost	Promotion Expenditure	Start Date, Official Launch Date of the Project	Total Number of Downloads as at 28 Feb 2017	Average User Retention Rate on the 7 th Day of the Download	Average User Retention Rate on the 30 th Day of the Download	Number of Active Users in Feb 2017	Has user survey been conducted

- (b) The numbers of apps developed with mobile apps platforms and templates.
- (c) The information of mobile apps to be developed by government departments in 2017-18 (government departments / names of apps / content and purpose / platforms / modes of development / estimated development costs / estimated routine maintenance costs / estimated promotion expenditure / expected launch dates).
- (d) Is there any plan to review if all government mobile apps should be maintained and compile a list of apps that should be given priority to be ceased? If yes, what are the details?

Asked by: Hon MOK Charles Peter (Member Question No. 10)

Reply:

The required information is provided as follows:

- (a) Information of the mobile applications (apps) developed by government departments in 2016-17 is set out at **Annex A**.
- (b) The Office of the Government Chief Information Officer (OGCIO) currently maintains 3 mobile app platforms, i.e. GovHK Notifications, GovHK Apps and EventHK for use by 67 government bureaux and departments (B/Ds), providing one-stop public services to citizens.

Besides, OGCIO currently provides 8 mobile app templates, namely “Appointment Booking”, “Mobile App Version Check”, “Remote Content Retrieval”, “Mobile Device System Configuration Check”, “User-Friendly Navigation Framework”, “Simple Form for Information Collection/Survey”, “Illustration of Optical Character Recognition Technology” and “Collection of User Behaviour Statistics” templates for B/Ds’ reference when they develop mobile apps. Different government mobile apps have adopted parts of the functions provided by these templates.

- (c) Information of the mobile apps planned to be developed by B/Ds in 2017-18 is set out at **Annex B**.
- (d) Depending on their respective operational needs and modes of service delivery, B/Ds could decide if they need to develop, maintain or retire individual mobile apps. To assist and support B/Ds to develop user-friendly and practical mobile apps, OGCIO has formulated a practice guide for B/Ds’ study and reference. The practice guide stipulates that B/Ds are required to set the objectives and understand the needs of target user groups when developing an app. B/Ds should also regularly review and evaluate the cost-effectiveness and suitably improve their apps. If some apps cannot meet the needs of target user groups or when there are better apps or services to replace them, B/Ds should consider withdrawing these apps to save resources.

Information of mobile apps developed by government departments in 2016-17

No.	Government Department	Name	Target	Regular/ One-off Projects	Applicable Platform (e.g. iOS/ Android)	Mode of Development (by internal development or contractors engaged by tender)	(Approximate) Development Cost	(Approximate) System Maintenance Cost	(Approximate) Promotion Expenditure	Start Date, Official Launch Date of the Project	Total Number of Downloads as at 28 Feb 2017	Average User Retention Rate on the 7 th day of the Download	Average User Retention Rate on the 30 th day of the Download	Number of Active Users in Feb 2017	Has user survey been conducted
1.	Transport Department	eTraffic News	Public	Regular	iOS and Android	Developed by contractors engaged by tender	\$210,000	\$18,000 (From Sep 2016 to Mar 2017)	\$25,000	Project start date: Mar 2016 Official launch date: Sep 2016	31 000	The department was unable to provide the information	The department was unable to provide the information	The department was unable to provide the information	No
2.	Tourism Commission	HK Food Truck	Public	Regular	iOS and Android	Developed by contractors engaged by tender	\$130,000	\$60,000 (For 2 years)	Nil	Project start date: Sep 2016 Official launch date: Feb 2017	23 000	The department was unable to provide the information	The department was unable to provide the information	10 600	No
3.	Census and Statistics Department	Mobile e-Questionnaire Application	Sampled Households of 2016 Population By-census	One-off project (2016 Population By-census)	iOS and Android	Developed by contractors engaged by tender	Included in the development cost of the e-Data Collection sub-systems for the 2016 Population By-Census.	Not Applicable	Included in the promotion expenditure for the 2016 Population By-Census.	Project start date: Sep 2014 Official launch date: Jun 2016	13 900 (From 30 Jun 2016 to 3 Aug 2016) Users are limited to the sampled households of the census	3% (The app could be uninstalled once the questionnaire was completed)	1% (The app could be uninstalled once the questionnaire was completed)	- (The by-census ended in Aug 2016)	No
4.	Fire Services Department	Catch time, save life	Public	Regular	iOS and Android	Developed by contractors engaged by tender	\$105,000	\$96,000 (including 4 mobile apps)	\$140,000 (including 4 mobile apps); promoted through various public fire safety events	Project start date: Jan 2016 Official launch date: Apr 2016	11 100	The department was unable to provide the information	The department was unable to provide the information	The department was unable to provide the information	No

No.	Government Department	Name	Target	Regular/ One-off Projects	Applicable Platform (e.g. iOS/ Android)	Mode of Development (by internal development or contractors engaged by tender)	(Approximate) Development Cost	(Approximate) System Maintenance Cost	(Approximate) Promotion Expenditure	Start Date, Official Launch Date of the Project	Total Number of Downloads as at 28 Feb 2017	Average User Retention Rate on the 7 th day of the Download	Average User Retention Rate on the 30 th day of the Download	Number of Active Users in Feb 2017	Has user survey been conducted
5.	Education Bureau	Profile of Kindergartens or Kindergarten-cum-Child Care Centres 2016	Public	Regular	iOS and Android	Developed by contractors engaged by tender	Included in the cost of the whole project on the KG Profile. As it is not a stand-alone project, no separate breakdown of the expenditure is available. Total cost of the project on KG Profile: \$562,000	Included in the cost of the whole project on the KG Profile. As it is not a stand-alone project, no separate breakdown of the expenditure is available	Not Applicable	Project start date: Jan 2016 Official launch date: Sep 2016	10 900	The bureau was unable to provide the information	The bureau was unable to provide the information	The bureau was unable to provide the information	No
6.	Leisure and Cultural Services Department	Stories of the Qing Emperors' Grand Weddings	Public	One-off project (Ceremony and Celebration - The Grand Weddings of the Qing Emperors)	iOS and Android	Developed by contractors engaged by tender	\$183,000 (including the maintenance cost during the exhibition period)	Nil	Nil	Project start date: Sep 2016 Official launch date: Nov 2016	6 800	The department was unable to provide the information	The department was unable to provide the information	The department was unable to provide the information	No
7.	Environmental Protection Department	Hong Kong T • PARK	Public	Regular	iOS and Android	Developed by contractors engaged by tender	\$713,000 (Including the maintenance cost for the first year)	\$40,000 (for 6 months)	Nil	Project start date: Mar 2015 Official launch date: Jun 2016	6 200	The department was unable to provide the information	The department was unable to provide the information	1 100	No
8.	Buildings Department	Quick Guide for Mandatory Building Inspection Scheme/ Mandatory Window Inspection Scheme	Public	Regular	iOS and Android	Developed by contractors engaged by tender	\$299,000	\$30,000 (from Apr 2016 to Jun 2017)	Nil	Project start date: Jan 2015 Official launch date: Jun 2016	3 800	The department was unable to provide the information	The department was unable to provide the information	Unable to ascertain	No

No.	Government Department	Name	Target	Regular/ One-off Projects	Applicable Platform (e.g. iOS/ Android)	Mode of Development (by internal development or contractors engaged by tender)	(Approximate) Development Cost	(Approximate) System Maintenance Cost	(Approximate) Promotion Expenditure	Start Date, Official Launch Date of the Project	Total Number of Downloads as at 28 Feb 2017	Average User Retention Rate on the 7 th day of the Download	Average User Retention Rate on the 30 th day of the Download	Number of Active Users in Feb 2017	Has user survey been conducted
9.	Development Bureau	My Kowloon East (MyKE)	Public	Regular	iOS and Android	Internal development	Developed and maintained internally. No additional expenditure was involved	Developed by deploying internal resources. No additional expenditure was involved	Promoted through GovHK Apps and the website of Energizing Kowloon East Office. No additional expenditure was involved	Project start date: Mid 2015 Official launch date: Jan 2017	2 000	The bureau was unable to provide the information	The bureau was unable to provide the information	The bureau was unable to provide the information	No
10.	Companies Registry	CR eFiling	Public	Regular	iOS and Android	Developed by contractors engaged by tender	\$297,000	Nil	\$19,000	Project start date: Jan 2016 Official launch date: Feb 2017	630	The department was unable to provide the information	The department was unable to provide the information	The department was unable to provide the information	No
11.	Hongkong Post	ShopThruPost	Public	Regular	iOS and Android	Developed by contractors engaged by tender	\$310,000	\$31,000	Nil	Project start date: Jun 2016 Official launch date: Oct 2016	600	The department was unable to provide the information	The department was unable to provide the information	200	No

Information of mobile apps to be developed by government departments in 2017-18

No.	Government Department	Name	Content and Purpose	Platform (e.g. iOS/Android)	Mode of Development (by internal development or contractors engaged by tender)	Estimated Development Cost	Estimated System Maintenance Cost	Estimated Promotion Expenditure	Expected Launch Date
1.	Independent Commission Against Corruption	ICAC Smartphone App 2.0 (upgrade of the existing ICAC Smartphone App)	To provide ICAC information and promote probity messages	iOS and Android	To be developed by contractors engaged by tender	Around \$560,000	To be maintained internally. No additional expenditure will be involved	To be promoted through relevant ICAC events	Early 2017
2.	Hongkong Post	Hongkong Post Stamps	To create a new, vivid and interesting experience in stamp collecting for users through multimedia contents. Moreover, this app provides quick access to Hongkong Post online shop "ShopThruPost" (www.shophthrupost.hk), facilitating customers in buying philatelic products anytime and anywhere	iOS and Android	To be developed by contractors engaged by tender	Around \$150,000	To be maintained internally. No additional expenditure will be involved.	To be promoted together with the sale of specially designed stamps. Therefore, a breakdown of the promotion expenditure cannot be provided	April 2017
3.	Education Bureau	說話加油站 (Web based Learning and Teaching Support)	To provide learning and teaching resources for Chinese speaking for primary and secondary school teachers and students	iOS and Android	To be developed by contractors engaged by tender	Around \$450,000	Around \$250,000 per year	Nil	April 2017
4.	Department of Health (Special Preventive Programme)	1069 Test Finder (Bilingual version)	To promote Human Immunodeficiency Virus Antibody Test and safer sex to men who have sex with men, incorporate English version and to enhance information updating and retrieving functions	iOS and Android	To be developed by contractors engaged by tender	Around \$150,000	Depending on the outcome of the tender	To be confirmed	April 2017

No.	Government Department	Name	Content and Purpose	Platform (e.g. iOS/Android)	Mode of Development (by internal development or contractors engaged by tender)	Estimated Development Cost	Estimated System Maintenance Cost	Estimated Promotion Expenditure	Expected Launch Date
5.	Department of Health (Central Health Education Unit)	Snack Classification Apps (tentative title)	To classify snacks in accordance with the DH Nutritional Guidelines on Snacks for Students to assist members of the public to make healthier options. The app will replace Snack Nutritional Classification Wizard app	iOS and Android	To be developed by contractors engaged by tender	Around \$198,000	Around \$38,000 per year	As the promotion expenditure will be absorbed by the overall provision for health promotion, no separate breakdown is available	Mid 2017
6.	Food and Environmental Hygiene Department	Internet Memorial Service Mobile App	To facilitate the public in paying tribute to their beloved ones who have passed away with mobile devices, provide information on after-death arrangements and promote green burial	iOS and Android	To be developed by contractor through tendering	Around \$300,000	To be maintained internally. No additional expenditure will be involved	Promotion for the mobile app will be included in the green burial promotion. No separate breakdown is available	Mid 2017
7.	Leisure and Cultural Services Department	"Bamboo in Our Life: Museum of Art at My Home" (tentative title)	Designed under the "Bamboo in Our Life: Museum of Art at My Home" Education Programme, the app provides information on the exhibits. Through interactive games, users can learn various knowledge of bamboo and share information on social websites	iOS and Android	To be developed by contractors engaged by tender	Around \$150,000	Around \$15,000	Nil (To be included in the expenditure for the publicity of the exhibition)	Mid 2017
8.	Hong Kong Housing Authority	Mobile Application to Public Rental Housing (PRH) Tenants (MART) on Rent-Related Services	To provide mobile application for PRH tenants with the following services: 1) e-Tenant Card for payment at designated convenience stores and supermarkets; 2) Enquiry function to retrieve rent position and rent history; 3) Rent payment reminder and successful payment acknowledgement; 4) e-News on rent policy with push notification service; and 5) Location of rent collection	iOS and Android	To be developed by contractors engaged by tender	Around \$600,000	Around \$214,000 per year	To be confirmed	Q4 2017

No.	Government Department	Name	Content and Purpose	Platform (e.g. iOS/Android)	Mode of Development (by internal development or contractors engaged by tender)	Estimated Development Cost	Estimated System Maintenance Cost	Estimated Promotion Expenditure	Expected Launch Date
			points						
9.	Leisure and Cultural Services Department	Museum Multi-media Information Guide System (MMIS)	To allow visitors to obtain multi-media information of exhibits and enjoy personalised guided tours in the Hong Kong Science Museum and Hong Kong Space Museum with indoor positioning function	iOS and Android	To be developed by contractors engaged by tender	The app is a part of the MMIS project. As it is not a stand-alone project, no separate breakdown of the expenditure is available	Included in the maintenance cost of the MMIS. No separate breakdown is available	To be confirmed	December 2017
10.	Tourism Commission	A Symphony of Lights (SoL)	To provide an e-option for visitors and the public to tune into the music of the SoL and share information on the show through mobile phones	iOS and Android	To be developed by contractors engaged by tender	No separate breakdown of the expenditure is available. Total project cost is around \$1,480,000	Around \$120,000 per year	To be promoted by the Hong Kong Tourism Board	December 2017
11.	Marine Department	eSeaChart (tentative title)	To provide a simple, convenient and handy mobile solution to display a sea chart sourced from official electronic navigational charts covering Hong Kong and/or adjacent waters	iOS and Android	To be developed by contractors engaged by tender	No separate breakdown of the expenditure is available. Total project cost is around \$3,300,000	Around \$280,000 per year for the whole project	Nil	October 2018

- End -

CONTROLLING OFFICER'S REPLY

ITB180

(Question Serial No. 0905)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (2) IT Infrastructure and Standards

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the commissioning of consultancy to develop a smart city blueprint and formulate a digital framework and standards, please advise on the following:

- (1) The name of the consultancy commissioned to conduct studies and the related expenditure;
- (2) The numbers, dates, numbers of attendees and participants of the smart city blueprint public engagement activities;
- (3) The modes of publicity, dates and expenditure for promoting the smart city blueprint public engagement exercise, and the number of written submissions received;
- (4) On the proposed long-term development plans in different policy areas and sectors, will the Government consult the public, the industry and government departments before the implementation? What are the timetable for implementing the proposals as well as the manpower and estimated expenditure required?
- (5) Does the Government have any plans in 2017-18 to foster co-operation and exchanges with other cities and share its experience in smart city development?

Asked by: Hon MOK Charles Peter (Member Question No. 12)

Reply:

The required information is provided as follows:

- (1) The Office of the Government Chief Information Officer (OGCIO) has engaged PricewaterhouseCoopers Advisory Services Limited to conduct a study for formulating a blueprint for smart city development in Hong Kong. The expenditure for the consultancy study is about \$5 million.

(2) to (4) During the period from 30 November 2016 to 15 February 2017, the consultant received 143 comments on smart city development from the public through the dedicated portal (www.smartcity.gov.hk) and e-mails. The establishment of the dedicated portal falls within the work of the consultant. No additional expenditure of OGCIO was involved. The consultancy study is expected to be completed in mid-2017. After the consultancy study is completed, OGCIO plans to conduct relevant public consultations on the smart city blueprint. Such work will be carried out by existing manpower and resources.

(5) We have had exchanges with different countries or cities on smart city development, including Austria, Spain, London and New York City. In 2017-18, OGCIO will continue such exchanges. For example, representatives from the Royal Swedish Academy of Engineering Sciences will visit Hong Kong to share experiences on smart city development in early April 2017.

- End -

CONTROLLING OFFICER'S REPLY

ITB181

(Question Serial No. 0907)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (2) IT Infrastructure and Standards

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the development of information technology (IT) human capital, will the Government advise on the following:

- (1) How did the Government follow up the development of a unified framework for professional qualification recognition to enhance the recognition and status of IT practitioners? If not, what are the reasons?
- (2) How many activities related to ICT manpower development were held in 2016-17? What are the organisers, dates and venues of the activities, content of the activities, numbers of participants, the expenditure/amounts of funding involved? What are the details of activities planned to be held in 2017-18?
- (3) Will IT practitioners be subsidised to pursue further studies in the latest skills? If yes, what are the details?

Asked by: Hon MOK Charles Peter (Member Question No. 14)

Reply:

The requested information is as below:

- (1) The Task Force on Information and Communications Technology (ICT) Professional Development and Recognition published a report in 2015 on the establishment of a unified framework for ICT professional recognition. Having regard to the recommendations of the report, the Government will promote professional qualification recognition through various ways to enhance the recognition and status of IT practitioners. Such work includes:

- (a) implementing the “Enriched IT Programme in Secondary Schools” to cultivate ICT talents;
- (b) support for ICT professional development initiatives through various existing funding schemes;
- (c) encouraging government IT staff to attain relevant ICT professional qualifications;
- (d) collaboration with other stakeholders to develop and update the Specification of Competency Standards (SCSs) for the ICT industry under the Qualifications Framework; and
- (e) encouraging qualifications awarding bodies to continue to explore cross recognition of professional qualification schemes between Hong Kong and the Mainland and other jurisdictions.

(2) In 2016-17, the Office of the Government Chief Information Officer (OGCIO) organised or supported the following to ICT manpower development-related activities:

Activity	Organiser	Date and Venue	Number of Participants	Expenditure/ Amount of Funding
An exhibition booth set up in the IT Career Expo 2017	Hong Kong Computer Society	11 March 2017 Hong Kong Productivity Council Building	Over 1 500 local university and secondary school students, job seekers, practitioners and professionals were expected to visit the exhibition	Around \$10,000
The “IT – You Study, We Hire!” Campaign Launching Ceremony at the Cyberport Career Fair 2017	OGCIO and Cyberport	4 March 2017 Cyberport 3	Around 270 university and secondary school students attended the ceremony	Around \$120,000

Activity	Organiser	Date and Venue	Number of Participants	Expenditure/ Amount of Funding
The “Build a Secure Cyberspace 2016 – Protect Data, Secure Transaction” seminar for information security experts to introduce related security best practices and share experiences on how to protect information systems and assets	OGCIO, Hong Kong Police Force (HKPF) and Hong Kong Computer Emergency Response Team Coordination Centre (HKCERT)	25 November 2016 Hong Kong Productivity Council Building	492	Expenditure involved met by internal deployment
The “Cyber Security Seminar – Protect Your Precious Assets in Cyberspace for representatives from the Government, industry associations and solution providers to share information security best practices on a range of cyber security topics	OGCIO	23 September 2016 Hong Kong Cultural Centre	130	Expenditure involved met by internal deployment
The “SME’s Cloud Security Forum” was organised to bring information security experts and cloud service providers together to share insights and experience on cloud adoption from IT security perspectives	OGCIO & Support and Consultation Centre for Small and Medium Enterprises	14 September 2016 Support and Consultation Centre for Small and Medium Enterprises	50	Expenditure involved met by internal deployment

Activity	Organiser	Date and Venue	Number of Participants	Expenditure/ Amount of Funding
The “Build a Secure Cyberspace 2016 – Protecting Data from Ransomware Attacks” seminar was organised to discuss the recent ransomware attacks and other cyber attacks, analyse the problems and propose ways to prevent and mitigate the risks	OGCIO, HKPF and HKCERT	31 May 2016 Hong Kong Productivity Council Building	195	Expenditure involved met by internal deployment
The “HK-Mainland Cyber Security Forum 2016” was organised to facilitate exchanges and collaboration among the information security management officers and professionals of Hong Kong and the Mainland	OGCIO and Bureau of Cyber Security of Cyberspace Administration of China	12 April 2016 Central Government Offices	209	Around \$63,000
Information on IT studies, IT careers and IT motions was provided to students through the “Student IT Corner” Portal	OGCIO	Not applicable	More than 3.48 million web page visits as at the end of January 2017	Expenditure involved met by internal deployment

We will continue to implement the “Enriched IT Programme in Secondary Schools” and the “IT – You Study, We Hire!” Campaign in 2017-18.

- (3) To enhance industry practitioners’ knowledge in innovation and technology, Cyberport organised or supported over 90 digital technology events, knowledge transfer sessions and training courses at international, regional and local levels from April to October 2016, including the “Digital Entrepreneur Leadership Forum 2016”, “Blockchain Strategies for Business”, “Cyberport University Partnership Programme Demo Day” and “FinTech O-2-O Global Summit”. These events were well-received and attended by over 10 000 industry practitioners. In addition, people aged between 18 and 65 can apply for subsidises from the Continuing Education Fund for studying ICT-related courses registered under the Fund.

- End -

CONTROLLING OFFICER'S REPLY

ITB182

(Question Serial No. 0910)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding Cyberport's support to start-ups, please advise on the following:

- (1) What are the number, company name, business type, staff number, financing stage and the investment amount secured of Cyberport information and communications technology start-ups with investment from the Cyberport Macro Fund in 2016-17 (please list out in tabular form), as well as the number of start-ups with planned investment in 2017-18 and the related details?
- (2) What are the numbers of applications, accepted applications and applications with financing secured together with the total financing amount of various Cyberport incubation programmes in 2016-17, as well as the survival rate (of incubatees) in 3 years after graduation (please list out in tabular form)? Will more support be given to incubatees in 2017-18? If yes, what are the details, targets as well as the manpower and expenditure involved?
- (3) What are the details, targets as well as the manpower and expenditure involved for Cyberport's projects in promoting financial technology (Fintech) and e-Commerce in 2016-17? Will more resources be allocated for studying and developing the application of blockchain, facilitating collaboration between local Fintech start-ups and financial institutions, and promoting e-Commerce to various sectors and small and medium enterprises in 2017-18? If yes, what are the details, targets as well as the manpower and expenditure involved?
- (4) What are the take-up rate and operating expenditure of the Smart-Space small offices and working space in 2016-17 (please list out in tabular form by type)? What is the take-up rate of the dedicated space for supporting Fintech start-ups? Is there any plan to increase the take-up rate in 2017-18?

- (5) It is mentioned in the Budget that (the Government) would promote e-sports as an industry. What are Cyberport's strategies and plans in this regard? What are the estimated expenditure, targets and methods of promoting e-sports development in 2017-18?

Asked by: Hon MOK Charles Peter (Member Question No. 16)

Reply:

The requested information is as follows:

- (1) The "Cyberport Macro Fund" (CMF) was officially launched in August 2016. It provides start-ups in Cyberport with seed to Series A funding, thereby fostering the development of venture capital and angel investments in Hong Kong. Cyberport is now evaluating the applications and enquiries received, and will announce relevant details of individual deals after formal approval. In 2017-18, the number of start-ups to be invested by CMF will depend on the actual approval situation.
- (2) In 2016-17, the Cyberport incubation programme received a total of 515 applications and admitted 103 start-ups. Since its inception, incubatees have attracted about \$1.52 billion of investment funding from 127 deals, and 63% of the start-ups have survived for three or more years after graduation. Since 2016-17, Cyberport has doubled the annual incubation programme quotas from 50 to 100. Cyberport will continue to review the support for start-ups in 2017-18 and optimise various measures in due course. Cyberport implemented the above with its own resources. No government manpower and expenditure were incurred.
- (3) Cyberport has been seeking to promote the development of financial technology (FinTech) and e-commerce. It launched a designated incubation programme in 2016-17 to support 150 FinTech start-ups in the coming 5 years. It also sponsors 300 university students to join FinTech training camps in overseas universities. As at end-February 2017, a total of 54 FinTech start-ups had joined the FinTech incubation programme, and 53 university students had participated in the Entrepreneurship Boot Camp in Silicon Valley arranged by the Stanford Graduate School of Business. In addition, Cyberport provides over 47 300 square feet of Smart-Space designated for FinTech companies.

To promote blockchain and enhance the industry's knowledge in this regard, Cyberport organised activities such as "Blockchain Strategies for Business" and "FinTech O-2-O Global Summit" in 2016-17, bringing together local and global leaders and experts from the FinTech industry to explore the development potential, business value and application strategy of blockchain technology in different industries. Cyberport, the Applied Science and Technology Research Institute, Science Park and the Hong Kong Monetary Authority also signed a Memorandum of Understanding in November 2016 to enhance cooperation in FinTech.

For e-commerce, Cyberport established the e-commerce cluster under the incubation programme in 2016-17. As at end-February 2017, 88 e-commerce start-ups had

joined the incubation programme. There are now more than 150 e-commerce companies in the Cyberport community, including some successful start-ups such as GoGoVan, Shopline and Yeechoo, which have attracted investment by Alibaba. Another start-up called Klook has also attracted investment by Sequoia Capital. Cyberport will continue to work closely with the industry to promote e-commerce through different channels.

Cyberport implemented the above with its own resources. No government manpower and expenditure were incurred.

- (4) The utilisation rate of Smart-Space in 2016-17 is as follows:

	Smart-Space	
	Overall	Designated for FinTech start-ups
Utilisation Rate (%)	89%	75%

In 2017-18, Cyberport will strengthen its collaboration with local and overseas business partners and launch the “soft-landing” programme. Under this programme, Cyberport will invite overseas technology start-ups which would like to develop in Asia to work in Cyberport Smart-Space. Cyberport will also promote Smart-Space to more target groups through organising different events and programmes such as accelerator programme, seminars and lectures.

- (5) E-sports is a new area with economic development potential, which can help promote the local gaming industry and innovation and technology development, such as application of virtual reality technologies. Hong Kong is well-placed to develop e-sports with its advanced information and communications technology infrastructure, freedom of information, and experiences in holding large-scale international competitions. The Government has invited Cyberport to study the latest e-sports technology and the relevant industry development. Cyberport will take forward this with its own resources and no government expenditure will be incurred.

Cyberport has commenced the related work. It is expected that Cyberport will submit the study findings and recommendations to the Government in mid-2017. Having regard to Cyberport’s study report, we will consider steps to further promote the development of e-sports.

- End -

CONTROLLING OFFICER'S REPLY

ITB183

(Question Serial No. 1984)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Please advise on the activities/events (e.g. seminars, exhibitions and student IT contests) organised by IT organisations annually with the funding of the Office of the Government Chief Information Officer, the names and nature of activities/events (broken down by the name of funded organisations), funded projects, dates of activities/events, amounts of funding in 2016, as well as the numbers and amounts of funding obtained by the organisations in the past 5 years (please list out in descending order).

Asked by: Hon MOK Charles Peter (Member Question No. 46)

Reply:

The activities/events organised by IT organisations and non-governmental organisations in 2016-17 with the funding of the Office of the Government Chief Information Officer, and the numbers and amounts of funding obtained by the organisations from 2012-13 to 2016-17 are set out at Annex.

Activities/events organised by IT organisations and non-governmental organisations
in 2016-17 with funding support of
the Office of the Government Chief Information Officer

2016-17 (as at end February 2017) (Note)

Organisation	Name of activity/event	Date	Amount of funding (HK\$)
Hong Kong Wireless Technology Industry Association	Hong Kong ICT Awards 2017 [Best Mobile Apps Award]	10/2016-6/2017	222,000
	SafeWiFi Campaign 2015 (Survey, seminar and website)	12/2015-9/2016	100,000
Hong Kong Software Industry Association	20th International Soft China - Hong Kong Pavilion	5/2016	496,030
Hong Kong Blind Union	Digital Inclusion Mobile Apps (Tap My Dish)	3/2016	289,260
SAHK	Digital Inclusion Mobile Apps (Early Literacy)	3/2016	273,000
Hong Kong Young Women's Christian Association	Digital Inclusion Mobile Apps (AngeLINK)	3/2016	270,540
Hong Kong Down Syndrome Association	Digital Inclusion Mobile Apps (Smart and Fit DS Kids)	3/2016	231,000
Silence Limited	Digital Inclusion Mobile Apps (Silence Sign Language Interpretation App)	3/2016	227,280
GS1 Hong Kong Limited	Hong Kong ICT Awards 2017 [Best Smart Hong Kong Award]	10/2016-6/2017	222,000
Hong Kong Computer Society	Hong Kong ICT Awards 2017 [Best Business Solution Award]	10/2016-6/2017	222,000
Hong Kong Digital Entertainment Association Limited	Hong Kong ICT Awards 2017 [Best Digital Entertainment Award]	10/2016-6/2017	222,000
Hong Kong Information Technology Federation	Hong Kong ICT Awards 2017 [Best Lifestyle Award]	10/2016-6/2017	222,000
Hong Kong Institute of Bankers	Hong Kong ICT Awards 2017 [Best FinTech Award]	10/2016-6/2017	222,000
Hong Kong New Emerging Technology Education Association	Hong Kong ICT Awards 2017 [Best Student Invention Award]	10/2016-6/2017	222,000

Organisation	Name of activity/event	Date	Amount of funding (HK\$)
Hong Kong Business Angel Network	Hong Kong ICT Awards 2017 [Best ICT Startup Award]	10/2016-6/2017	190,000

Number of activities/events organised by IT organisations and non-governmental organisations with funding support of the Office of the Government Chief Information Officer from 2012-13 to 2016-17

2012-13 (Note)

Organisation	Number of Events/ Activities	Amount of funding (HK\$)
Hong Kong Software Industry Association	2	1,130,149
Hong Kong Computer Society	2	379,414
Chinese YMCA of Hong Kong	1	900,041
Hong Kong Society for the Aged	1	800,000
Hong Kong Council of Social Service	1	297,500
Hong Kong Digital Entertainment Association	1	297,494
Hong Kong Information Technology Federation	1	282,967
Hong Kong Wireless Technology Industry Association	1	271,400
Internet Professional Association	1	270,827
Information and Software Industry Association	1	269,500
Green ICT Consortium	1	234,921
The Hong Kong Institution of Engineers - IT Division	1	221,675
Hong Kong R&D Centre for Logistics and Supply Chain Management Enabling Technologies Ltd	1	100,000

2013-14 (Note)

Organisation	Number of funding	Amount of funding (HK\$)
Hong Kong Society for the Aged	2	1,117,000
Hong Kong Council of Social Service	2	699,426
Hong Kong Wireless Technology Industry Association	2	341,500
The Hong Kong Society for Rehabilitation	1	700,715
Hong Kong Blind Union	1	393,300
Yang Memorial Methodist Social Service	1	338,000
The Hong Kong Federation of Handicapped Youth	1	285,300
Evangelical Lutheran Church Social Service - Hong Kong	1	249,439
Communication Association of Hong Kong	1	242,500
Hong Kong Computer Society	1	242,500
Hong Kong Information Technology Federation	1	242,500
Internet Society Hong Kong	1	242,500
Hong Kong Digital Entertainment Association	1	242,154
Information and Software Industry Association	1	240,250
Hong Kong Sheng Kung Hui Welfare Council	1	240,070
Hong Kong New Emerging Technology Education Association	1	228,530
The Hong Kong Society for the Deaf	1	216,000
Po Leung Kuk	1	215,661
The Hong Kong Institution of Engineers - IT Division	1	215,459
SAHK	1	210,000
Hong Kong Lutheran Social Service	1	178,000
Centre for Innovation and Technology, The Chinese University of Hong Kong	1	101,520
Hong Kong R&D Centre for Logistics and Supply Chain Management Enabling Technologies Ltd	1	100,000
The Hong Kong Association for Computer Education	1	100,000

2014-15 (Note)

Organisation	Number of funding	Amount of funding (HK\$)
SME Global Alliance	2	399,851
Hong Kong Computer Society	2	335,416
Chamber of Security Industry	1	999,819
Hong Kong Software Industry Association	1	533,040
Hong Kong Society for the Deaf	1	432,900
Hong Kong Association of the Deaf	1	414,675
The Hong Kong Chinese Importers' & Exporters' Association	1	380,546
Hong Kong Retail Technology Industry Association	1	378,754
Jockey Club Centre for Positive Ageing	1	367,000
Hong Kong Young Women's Christian Association	1	276,768
The Association For Hong Kong Catering Services Management	1	264,875
Hong Kong Information Technology Federation	1	242,000
The Hong Kong Council of Social Service	1	242,000
The Information and Software Industry Association	1	242,000
Hong Kong Digital Entertainment Association Limited	1	241,974
GS1 Hong Kong Limited	1	240,800
Internet Society Hong Kong	1	240,513
Hong Kong Wireless Technology Industry Association	1	233,600
Hong Kong New Emerging Technology Education Association	1	228,059
The Hong Kong Institution of Engineers - Information Technology Division	1	178,534
The Chamber of Hong Kong Logistics Industry	1	178,111
Ebenezer School and Home for the Visually Impaired	1	166,360

2015-16 (Note)

Organisation	Number of funding	Amount of funding (HK\$)
Hong Kong Computer Society	2	363,960
Hong Kong Software Industry Association	1	505,025
Evangelical Lutheran Church Social Service - Hong Kong	1	416,648
Po Leung Kuk	1	376,765
The Hong Kong Society for the Aged	1	300,000
GS1 Hong Kong Limited	1	242,000
Hong Kong Digital Entertainment Association Limited	1	242,000
Hong Kong Information Technology Federation	1	242,000
Hong Kong Institute of Bankers	1	242,000
Hong Kong New Emerging Technology Education Association	1	242,000
Hong Kong Wireless Technology Industry Association	1	242,000
Hong Kong Information Technology Joint Council	1	220,000

2016-17 (by end February 2017) (Note)

Organisation	Number of funding	Amount of funding (HK\$)
Hong Kong Wireless Technology Industry Association	2	322,000
Hong Kong Software Industry Association	1	496,030
Hong Kong Blind Union	1	289,260
SAHK	1	273,000
Hong Kong Young Women's Christian Association	1	270,540
Hong Kong Down Syndrome Association	1	231,000
Silence Limited	1	227,280
GS1 Hong Kong Limited	1	222,000
Hong Kong Computer Society	1	222,000
Hong Kong Digital Entertainment Association Limited	1	222,000
Hong Kong Information Technology Federation	1	222,000
Hong Kong Institute of Bankers	1	222,000
Hong Kong New Emerging Technology Education Association	1	222,000
Hong Kong Business Angel Network	1	190,000

Note: According to the date of funding approval

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CONTROLLING OFFICER'S REPLY**ITB184****(Question Serial No. 2014)**

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

In the 2017-18 Budget, the provision for IT in the Community is \$118.7 million, which is 13.3% higher than the revised estimate for 2016-17, and among other things, the implementation of the Internet Learning Support Programme (ILSP) will be continued in 2017/18. Please advise on the following:

- (1) What are the percentages of eligible families served by ILSP against the overall percentage in 2016/17? What is the frequency of use of the on-site technical support services? What is the promotion expenditure involved?
 - (2) Will the original services provided by ILSP remain unchanged in 2017/18? If not, what are the reasons?
 - (3) What is the Government's progress of supporting the adoption of Internet learning by students from low-income families? Has the Government assessed the work effectiveness in this regard? If yes, what are the details? Please list out the numbers of students from low-income families who (i) have set up Internet connections at home and (ii) have computer equipment at home in the past 5 years (from 2011/12 to 2015/16) and this year (2016/17).
- (i) Having set up Internet connections at home (by category of subsidies)

	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
Families with Members Attending Whole-day Primary Schools	Number of Households	Number of Households	Number of Households	Number of Households	Number of Households	Number of Households
Total Number in						

Hong Kong						
CSSA Recipients						
Textbook Assistance Recipients						
	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
Families with Members Attending Whole-day Secondary Schools	Number of Households	Number of Households	Number of Households	Number of Households	Number of Households	Number of Households
Total Number in Hong Kong						
CSSA Recipients						
Textbook Assistance Recipients						

(i) Having set up Internet connections at home (by monthly domestic household income)

	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
Families with Members Attending Whole-day Primary Schools	Number of Households and Percentage	Number of Households and Percentage	Number of Households and Percentage	Number of Households and Percentage	Number of Households and Percentage	Number of Households and Percentage
Monthly Domestic Household Income Lower than 75% of the Median						
Monthly Domestic Household Income Lower than 50% of the Median						
	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
Families with Members Attending Whole-day Secondary Schools	Number of Households and Percentage	Number of Households and Percentage	Number of Households and Percentage	Number of Households and Percentage	Number of Households and Percentage	Number of Households and Percentage
Monthly Domestic						

Household Income Lower than 75% of the Median						
Monthly Domestic Household Income Lower than 50% of the Median						

(ii) Have computer equipment at home (by category of subsidies)

	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
Families with Members Attending Whole-day Primary Schools	Number of Households	Number of Households	Number of Households	Number of Households	Number of Households	Number of Households
Total Number in Hong Kong						
CSSA Recipients						
Textbook Assistance Recipients						
	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
Families with Members Attending Whole-day Secondary Schools	Number of Households	Number of Households	Number of Households	Number of Households	Number of Households	Number of Households
Total Number in Hong Kong						
CSSA Recipients						
Textbook Assistance Recipients						

(ii) Have computer equipment at home (by monthly domestic household income)

	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
Families with Members Attending Whole-day	Number of Households and Percentage	Number of Households and Percentage	Number of Households and Percentage	Number of Households and Percentage	Number of Households and Percentage	Number of Households and Percentage

Primary Schools						
Monthly Domestic Household Income Lower than 75% of the Median						
Monthly Domestic Household Income Lower than 50% of the Median						
	2011/12	2012/13	2013/14	2014/15	2015/16	2016/17
Families with Members Attending Whole-day Secondary Schools	Number of Households and Percentage	Number of Households and Percentage	Number of Households and Percentage	Number of Households and Percentage	Number of Households and Percentage	Number of Households and Percentage
Monthly Domestic Household Income Lower than 75% of the Median						
Monthly Domestic Household Income Lower than 50% of the Median						

- (4) In February 2017, a survey reported that there were still many grass-roots families who lacked effective support in using computer and the Internet for learning. How much resources will be allocated by the Government for supporting the adoption of Internet learning by students from low-income families in the coming year (2017/18)? What are the expenditure involved and the details of the projects?
- (5) ILSP will end on 31 August 2018 and what is the expected progress at that time? What are the new policies to continue supporting the adoption of Internet learning by students from low-income families after the completion of ILSP? Will users and organisations of grass-roots families, etc. be consulted when the Government studies the way forward in 2017/18? If yes, what are the plans?

Asked by: Hon MOK Charles Peter (Member Question No. 48)

Reply:

The required information is provided as follows:

- (1) In 2016-17, about 180 000 families were eligible for the “Internet Learning Support Programme” (ILSP). As at January 2017, about 73 000 families (41%) and 18 800 families (10%) have participated in and used the services under ILSP respectively, and about 70 000 services have been provided, including around 12 600 onsite technical support. The 2016-17 expenditure for promoting ILSP is around \$800,000.
- (2) The services provided under ILSP in the 2017/18 school year will remain unchanged.
- (3) As at January 2017, about 340 000 services have been delivered to about 55 000 eligible families since the launch of ILSP in July 2011. We, together with the implementers, have been reviewing the implementation progress and effectiveness of ILSP from time to time. According to the customer satisfaction survey conducted in December 2015, 97.2% of the respondents scored 4 or more on the satisfaction rating for ILSP (the highest score being 5), which is significantly higher than the 71.5% attained in a similar survey conducted in late 2012.

According to findings of the Thematic Household Survey on Personal Computer and Internet Penetration (the Survey) conducted by the Census and Statistics Department (C&SD), the number and percentage of households having personal computer connected to the Internet at home and having personal computer at home are tabulated below. The Survey can only provide statistical figures from 2012 onwards with breakdown by monthly household income. Under the 2012 Survey, figures on households having member(s) attending whole-day primary schools are not available because the survey only covered persons aged 10 or above. The 2016 statistics will be published by C&SD in mid-2017.

- (i) Number of households having member(s) attending whole-day primary schools and having personal computer connected to the Internet at home

Monthly household income (HK\$)	Survey period		
	January - April 2013	June - August 2014	May - August 2015
	No. of households (percentage) ^{Note1}	No. of households (percentage) ^{Note1}	No. of households (percentage) ^{Note1}
< 10,000	19 300 (83.6%)	22 100 (84.1%)	17 800 (80.9%)
10,000 - 19,999	78 300 (97.0%)	72 900 (94.3%)	59 200 (90.8%)
20,000 - 29,999	54 900 (97.8%)	47 000 (97.2%)	60 900 (97.5%)
30,000 - 39,999	34 300 (97.1%)	30 900 (97.6%)	39 500 (99.5%)
40,000 - 49,999	23 000 (100.0%)	23 600 (98.9%)	28 200 (99.0%)
≥ 50,000	53 000 (99.5%)	60 100 (98.3%)	62 100 (98.8%)

Overall	262 700 (96.8%)	256 600 (95.5%)	267 600 (95.4%)
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Note ¹: Percentages of households having personal computer connected to the Internet at home against the total number of households with member(s) attending whole-day primary schools of that income group.

(ii) Number of households having member(s) attending whole-day secondary schools and having personal computer connected to the Internet at home

Monthly household income (HK\$)	Survey period			
	June - August 2012	January - April 2013	June - August 2014	May - August 2015
	No. of households (percentage) ^{Note2}	No. of households (percentage) ^{Note2}	No. of households (percentage) ^{Note2}	No. of households (percentage) ^{Note2}
< 10,000	46 600 (92.7%)	42 900 (91.3%)	35 400 (94.6%)	27 700 (94.6%)
10,000 - 19,999	130 300 (98.1%)	124 200 (97.8%)	99 400 (96.3%)	80 800 (93.9%)
20,000 - 29,999	99 500 (98.9%)	94 400 (98.7%)	87 800 (98.1%)	90 100 (96.9%)
30,000 - 39,999	63 000 (98.8%)	57 100 (99.1%)	54 200 (98.1%)	60 600 (99.2%)
40,000 - 49,999	31 100 (97.6%)	27 200 (100.0%)	27 700 (100.0%)	35 300 (100.0%)
≥ 50,000	63 700 (99.6%)	63 500 (100.0%)	69 400 (99.7%)	59 300 (99.5%)
Overall	434 200 (97.9%)	409 300 (97.9%)	374 000 (97.7%)	353 700 (97.1%)

(iii) Number of households having member(s) attending whole-day primary schools and having personal computer at home

Monthly household income (HK\$)	Survey period		
	January - April 2013	June - August 2014	May - August 2015
	No. of households (percentage) ^{Note3}	No. of households (percentage) ^{Note3}	No. of households (percentage) ^{Note3}
< 10,000	19 800 (85.7%)	25 300 (96.1%)	18 300 (83.4%)
10,000 - 19,999	79 500 (98.4%)	76 800 (99.4%)	60 200 (92.4%)
20,000 - 29,999	55 100 (98.3%)	47 900 (99.1%)	61 100 (97.8%)
30,000 - 39,999	34 300 (97.1%)	31 400 (99.1%)	39 500 (99.5%)
40,000 - 49,999	23 000 (100.0%)	23 600 (98.9%)	28 200 (99.0%)
≥ 50,000	53 000 (99.5%)	60 400 (98.7%)	62 100 (98.8%)

Overall	264 600 (97.5%)	265 400 (98.8%)	269 400 (96.0%)
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Note ²: Percentages of households having personal computer connected to the Internet at home against the total number of households with member(s) attending whole-day secondary schools of that income group.

Note 3: Percentages of households having personal computer at home against the total number of households with member(s) attending whole-day primary schools of that income group.

(iv) Number of households having member(s) attending whole-day secondary schools and having personal computer at home

Monthly household income (HK\$)	Survey period			
	June - August 2012	January - April 2013	June - August 2014	May - August 2015
	No. of households (percentage) ^{Note4}	No. of households (percentage) ^{Note4}	No. of households (percentage) ^{Note4}	No. of households (percentage) ^{Note4}
< 10,000	47 100 (93.5%)	43 500 (92.6%)	36 100 (96.4%)	27 700 (94.6%)
10,000 - 19,999	131 000 (98.6%)	124 600 (98.2%)	100 500 (97.4%)	81 600 (94.7%)
20,000 - 29,999	99 500 (98.9%)	94 900 (99.2%)	88 300 (98.6%)	90 500 (97.4%)
30,000 - 39,999	63 200 (99.2%)	57 100 (99.1%)	54 200 (98.1%)	60 800 (99.6%)
40,000 - 49,999	31 400 (98.5%)	27 200 (100.0%)	27 700 (100.0%)	35 300 (100.0%)
≥ 50,000	64 000 (100.0%)	63 500 (100.0%)	69 400 (99.7%)	59 300 (99.5%)
Overall	436 100 (98.4%)	410 800 (98.3%)	376 200 (98.3%)	355 200 (97.5%)

- (4) In 2017-18, we have reserved \$32 million to continue with implementation of ILSP to help eligible families acquire affordable home broadband services, computer and printers, and provide technical support, training and counseling to enable them to undertake web-based learning at home.
- (5) We estimate that about 452 000 services would have been delivered to about 67 000 eligible families by the end of ILSP in late August 2018. We will continue to review the service utilisation of ILSP and the Internet learning support provided by schools and different organisations for students to consider suitable support measures for students from low-income families to undertake web-based learning.

Note 4: Percentages of households having personal computer at home against the total number of households with member(s) attending whole-day secondary schools of that income group.

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CONTROLLING OFFICER'S REPLY**ITB185****(Question Serial No. 6702)**

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (1) Use of IT in Government

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the government cloud platforms and the development and operation of common e-government services,

- (1) Please list out in tabular form the departments that have implemented the e-Procurement System to conduct all their low-value purchases, and the departments that have not implemented the e-Procurement System to conduct all their low-value purchases;
- (2) Please provide the details of the Electronic Recordkeeping System (ERKS);

Bureau/ Department (B/D)	The Year Commencing the Use of ERKS	Hardware and Software Used for the Implementation of ERKS	Contractor/ Self- development	Development and Operating Expenditure (\$)	Number of Records Produced, Stored, Transferred to the Government Records Service (GRS) and Destroyed since the Implementation of ERKS

- (3) What are the criteria for the review of the implementation of ERKS in 2015? Are unified standards formulated for ERKS together with GRS? If yes, what are the details?

- (4) The names of B/Ds that have completed the system upgrade projects for the confidential email system;
- (5) The numbers of mobile devices supporting the confidential email system that are held or used by B/Ds and the expenditure involved;

B/D	Number of Mobile Devices Supporting the Confidential Email System	Model of the Mobile Device	Rank of the Government Officer using Mobile Devices

- (6) For B/Ds adopting the Government Public Cloud Services (GPCS) in 2016-17, please list out in the table below the systems adopted as well as the names/titles of companies or services;

B/D	Productivity Applications	Business Applications	Cloud IT Services	Social Media Applications	Service Provider	Expenditure

- (7) Please provide in tabular form a list of GPCS providers that offer public cloud services to the Government, as well as the types of services offered.

Asked by: Hon MOK Charles Peter (Member Question No. 110)

Reply:

The required information is as follows:

- (1) Please refer to **Annex A** for a list of government bureaux and departments (B/Ds) that have implemented or planned to implement the e-Procurement System by March 2018 to conduct all their low-value purchases.
- (2) Please refer to **Annex B** for a list of common shared services for the Electronic Recordkeeping System (ERKS) implemented and hosted on government cloud platforms by B/Ds.
- (3) The Government Records Service (GRS), together with the Efficiency Unit and the Office of the Government Chief Information Officer (OGCIO), conducted an initial assessment and review in 2014 on the ERKS implementation in the 5 participating departments in Phase 1. The review included the implementation experience, as well as costs incurred and benefits, such as savings in manpower, paper, rental for file storage space, etc.

To assist B/Ds in initiating, planning, implementing, managing and maintaining an ERKS, GRS has developed the following electronic records management standards and ERKS implementation guidelines for the reference of B/Ds:

- (a) Guidelines on Management of Electronic Mails;
 - (b) Disposal of Original Records (for records that have been digitised and stored in a digital form);
 - (c) Functional Requirements of an Electronic Recordkeeping System;
 - (d) Recordkeeping Metadata Standard for the Government of the Hong Kong Special Administrative Region;
 - (e) Recordkeeping Metadata Standard for the Government of the Hong Kong Special Administrative Region: Implementation Guidelines;
 - (f) A Handbook on Preservation of Electronic Records;
 - (g) Guidelines on Mapping out Implementation of an Electronic Recordkeeping System in the Context of Developing Organisational Electronic Information Management Strategies;
 - (h) A Handbook on Records Management Practices and Guidelines for an Electronic Recordkeeping System;
 - (i) Guidelines on Implementation of an Electronic Recordkeeping System: Key Considerations and Preparation Work Required;
 - (j) Manual on Evaluation of an Electronic Recordkeeping System;
 - (k) Guidelines for Managing Records in a Hybrid Environment.
- (4) As at February 2017, a total of 30 B/Ds have completed the system upgrade for the confidential email system. The list is set out in **Annex C**. Most of the remaining B/Ds will complete the system upgrade by the third quarter of 2017.
- (5) As at February 2017, 942 staff members of 31 B/Ds are provided with dedicated mobile devices to access the government confidential email system, through a specific mobile application. B/Ds will arrange for individual staff members to use and install these mobile devices and the mobile confidential email application according to their operational needs. OGCIO does not have information on the ranks of the users of B/Ds and the operating expenditure involved in using mobile confidential emails.
- (6) In 2016-17 (as at end February 2017), the total expenditure of B/Ds for adopting the Government Public Cloud Services (GPCS) is about \$2.75 million. Please refer to **Annex D** for a list of the B/Ds adopting GPCS as well as the information of the systems or services adopted.
- (7) Please refer to **Annex E** for a list of GPCS providers and the categories of the services provided.

B/Ds that have implemented or plan to implement e-Procurement System by March 2018 to conduct all their low-value purchases

B/D	Status/Progress
Audit Commission Auxiliary Medical Service Environmental Protection Department Financial Services and the Treasury Bureau (The Treasury Branch) Government Logistics Department Hong Kong Observatory Immigration Department Independent Commission Against Corruption Joint Secretariat for the Advisory Bodies on Civil Service and Judicial Salaries and Conditions of Service Office of the Government Chief Information Officer Official Receiver's Office Treasury Working Family and Student Financial Assistance Agency (Working Family Allowance Office)	Have implemented e-Procurement System
Buildings Department Census and Statistics Department Civil Aid Service Civil Engineering and Development Department Commerce and Economic Development Bureau (Communications and Creative Industries Branch) Correctional Services Department Customs and Excise Department Drainage Services Department Environment Bureau Financial Services and the Treasury Bureau (Financial Services Branch) Food and Environmental Hygiene Department Government Flying Service Government Property Agency Information Services Department Inland Revenue Department Innovation and Technology Bureau Intellectual Property Department Invest Hong Kong Lands Department Rating and Valuation Department Registration and Electoral Office Trade and Industry Department Working Family and Student Financial Assistance Agency (Student Finance Office)	Plan to implement e-Procurement System by March 2018

Details of the common shared services for ERKS implemented and hosted on government cloud platform

B/D	Year of rollout of ERKS (Note 1)	Contractor/ Self-developed	Development and operating expenditure (\$)	Number of records generated, stored, transferred to GRS and destroyed (Note 2)
Government Records Service	2014	Contractor	Development cost: \$11.8M Annual operating expenditure: 1.2M	Number of records in ERKS: 450 000
Intellectual Property Department	2016	Contractor	Development cost: \$14.9M Annual operating expenditure: \$2.7M (Note 3)	Number of records in ERKS: 10 000
Office of the Government Chief Information Officer	2016	Contractor		Number of records in ERKS: 17 000
Administration Wing	2016	Contractor	Development cost: \$5.5M Annual operating expenditure: not yet available (Note 4)	(Note 5)
Civil Engineering and Development Department	2017	Contractor	Development cost: \$10.9M Annual operating expenditure: 3.1M	(Note 5)
Architectural Services Department	2017 (planned)	Contractor	Development cost: \$13.6M Annual operating expenditure: \$2.0M (Note 3)	(Note 6)
Marine Department	2018 (planned)	Contractor		(Note 6)

Note:

1. These systems adopt different kinds of software and hardware components that are commonly available in the market and have met the related standards.
2. As the ERKSs shown in this table have only been implemented since 2014, the electronic records kept in these ERKSs are not yet due for disposal. Therefore, no electronic record kept in the ERKSs has been approved for destruction or transferred to GRS for permanent retention.
3. The implementation and the maintenance and support services for the ERKSs of the two departments are covered in a single contract.
4. The annual operating expenditure is subject to the result of the respective procurement exercises.
5. The ERKS was rolled out to Phase 1 users only. The figures are not yet available.
6. The ERKS has not been rolled out. The figures are not yet available.

**B/Ds that have completed the system upgrade
for the confidential email system
(as at February 2017)**

1. Auxiliary Medical Service
2. Central Policy Unit
3. Civil Aviation Department
4. Civil Engineering and Development Department
5. Commerce and Economic Development Bureau
6. Companies Registry
7. Correctional Services Department
8. Create Hong Kong
9. Development Bureau (Planning and Lands Branch)
10. Drainage Services Department
11. Government Records Service
12. Highways Department
13. Home Affairs Department
14. Independent Police Complaints Council
15. Information Services Department
16. Innovation and Technology Bureau
17. Innovation and Technology Commission
18. Intellectual Property Department
19. Joint Secretariat for the Advisory Bodies on Civil Service and Judicial Salaries and Conditions of Service
20. Land Registry
21. Lands Department
22. Legal Aid Department
23. Office of the Communications Authority
24. Office of the Government Chief Information Officer
25. Public Service Commission
26. Secretariat, Commissioner on Interception of Communications and Surveillance
27. Trade and Industry Department
28. Transport and Housing Bureau (Transport Branch)
29. Water Supplies Department
30. Working Family and Student Financial Assistance Agency

B/Ds that have adopted GPCS and the systems or services adopted ^{Note}

B/D	Productivity Applications	Business Applications	Cloud IT Services	Social Media Applications
Constitutional and Mainland Affairs Bureau	-	Cloud-based email service	-	-
Education Bureau	-	Cloud-based service desk management service	Hosting service	-
Hong Kong Observatory	-	Cloud-based email service	-	-
Immigration Department	-	Cloud-based email service	-	-
Information Services Department	-	-	Content delivery network service	-
Office of the Commissioner of Insurance	-	Cloud-based email service	-	-
Office of the Government Chief Information Officer	Cloud-based office software service	-	Content delivery network service	
Planning Department	-	Cloud-based email service	-	-
Transport Department	-	-	Hosting service	-

Note: The service providers are on the list of GPCS providers and engaged upon established government procurement procedures.

GPCS providers and categories of the services provided

	GPCS Provider	Productivity Applications	Business Applications	Cloud IT Services	Social Media Applications
1	Accenture Company Limited	✓	✓	✓	✓
2	Alibaba.com Singapore E-Commerce Private Limited			✓	
3	Apptask Limited	✓			
4	Arcotect Limited	✓	✓	✓	✓
5	Automated Systems (HK) Limited	✓	✓	✓	✓
6	Azeus Systems Limited	✓			✓
7	China Comservice (Hong Kong) Limited	✓		✓	✓
8	CITIC Telecom International CPC Limited		✓	✓	
9	Cluster Technology Limited			✓	
10	Continuous Technologies International Limited	✓	✓	✓	✓
11	Designercity (HK) Limited	✓	✓	✓	✓
12	Dimension Data China/Hong Kong Limited	✓	✓	✓	✓
13	Diyixian.com Limited			✓	
14	Electronic Business Solutions Limited	✓	✓	✓	✓
15	EmployeeConnect (Greater China) Limited	✓	✓	✓	✓
16	EQUANT Hong Kong Limited			✓	
17	Expert Systems Limited	✓	✓	✓	✓
18	Global Technology Integrator Limited	✓	✓	✓	✓
19	Hewlett-Packard HK SAR Limited	✓	✓	✓	✓
20	Hong Kong Telecommunications (HKT) Limited			✓	
21	Hutchison Global Communications Limited	✓	✓	✓	✓
22	I Consulting Group Limited			✓	
23	IBM China/Hong Kong Limited	✓	✓	✓	✓
24	Jardine OneSolution (HK) Limited	✓	✓	✓	✓
25	KBQuest Hong Kong Limited	✓	✓	✓	✓
26	Kinetix Systems Limited	✓	✓	✓	✓
27	Master Concept (Hong Kong) Limited	✓	✓	✓	✓
28	Masterson Technology			✓	

	GPCS Provider	Productivity Applications	Business Applications	Cloud IT Services	Social Media Applications
	Limited				
29	Microware Limited	✓	✓	✓	✓
30	NEC Hong Kong Limited	✓	✓	✓	✓
31	New World Telecommunications Limited		✓	✓	
32	Nexify Limited				✓
33	NTT Com Asia Limited		✓	✓	
34	OPM Systems Company Limited	✓	✓	✓	✓
35	Pacificnet Hosting Limited		✓	✓	
36	PCCW Solutions Limited	✓	✓	✓	✓
37	Portalvision Limited	✓			✓
38	Ricoh Hong Kong Limited	✓	✓	✓	✓
39	Speedy Group Corporation Limited		✓		✓
40	SunnyVision Limited	✓	✓	✓	✓
41	Superhub Limited	✓	✓	✓	
42	Systems Information Technology (HK) Limited	✓	✓	✓	✓
43	Telecommunications and Technology Asia Limited		✓		
44	UDomain Web Hosting Company Limited			✓	✓
45	Verizon Hong Kong Limited	✓		✓	
46	Wai On Services Limited	✓	✓	✓	✓
47	Wharf T&T Limited	✓	✓		

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CONTROLLING OFFICER'S REPLY**ITB186****(Question Serial No. 6704)**

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the work of promoting high-tier data centre development, will the Government advise on the following:

- (1) The numbers of applications for converting parts of industrial buildings into data centres and the numbers of approved cases in 2016-17 (as at 28 February 2017);
- (2) The Gross Floor Area (GFA) currently available for high-tier data centre use (please list out respectively);

	Number of Lots	GFA
Tseung Kwan O Industrial Estate		
Tai Po Industrial Estate		
Other Districts		

- (3) The expenditure and details for promoting to the Mainland and overseas parties that Hong Kong (is suitable) for setting up data centres in the Asia Pacific Region in 2017-18;
- (4) What are the area and estimated GFA (m2) of sites to be made available for high-tier data centre development in 2017-18?

Asked by: Hon MOK Charles Peter (Member Question No. 112)

Reply:

The requested information is as follows:

- (1) In 2016-17 (up to 28 February 2017), the Government has received and approved 1 application for converting parts of industrial building for data centre use.
- (2) The Gross Floor Area (GFA) currently available for high-tier data centre use is as follows:

	Number of Lots	GFA (m ²)
Tseung Kwan O Industrial Estate	11	About 339 000
Tai Po Industrial Estate	1	About 17 000
Other Districts	No relevant information	

- (3) The Government has been promoting Hong Kong as a prime location for setting up data centres in the Asia Pacific Region mainly through the data centre thematic website for Mainland and overseas parties. No expenditure was involved in individual activities.
- (4) The Government has reserved 3 sites with a total area of about 3 hectares in Tseung Kwan O for high-tier data centre development. The first site of about 1 hectare was disposed in 2013 with a GFA of about 44 000 m² expected to be available upon completion in 2017-18. The Office of the Government Chief Information Officer is liaising with the relevant departments to make available the remaining 2 sites for open tender as soon as possible. It is estimated that these sites will provide an estimated GFA of about 120 000 m².

- End -

CONTROLLING OFFICER'S REPLY

ITB187

(Question Serial No. 6706)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: Not Specified

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

It is mentioned in Programme (1) that there will be an increase of 12 posts in 2017-18. Please list out the post titles, numbers, responsibilities, salaries and allowances of these new posts.

Asked by: Hon MOK Charles Peter (Member Question No. 114)

Reply:

The required information is tabulated as follows:

Rank	Number of New Posts	Responsibilities	Salary of the Relevant Rank (HK\$)	Allowance
Systems Manager	1	To enhance information security management and cyber security threat surveillance	65,740 – 99,205	Subject to the terms of appointment, eligibility of officers, and the prevailing civil service mechanism
Analyst/ Programmer I	3		51,780 – 65,150	
Analyst/ Programmer II	3		29,455 – 49,445	
Systems Manager	2	To manage and support common information technology (IT) applications for use by bureaux/departments and to perform the associated coordination work	65,740 – 99,205	
Systems Manager	1	To monitor government IT project governance	65,740 – 99,205	
Analyst/ Programmer II	1		29,455 – 49,445	
Executive Officer I	1	To provide support for the operation, development and promotion of GovHK	51,780 – 65,150	

- End -

CONTROLLING OFFICER'S REPLY

ITB188

(Question Serial No. 6708)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (1) Use of IT in Government

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the new government data centre (complex) and the central IT infrastructure facilities, will the Government advise on the following:

- (1) What are the expenditure for operating government data centres and the expenditure for renting private data centres or procuring data hosting services by government bureaux and departments in 2016-17?
- (2) What is the progress of the pre-construction design work for the government data centre complex and what is the estimated construction cost?

Asked by: Hon MOK Charles Peter (Member Question No. 116)

Reply:

The required information is provided as follows:

- (1) In 2016-17, the expenditure incurred by government bureaux and departments (B/Ds) for operating government data centres is about \$217 million whereas the expenditure for renting private data centres or procuring data centre hosting services is about \$112 million.
- (2) The pre-construction consultancy work for the government data centre complex is still in progress and expected to be completed in 2018. We can only provide the specific cost estimate of the data centre complex project upon completion of the consultancy work.

- End -

CONTROLLING OFFICER'S REPLY**ITB189****(Question Serial No. 6710)**

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (2) IT Infrastructure and Standards

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the commissioning of a consultant to review the development and usage of e-Certs, and formulate the institutional arrangement as well as possible business and implementation models that best suit Hong Kong, will the Government advise on the following:

- (1) The name of the consultant commissioned to conduct the study and the expenditure involved. Have the stakeholders concerned been consulted? If yes, what are the details, timetable as well as manpower and expenditure required?
- (2) Statistics on valid e-Certs issued by the Hongkong Post Certification Authority in Hong Kong:

Types of e-Certs	2016
Personal (for Smart ID card)	
Personal	
Organisational	
Organisational Role	
Server	
Encipherment	
Bank-Cert (Personal)	
Bank-Cert (Corporate)	
Bank-Cert (Bank)	

- (3) Will the introduction of time-stamping and the amendment to the Electronic Transactions Ordinance be studied to facilitate the use of e-Certs?

Asked by: Hon MOK Charles Peter (Member Question No. 118)

Reply:

The requested information is as follows:

- (1) The Office of the Government Chief Information Officer (OGCIO) has appointed KPMG Advisory (Hong Kong) Limited to conduct a consultancy study on ways to promote use of digital certificates in e-commerce and e-government and the institutional arrangements for public certification authority service. The expenditure is about \$4.1 million. The study is expected to be completed in mid-2017. In the course of the study, the consultant would consult relevant stakeholders, including government departments, the industry and public organisations. The consultation falls within the consultant's scope of work. No additional manpower nor expenditure of OGCIO will be involved.
- (2) As at the end of 2016, the number of valid e-Certs issued by the Hongkong Post Certification Authority in Hong Kong are as follows:

Types of e-Certs	Number of e-Certs
Personal (for Smart ID card)	163
Personal	14 448
Organisational	44 245
Organisational Role	4 437
Server	974
Encipherment	14 311
Bank-Cert (Personal)	36 756
Bank-Cert (Corporate)	7 999
Bank-Cert (Bank)	4

- (3) The consultancy study covers various topics. Upon completion of the consultancy report, the Government will consider carefully the recommendations put forward by the consultant and formulate appropriate measures to facilitate the use of digital certificates.

- End -

CONTROLLING OFFICER'S REPLY

ITB190

(Question Serial No. 6711)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (2) IT Infrastructure and Standards

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the launching of the “Enriched IT Programme in Secondary Schools”, the organisation of activities and the arrangement of internships to nurture IT professionals for the future development of Hong Kong, please advise on the following:

- (1) The numbers of students, class hours and the average attendance rates of the Enriched IT Classes in the 2015/16 school year and the 2016/17 school year;
- (2) The total number, titles, venues, the numbers of attending students and the expenditure involved for the Enriched IT Activities organised in 2016-17;
- (3) The estimated number of internships that can be arranged for Secondary Six Enriched IT Class students in the 2017/18 school year, the names of technology companies and details of the internship work;
- (4) Is there any plan for arranging students to have overseas exchanges and facilitate the teaching for other new students, and for providing free programming classes for more primary and secondary schools?

Asked by: Hon MOK Charles Peter (Member Question No. 120)

Reply:

The requested information is provided as follows:

- (1) Details of the implementation of the Enriched IT Classes in the 2015/16 and 2016/17 school years are in **Annex 1**.

(2) Details of the Enriched IT Activities with funding support from the Office of the Government Chief Information Officer in 2016-17 are in **Annex 2**.

(3) Two partner schools, which will operate Secondary Six Enriched IT Class in the 2017/18 school year, will liaise the IT industry in due course for arranging internship for their Secondary Six class graduates in the summer of 2018. Information such as the number of intern positions, names of technology companies and the job duties is not available at this stage.

(4) All 8 partner schools plan to organise Mainland and overseas exchange programmes for Enriched IT Class students in 2017, and the destinations include the United States, Canada, France, Taiwan and Shenzhen. Besides, some partner schools also arrange Enriched IT Class students to assist in teaching other students, including the offering of coding activities in other secondary and primary schools.

Details of the Enriched IT Classes in the 2015/16 School Year

School	Number of IT Class Students	Class Hour	Average Attendance Rate
1. Cheung Sha Wan Catholic Secondary School	S2: 36	96	93.0%
2. Christian Alliance SW Chan Memorial College	S2: 32	123	92.0%
3. Pak Kau College	S2: 36	108	95.0%
4. Pui Ching Middle School	S2: 30	96	86.0%
	S4: 29	96	80.0%
5. Shun Tak Fraternal Association Yung Yau College	S2: 32	127	85.4%
	S4: 25	102	83.1%
6. St. Paul's Convent School	S2: 67	96	96.4%
7. The Y.W.C.A. Hioe Tjo Yoeng College	S2: 35	99	95.5%
8. Tin Ka Ping Secondary School	S2: 31	96	78.0%
Total	353		

Details of the Enriched IT Classes in the 2016/17 School Year (as at 28 February 2017)

School	Number of IT Class Students	Class Hour	Average Attendance Rate
1. Cheung Sha Wan Catholic Secondary School	S2: 36	42	94%
	S3: 36	45	93%
2. Christian Alliance SW Chan Memorial College	S2: 42	63	95%
	S3: 31	83	98%
3. Pak Kau College	S2: 33	61	97%
	S3: 36	61	95%
4. Pui Ching Middle School	S2: 33	48	75%
	S3: 41	30	92%
	S4: 30	44	75%
	S5: 31	44	60%
5. Shun Tak Fraternal Association Yung Yau College	S2: 35	90	84%
	S3: 32	58	80%
	S4: 29	99	81%
	S5: 25	40	83%
6. St. Paul's Convent School	S2: 64	60	92%
	S3: 40	57	92%
7. The Y.W.C.A. Hioe Tjo Yoeng College	S2: 34	33	99%
	S3: 35	48	89%
8. Tin Ka Ping Secondary School	S2: 26	68	89%
	S3: 30	66	84%
Total	699		

Details of the Enriched IT Activities Organised in 2016-17

School	Name of Activity	Venue	Number of Attending Students	Expenditure (\$)
1. AD & FD POHL Leung Sing Tak College	Creative 3D Product Design Electronic Workshop	AD & FD POHL Leung Sing Tak College	320	48,500
2. Baptist Lui Ming Choi Secondary School	Workshops on IOT Technologies	Baptist Lui Ming Choi Secondary School	16	49,800
3. Baptist Wing Lung Secondary School	Workshops on IOT Technologies	Baptist Wing Lung Secondary School	20	49,800
4. C.C.C. Kei Chi Secondary School	Quadcopters Training Program and Aerial Photography Day	C.C.C. Kei Chi Secondary School	54	49,480
5. C.C.C. Rotary Secondary School	Virtual Reality Programme	C.C.C. Rotary Secondary School	820	49,000
6. Catholic Ming Yuen Secondary School	Quadcopters Training Program	Catholic Ming Yuen Secondary School	19	49,750
7. CCBS Mrs. Aw Boon Haw Secondary School	Robot Short Course – mBot/ mBlock/Arduino Training Program	CCBS Mrs. Aw Boon Haw Secondary School	25	49,700
8. CCC Mong Man Wai College	Quadcopters training Program and Aerial Photography Day (Talk and Workshop)	CCC Mong Man Wai College	770	49,750
9. Chan Sui Ki (La Salle) College	App Programming Courses	Chan Sui Ki (La Salle) College	28	50,000
10. Cheung Chuk Shan College	Mobile Application Development and Robotic Exploration – Arduino Training Program	Cheung Chuk Shan College	30	49,700
11. Chinese YMCA College	Training Course for Smart Home Maker	Chinese YMCA College	126	50,005
12. Christian & Missionary Alliance Sun Kei Secondary School	Creativity IT STEM Activities Programme towards Robotics, Coding and Bio-Potential Control	Christian & Missionary Alliance Sun Kei Secondary School	18	48,980

School	Name of Activity	Venue	Number of Attending Students	Expenditure (\$)
13. Christian Alliance Cheng Wing Gee College	Scratch your Learning	Christian Alliance Cheng Wing Gee College	30	49,996
14. CMA Secondary School	Creative CommonsArm	CMA Secondary School	60	50,000
15. Cognitio College (Kowloon)	“Mission I’m Possible” – Intelligent Retriever in Inaccessible Locations	Cognitio College (Kowloon)	874	42,620
16. De La Salle Secondary School, N.T.	Enriched IT Activities Programme 2016	De La Salle Secondary School, N.T.	84	48,600
17. ELCHK Lutheran Secondary School	Developing aspiration of IT innovation through training in IoT technology and STEM skills and joint-school competition	ELCHK Lutheran Secondary School	20	50,000
18. Fanling Kau Yan College	Developing aspiration of IT innovation through training in IoT technology and STEM skills and joint-school competition	Fanling Kau Yan College	19	49,800
19. Henrietta Secondary School	Aerial Photography Day (Outing and Workshop)	Henrietta Secondary School	12	46,500
20. Heung To Middle School (Tin Shui Wai)	Product Design Workshop for Smart Home Applications	Heung To Middle School (Tin Shui Wai)	30	49,500
21. HKSKH Bishop Hall Secondary School	Digital Art and Virtual Reality Programming	HKSKH Bishop Hall Secondary School	29	50,000
22. HKTA The Yuen Yuen Institute No. 2 Secondary School	Intensive Course on Digital Art - Digital Drawings, 2D and 3D Anime Design Program	HKTA The Yuen Yuen Institute No. 2 Secondary School	20-25	49,980
23. HKTA The Yuen Yuen Institute No. 3 Secondary School	Quadcopters Training Program	HKTA The Yuen Yuen Institute No. 3 Secondary School	23	49,750
24. HKUGA College	Innovative IT Activities Programme	HKUGA College	300	45,600
25. Ho Dao College (Sponsored By Sik Sik Yuen)	Aerial Photography Activities (Talk and Workshop) and Quadcopter Assembly Training Program	Ho Dao College (Sponsored By Sik Sik Yuen)	237	49,750
26. Ho Ngai	The Rise of Micro-controller	Ho Ngai College	135	49,970

School	Name of Activity	Venue	Number of Attending Students	Expenditure (\$)
College (Sponsored by Sik Sik Yuen)		(Sponsored by Sik Sik Yuen)		
27. Holy Trinity College	Arduino Coding and 3D Printing Workshop	Holy Trinity College	21	48,500
28. Hong Kong Sea School	Be a Flying Camera Man	Hong Kong Sea School	20	50,000
29. Hong Kong Tang King Po College	Intensive Program on Digital Art – Digital Drawings, 2D and 3D Anime Design Program	Hong Kong Tang King Po College	20-25	50,000
30. Hong Kong Taoist Association The Yuen Yuen Institute No. 1 Secondary School	Developing students' aspiration of IT innovation through learning in programming and somatosensory technology	Hong Kong Taoist Association The Yuen Yuen Institute No. 1 Secondary School	38	49,700
31. Hong Kong True Light College	Product Design Workshop for Internet of Things based Applications	Hong Kong True Light College	60	49,488
32. Islamic Kasim Tuet Memorial College	Aerial Photography Day (Talk and Workshop)	Islamic Kasim Tuet Memorial College	80	45,750
33. Ju Ching Chu Secondary School (Tuen Mun)	Developing aspiration of IT innovation through training in IoT technology and STEM skills and joint-school competition	Ju Ching Chu Secondary School (Tuen Mun)	20	50,000
34. Kiangsu-Chekiang College (Kwai Chung)	Aerial Photography Day (Talk and Workshop)	Kiangsu-Chekiang College (Kwai Chung)	120-175	48,250
35. Kowloon Technical School	Interest Group and Workshop of Intelligent Robot	Kowloon Technical School	18-24	50,000
36. Kwai Chung Methodist College	Developing mobile apps course	Kwai Chung Methodist College	43	50,000
37. Kwok Tak Seng Catholic Secondary School	Quadcopters training program	Kwok Tak Seng Catholic Secondary School	20	49,750
38. Lai Chack Middle School	Developing aspiration of IT innovation through training in IoT technology and STEM skills and joint-school competition	Lai Chack Middle School	41	49,900
39. Lai King Catholic Secondary	Mobile Apps Development	Lai King Catholic Secondary School	50	49,941

School	Name of Activity	Venue	Number of Attending Students	Expenditure (\$)
School				
40. Lam Tai Fai College	Robot Course - Microcomputer Robot Development Course	Lam Tai Fai College	10	49,700
41. Law Ting Pong Secondary School	Robotics Coding	Law Ting Pong Secondary School	20-25	50,000
42. Ling Liang Church M H Lau Secondary School	STEM Seed Project	Ling Liang Church M H Lau Secondary School	380	50,000
43. Lingnan Dr Chung Wing Kwong Memorial Secondary School	Mobile Apps Development Course	Lingnan Dr Chung Wing Kwong Memorial Secondary School	26	50,000
44. Lok Sin Tong Ku Chiu Man Secondary School	Fun with WRO	Lok Sin Tong Ku Chiu Man Secondary School	20	65,170
45. Lok Sin Tong Yu Kan Hing Secondary School	Automation, the Internet of Things and Their Applications in Real Life	Lok Sin Tong Yu Kan Hing Secondary School	120	50,000
46. Ma Kam Ming Charitable Foundation Ma Chan Duen Hey Memorial College	Robotics Short Course - Arduino Training Program	Ma Kam Ming Charitable Foundation Ma Chan Duen Hey Memorial College	20-25	49,700
47. Ma On Shan St. Joseph's Secondary School	Robotics Development using Microcomputer	Ma On Shan St. Joseph's Secondary School	20	49,700
48. Newman Catholic College	Workshop on Aerial Photography and Videography	Newman Catholic College	20	50,000
49. Ning Po College	"Think BIG, starts from Small" Program (2D & 3D Digital Art Training Program)	Ning Po College	24	50,000
50. Ning Po No.2 College	Mobile Apps Development Course – Smart Apps Creator Training Program	Ning Po No.2 College	42	49,980
51. Notre Dame College	Diversification IT Creative Programme	Notre Dame College	74	49,960
52. Our Lady of the Rosary College	Exploring Robotics	Our Lady of the Rosary College/Hong	20	48,930

School	Name of Activity	Venue	Number of Attending Students	Expenditure (\$)
		Kong Science Park		
53. Po Chiu Catholic Secondary School	Developing aspiration of IT innovation through training in IoT technology and STEM skills and joint-school competition	Po Chiu Catholic Secondary School	38	49,800
54. Po Leung Kuk Lo Kit Sing (1983) College	Workshops on Robotics and 3D Printing	Po Leung Kuk Lo Kit Sing (1983) College	14	50,000
55. Po Leung Kuk Ma Kam Ming College	IoT-based 3D Product Design Workshop	Po Leung Kuk Ma Kam Ming College	29	49,500
56. Po Leung Kuk Tong Nai Kan Junior Secondary College	Smart Object Interactive Robot Series	Po Leung Kuk Tong Nai Kan Junior Secondary College	20	49,998
57. Po On Commercial Association Wong Siu Ching Secondary School	STEM Coding Class - Inventor	Po On Commercial Association Wong Siu Ching Secondary School	20	48,370
58. Pui Kiu Middle School	Developing aspiration of IT innovation through training in IoT technology and STEM skills and joint-school competition	Pui Kiu Middle School	20	49,800
59. QualiEd College	Robotics DIY	QualiEd College	20	25,000
60. Queen Elizabeth School Old Students' Association Secondary School	Digital Art Training Program and 2D & 3D Anime Design Training Program	Queen Elizabeth School Old Students' Association Secondary School	20-25	50,000
61. Rhenish Church Pang Hok Ko Memorial College	Android Interactive Creations	Rhenish Church Pang Hok Ko Memorial College	23	40,360
62. S.K.H. Holy Trinity Church Secondary School	Robotics & 3D Modeling	S.K.H. Holy Trinity Church Secondary School	22	50,000
63. Salesian English School	Make Your Own Robot	Salesian English School	40	49,400
64. Semple	Robotics Short Course - Arduino	Semple Memorial	20	49,700

School	Name of Activity	Venue	Number of Attending Students	Expenditure (\$)
Memorial Secondary School	Training Program	Secondary School		
65. Sha Tin Methodist College	Innovative IT and STEM Activities Programme	Sha Tin Methodist College	25	50,000
66. SHK Bishop Mok Sau Tseng Secondary School	Aerial Photography Day (Talk and Workshop) and Quadcopters Training Program	SHK Bishop Mok Sau Tseng Secondary School	18	45,750
67. Shun Lee Catholic Secondary School	APPS Development Training Program	Shun Lee Catholic Secondary School	19	50,000
68. SKH Bishop Baker Secondary School	Developing an IT-rich campus through professional training and student-directed project design	SKH Bishop Baker Secondary School	320	50,000
69. SKH St. Mary's Church Mok Hing Yiu College	Google Cardboards and Virtual Reality	SKH St. Mary's Church Mok Hing Yiu College	20	49,900
70. St Stephen's College	Virtual Reality and Augmented Reality	St Stephen's College	30	50,000
71. St. Joan of Arc Secondary School	Learning STEM on Programmable Robot with Limitless Fun	St. Joan of Arc Secondary School	20	50,000
72. St. Margaret's Co-educational English Secondary and Primary School	Innovative eMakers	St. Margaret's Co-educational English Secondary and Primary School	30	50,000
73. The Church of Christ in China Ming Yin College	Joint-School IT Week: Quadcopters Training Program and Aerial Photography Day (Talk and Workshop)	The Church of Christ in China Ming Yin College	258	49,750
74. The ELCHK Yuen Long Lutheran Secondary School	Innovative IT Activities Programme	The ELCHK Yuen Long Lutheran Secondary School	64	41,200
75. The HKTA Ching Chung Secondary School	Developing aspiration of IT innovation through training in IoT technology and STEM skills and joint-school competition	The HKTA Ching Chung Secondary School	20	50,000
76. The Hong Kong Chinese Christian	Enrich Students App Development Experience	The Hong Kong Chinese Christian Churches Union	320	50,000

School	Name of Activity	Venue	Number of Attending Students	Expenditure (\$)
Churches Union Logos Academy		Logos Academy		
77. The Jockey Club EduYoung College	Swiftling Program Design	The Jockey Club EduYoung College	124	49,950
78. The Yuen Yuen Institute MFBM Nei Ming Chan Lui Chung Tak Memorial College	Lego Mindstorms Robotics Course	The Yuen Yuen Institute MFBM Nei Ming Chan Lui Chung Tak Memorial College	46	49,800
79. TWGHs Lui Yun Choy Memorial College	3D STEAM Project	TWGHs Lui Yun Choy Memorial College	30	50,000
80. TWGHs Mr & Mrs Kwong Sik Kwan College	Intensive Course on Digital Art - 2D & 3D Anime Design Training Program and 3D Builder Digital Art Training Program	TWGHs Mr & Mrs Kwong Sik Kwan College	20-25	50,000
81. TWGHs S. C. Gaw Memorial College	Fly for a Beautiful Life – Train the Youth Trainer of Drone and Aerial Photography System	TWGHs S. C. Gaw Memorial College	60-90	50,000
82. TWGHs Wong Fut Nam College	Wong Fut Nam Creative IT STEM Activities Programme	TWGHs Wong Fut Nam College	40	50,000
83. United Christian College (Kowloon East)	STEAM Maker Training Program	United Christian College (Kowloon East)	23	50,000
84. Yan Chai Hospital Law Chan Chor Si College	Raspberry PI Smart Home Workshop	Yan Chai Hospital Law Chan Chor Si College	20	50,000
85. Yu Chun Keung Memorial College No. 2	Train the Trainers to be the IT and STEM Leaders (curriculum, activities and competitions)	Yu Chun Keung Memorial College No. 2	200	50,226

- End -

CONTROLLING OFFICER'S REPLY

ITB191

(Question Serial No. 6713)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (2) IT Infrastructure and Standards

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the increase in Wi-Fi.HK hotspots, please advise on the following:

- (1) On the additional Wi-Fi hotspots provided in 2016-17, please list out the providers (government/private organisations/others), types of venues, districts, free usage time, maximum numbers of connections and bandwidth;
- (2) The 10 venues with the highest and lowest average numbers of daily usage sessions and daily usage hours connected to Government Wi-Fi (GovWiFi) services and Wi-Fi.HK in 2016-17. What are the average numbers of daily users at these venues?
- (3) What is the number of government venues with the speed of Wi-Fi services enhanced in 2016-17? What is the plan for 2017-18?
- (4) On the expansion of the coverage of Wi-Fi.HK by doubling the number of hotspots to 34 000, please list out the venues with additional hotspots to be provided in 2017-18 by type of venues, district, location, free trial service time (minute) and expenditure.
- (5) What are the numbers and distribution of districts of the free Wi-Fi hotspots installed in youth service centres and study rooms, and the numbers of usage sessions and hours connected to these hotspots in 2016-17?
- (6) Will the public and the industry be consulted on the review and proposal on the future development direction of the GovWiFi Programme after 2017? If yes, what are the details as well as the manpower and expenditure required?

Asked by: Hon MOK Charles Peter (Member Question No. 122)

Reply:

The requested information is as follows:

(1) The number of newly added Wi-Fi hotspots under “Wi-Fi.HK” in 2016-17 broken down by provider, venue type, district, free time limit (per session) and maximum number of connections are tabulated as follows:

Provider	Number of New Hotspots
Government	501
Private Organisation	946
Other Public Organisations	576
Total:	2 023

Venue Type	Number of New Hotspots
Store/Shopping Centre	446
Entertainment & Leisure	406
Government Building & Office	361
Hospital & Clinic	280
University & Tertiary Institute	267
Sports, Cultural & Recreational Venue	98
Accommodation	63
Office of Other Pubic Organisations	39
Food & Beverage	26
Industrial/Commercial Building	24
Telephone Booth	6
Bank	4
Public Transportation	3
Total:	2 023

District	Number of New Hotspots
Hong Kong	
Central and Western District	26
Eastern District	45
Southern District	674
Wan Chai District	505
Kowloon	
Kowloon City District	73
Yau Tsim Mong District	437
Sham Shui Po District	79
Wong Tai Sin District	8
Kwun Tong District	30
New Territories	
Tai Po District	5
Yuen Long District	8
Tuen Mun District	8
North District	5

Sai Kung District	22
Sha Tin District	29
Kwai Tsing District	5
Tsuen Wan District	31
Islands District	33
Total:	2 023

Free Usage Time Limit (per session)	Maximum Number of Connections	Number of New Hotspots
No limit on free usage time and number of connections		966
2 hours or above	1	147
1 hour	2	35
	1	18
30 minutes to less than 1 hour	1	857
Total:		2 023

The bandwidth provided by participating organisations of “Wi-Fi.HK” shall be 3 Mbps or above. We do not have statistics on the bandwidth service provided by participating organisations at individual venues.

(2) In 2016-17 (up to end-February 2017), based on the average number of daily usage sessions (i.e. number of connections), the highest 10 and lowest 10 “Government Wi-Fi” (“GovWiFi”) venues, together with their average daily usage hours (i.e. connection duration) and average number of daily users, are tabulated below:

The 10 venues with the highest average number of daily usage sessions:

	Venue	Average number of daily usage sessions	Average daily usage hours	Average number of daily users
1	Hong Kong Central Library	2 870	3 236	1 596
2	Hong Kong-Macau Ferry Terminal (Inner pier passenger departure waiting hall)	1 478	800	1 310
3	Ping Shan Tin Shui Wai Public Library	1 001	1 311	587
4	China Ferry Terminal	952	590	861
5	Hong Kong Cultural Centre cum Tsim Sha Tsui Promenade	914	600	706
6	Sha Tin Public Library	806	727	490
7	Tiu Keng Leng Public Library	783	806	438
8	Tuen Mun Public Library	731	929	453
9	Tai Po Public Library	731	783	441
10	Victoria Park	725	455	538

The 10 venues with the lowest average number of daily usage sessions:

	Venue	Average number of daily usage sessions	Average daily usage hours	Average number of daily users
1	Green Hub	4.9	4.9	2.8
2	Islands District Office - Mui Wo Public Enquiry Service Centre	4.7	6.8	3.2
3	Lantau Link Visitors Centre	4.1	5.6	2.5
4	Oral Health Education Unit	4.0	3.8	2.3
5	Islands District Office - Tung Chung Public Enquiry Service Centre	3.6	4.8	2.0
6	Sha Tau Kok Community Hall	3.5	3.3	2.2
7	Clear Water Bay Visitor Centre	3.5	4.5	2.6
8	Sam Tung Uk Museum	3.3	3.1	2.0
9	Stanley Community Hall	2.8	1.9	2.2
10	Sai Ying Pun Dermatology and Chest Clinic Dispensary	2.0	1.3	1.6

The “Wi-Fi.HK” service is provided by different organisations. The usage of the services is internal information of these organisations and hence we do not have the related data.

(3) In 2016-17, we upgraded the bandwidth of the “GovWiFi” service at 63 government venues having regard to the usage at the venues. In 2017-18, we will continue to monitor the usage of “GovWiFi” to ensure that the quality of the “GovWiFi” service meets the required level and the service is cost-effective, and will upgrade the bandwidth at the venues when necessary.

(4) The estimated expenditure for the “Wi-Fi Connected City” programme in 2017-18 is about \$78.45 million. New venues include stores and shopping centres, tourist spots, banks, hospitals and clinics, study rooms and youth service centres, and government departments (including land boundary control points, promenades, museums, sitting-out areas, markets, cooked food markets, sports venues, cultural and recreational centres and public transport interchanges). Participating organisations of “Wi-Fi.HK” shall provide at least 30 minutes free Wi-Fi service daily. We anticipate that the number of hotspots will increase to 34 000 by 2019.

(5) Through the “Wi-Fi Connected City” programme, the Government will subsidise youth service centres and study rooms operated by non-governmental organisations to provide free Wi-Fi service. The service is expected to be launched progressively starting from mid-2017. Subsidised youth service centres and study rooms are distributed across 18 districts in Hong Kong. The Wi-Fi service will be available during the opening hours of individual centres without limitation on usage duration and number of sessions.

(6) The Office of the Government Chief Information Officer engaged a consultant firm to conduct a consultancy study on the future development direction of the “GovWiFi” service

in 2015-16 and solicited the views of the industry. The consultant completed the study in February 2016 and made recommendations including opening up venues by the Government for service providers to install and operate at their own cost Wi-Fi service with free usage time through a public-private collaboration model, so as to encourage more public and private organisations to join “Wi-Fi.HK” to ensure that the service is sustainable. With reference to the recommendations of the consultant and with the funding approval by the Legislative Council in May 2016, we are implementing the “Wi-Fi Connected City” programme to progressively expand the coverage and number of hotspots of “Wi-Fi.HK”. The Government will continue to actively implement the “Wi-Fi Connected City” programme to provide more hotspots to facilitate the use of the public. We will also monitor the quality of the Wi-Fi service and, when necessary, will consult stakeholders to ensure that the programme can achieve its objectives.

- End -

CONTROLLING OFFICER'S REPLY

ITB192

(Question Serial No. 6714)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (2) IT Infrastructure and Standards

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the support for students from low-income families on Internet learning at home and for other underprivileged groups, please advise on the following:

- (1) On the digital inclusion mobile apps, what are the user retention rates 7 and 30 days after download, and the weekly numbers of active users of the apps funded under the first and second rounds (of the funding scheme)? What are the names of apps, the organisations and the amounts of funding under the third round of the funding scheme? What are the modes of promotion and the expenditure earmarked for all funded apps in 2017-18?
- (2) On the ICT Outreach Programme for Elderly, what are the organisations funded, titles of the projects, amounts of funding, numbers of events and numbers of elders reached in 2016? What are the estimated numbers of events and numbers of elders reached in 2017-18? What are the details?
- (3) On the support for the websites and mobile apps of statutory and public organisations in conforming to the Level AA accessibility requirements of the World Wide Web Consortium, what is the percentage of organisations adopting web accessibility design at present? What is the increase rate over 2015-16?

Asked by: Hon MOK Charles Peter (Member Question No. 124)

Reply:

The requested information is as follows:

- (1) Under the Funding Scheme for Digital Inclusion Mobile Apps (the Scheme), the funded social service organisations are required to provide the Government with the number of downloads after the launch of the app for 2 years. Nevertheless, we do not require the funded organisations to provide the user retention rates 7 and 30 days after download and the numbers of active weekly users.

The names, organisations and amounts of funding of the mobile apps funded under the third round of the Scheme are as follows:

Name	Organisation	Amount of Funding (\$)
Early Literacy	SAHK	455,000
Smart and Fit DS Kids	Hong Kong Down Syndrome Association	385,000
Tap My Dish	Hong Kong Blind Union	482,000
Silence Sign Language Interpretation App	Silence Limited	379,000
AngeLINK	Hong Kong Young Women's Christian Association	451,000
Total:		2,152,000

In 2017-18, we will continue to organise promotion activities in conjunction with the funded organisations, including promotion through non-governmental organisations' network, communication media, social media and the Internet; displaying posters at public housing estates, government premises and social service organisations supporting the target groups; distributing leaflets, etc., to arouse public awareness and encourage persons in need to download and use these mobile apps. The expenditure for organising the above activities will be met by internal deployment and there are no breakdown figures.

- (2) The latest round of the ICT Outreach Programme for the Elderly (the Outreach Programme) was implemented from July 2015 to August 2016. Details are as follows:

Project Title / Funded Organisation	(1) 數碼樂聚・影・情真*/The Hong Kong Society for the Aged (2) 樂在耆「連」長者數碼網絡計劃*/Po Leung Kuk (3) 數碼共融外展計劃 2.0*/Evangelical Lutheran Church Social Service – Hong Kong
Amount of Funding	Around \$1.09 million
Number of Events	Around 2 500 visits and related activities
No. of Elderly Beneficiaries	2 071

* The project names are in Chinese only.

We will launch a new round of the Outreach Programme in the second half of 2017 with an implementation period of 12 months. Before launching the Outreach Programme, we will define performance targets for the funded organisations, including the number of events, number of elderly beneficiaries, number of residential care homes for the elderly and day care centres participating in the Outreach Programme, etc.

- (3) As at end-February 2017, statistics on the adoption of accessibility design among the websites and mobile apps of 79 statutory and public organisations are as follows:

Statutory and Public Organisation	Website		Mobile App	
	Number	Number of websites adopted accessibility design (Percentage)	Number	Number of mobile apps adopted accessibility design (Percentage)
As at end-February 2017	79	60 (76%)	61	14 (23%)
As at end-March 2016	79	51 (65%)	39	8 (21%)

- End -

CONTROLLING OFFICER'S REPLY

ITB193

(Question Serial No. 6715)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

What are the details, organisations, project titles (nature), targets, dates, expenditure and numbers of participants of the activities and training for promoting cloud computing among small and medium enterprises in 2016-17? What is the plan for 2017-18? (Please list out in a tabular form)

Asked by: Hon MOK Charles Peter (Member Question No. 126)

Reply:

The Office of the Government Chief Information Officer (OGCIO) implemented the SME Cloud Promotion Campaign between December 2014 and June 2015 to provide training and organise promotional activities. The Campaign aims at enhancing SMEs' awareness and adoption of cloud computing solutions, enabling them to better understand the benefits of cloud computing and how to choose cloud computing services for enhancing operational efficiency and competitiveness. The Campaign included the provision of more than 40 free training courses on cloud adoption for SMEs of different sectors, covering retail, catering, import and export trade, logistics and land transport, sales and marketing, and human resources management and accounting, benefiting over 3 800 SME practitioners. A competition on cloud computing adoption was also organised to grant the "Best SME Cloud Adopters" Awards and "Best SME Cloud Solutions" Awards.

Besides, OGCIO has set up a portal on cloud computing (InfoCloud) to provide SMEs with practical information, user guides and best practices on cloud computing to help SMEs understand the effectiveness of using cloud computing, how to select cloud services, as well as common issues which SMEs should be mindful of when adopting cloud services, such as security and switching between service providers.

According to the Cloud Readiness Index 2016 published by the Asia Cloud Computing Association in March 2016, Hong Kong is regarded as the top city in cloud readiness in the Asia-Pacific region. In addition, according to an industry survey in 2015, more than 80% of the local SME respondents has started to adopt cloud computing services, representing a notable increase (about 50%) as compared with the 2014 survey.

Given SMEs' increasing awareness of cloud computing, the work of promoting cloud computing to SMEs will be included in OGCIO's overall support and facilitation work for the industry in 2017-18. There is no separate breakdown of the expenditure.

- End -

CONTROLLING OFFICER'S REPLY**ITB194****(Question Serial No. 6716)**

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (1) Use of IT in Government

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the development and operation of shared infrastructure and the provision of information technology (IT) services by the (Office of the) Government Chief Information Officer for government bureaux and departments (B/Ds), will the Government inform this Committee of the following:

- (1) Please list out in tabular form the overview of IT services and resources in the offices of B/Ds at present:

B/D	Number of mobile devices (mobile phones) supporting the internal email system held by the office	Model and number of mobile devices (mobile phones) held by the office	Number of government officers sharing one mobile device (mobile phone)	Is Wi-Fi installed in the office for use by officers of all ranks?	If the installed Wi-Fi is not for use by officers of all ranks, what are the ranks of the officers who can use Wi-Fi?	If no Wi-Fi is installed in the office for use by officers of all ranks, are there any other spaces in the building where the office is located installed with Wi-Fi? If yes, where are the locations and who can use it?

- (2) Does the Office of the Government Chief Information Officer (OGCIO) have any plans to install Wi-Fi in all offices of B/Ds for staff use so that government officers can make good use of information and communications technology to assist in their daily work in order to achieve its policy objectives? If yes, what is the schedule of the plans as well as the manpower and resources involved? If not, what are the reasons?

Asked by: Hon MOK Charles Peter (Member Question No. 129)

Reply:

The required information is provided as follows:

(1)

B/D	Number of mobile devices (mobile phones) supporting the internal email system held by the office	Model and number of mobile devices (mobile phones) held by the office	Number of government officers sharing one mobile device (mobile phone)	Is Wi-Fi installed in the office for use by officers of all ranks?	If the installed Wi-Fi is not for use by officers of all ranks, what are the ranks of the officers who can use Wi-Fi?	If no Wi-Fi is installed in the office for use by officers of all ranks, are there any other spaces in the building where the office is located installed with Wi-Fi? If yes, where are the locations and who can use it?
OGCIO	175	Including different models of iPhone and Blackberry	No sharing	Yes	Not applicable	Not applicable

OGCIO does not have the relevant information of other B/Ds.

(2) B/Ds may consider if it is necessary to install Wi-Fi in the office for staff use according to the actual circumstances. They can purchase and install the facilities through the Standing Offer Agreements administered by OGCIO.

- End -

CONTROLLING OFFICER'S REPLY**ITB195****(Question Serial No. 6717)**

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the organisation of the Hong Kong Information and Communications Technology (HKICT) Awards, will the Government advise on the following:

- (1) The total expenditure and its breakdown, numbers of entries of each award, numbers of participants in the activities and numbers of local and international media coverage for the HKICT Awards organised in 2016;
- (2) Details on funding organisations to organise the HKICT Awards by the Government in 2016. Please list out in the table below the details of all awards funded by the Government, numbers of funding obtained by the organisations and total amounts of funding (in descending order):

Year	Title of Award	Name of Organiser	Amount of Funding (in descending order)	Percentage of the Funding against the Total Expenditure of the Activity

- (3) Since the eligibility of winners of some awards has been disputed, what are the plans to enhance the strictness of the assessment of eligibility for the awards in 2017-18?
- (4) Has the Government arranged for the trial use of winning entries of the awards by public organisations or government departments to support the adoption of local innovation and technology, and subsidised winners to go abroad for exchange in order to raise the local standards?

Asked by: Hon MOK Charles Peter (Member Question No. 130)

Reply:

The requested information is as follows:

(1) The total expenditure incurred by the Office of the Government Chief Information Officer for organising the HKICT Awards 2016 is \$6.4 million, including \$1.9 million of sponsorship to the Leading Organisers and \$4.5 million for publicity and promotion activities, award presentation ceremony, exhibition of winning entries, etc. The number of participants in the award presentation ceremony is 745. The HKICT Awards 2016 attracted a total of 179 local and international media reports. The numbers of entries of each award category are tabulated below:

Name of Award	Number of Entries
Best Business Solution Award	56
Best Digital Entertainment Award	74
Best FinTech Award	19
Best ICT Startup Award	62
Best Lifestyle Award	56
Best Mobile Apps Award	56
Best Smart Hong Kong Award	72
Best Student Invention Award	777
	1 172

(2) Details of the Government's sponsorship to the Leading Organisers of the HKICT Awards 2016 are as follows:

Title of Award	Name of Organiser	Amount of Funding (\$'000) (in descending order)	Percentage of Funding against the Total Expenditure of the Activity
Best Business Solution Award	Hong Kong Computer Society	242	41%
Best Digital Entertainment Award	Hong Kong Digital Entertainment Association	242	33%
Best FinTech Award	The Hong Kong Institute of Bankers	242	26%
Best Lifestyle Award	Hong Kong Information Technology Federation	242	48%
Best Mobile Apps Award	Hong Kong Wireless Technology Industry Association	242	55%
Best Smart Hong Kong Award	GS1 Hong Kong Limited	242	70%

Title of Award	Name of Organiser	Amount of Funding (\$'000) (in descending order)	Percentage of Funding against the Total Expenditure of the Activity
Best Student Invention Award	Hong Kong New Emerging Technology Education Association	242	55%
Best ICT Startup Award	Hong Kong Information Technology Joint Council	220	47%
	Total	1,914	

(3) The Steering Committee and the Standards Assurance Sub-Committee (SASC) of the Hong Kong ICT Awards have recommended measures to the judging criteria and related mechanism. The following measures have been put in place starting from the 2017 round of the Awards:

- (a) the applicant must disclose disputes arising in any place over the world over intellectual property right about the applicant's entry product or service for the Leading Organiser to consider the eligibility of the application;
- (b) products/prototypes put on crowdfunding platforms will not be accepted as meeting the eligibility requirement of launching the entries must be in the market or in operation;
- (c) after selecting all winning entries, the Leading Organisers must double-check all supporting documents for the entries to ensure their eligibility; and
- (d) SASC will arrange its representative to sit in the assessment meetings panel for the Best ICT Startup Award and report any anomalies identified.

(4) The Government has arranged various kinds of exhibitions for the awardees, allowing their winning entries to reach out to different users, including the public sector and government departments. The Government has also provided funding for the winners to participate in international and regional competitions such as the World Information Technology and Services Alliance (WITSA) Global ICT Excellence Awards and the Asia Pacific ICT Alliance (APICTA) Awards.

- End -

CONTROLLING OFFICER'S REPLY**ITB196****(Question Serial No. 6733)**

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the organisation of the "International IT Fest" and "Internet Economy Summit", will the Government advise on the following:

- (1) The total expenditure and its breakdown, numbers of participants in the events and numbers of local and international media coverage for the International IT Fest held in 2016;
- (2) Details on funding organisations to stage events by the Government for the International IT Fest held in 2016. Please list out in the table below the details of all events funded by the Government, numbers of funding obtained by the organisations and total amounts of funding (in tabular form):

Year	Title of Activity/Event	Date of Activity/Event	Name of Organiser	Amount of Funding (if it is in form of non-monetary sponsorship, please provide the details)	Percentage of the Funding against the Total Expenditure of the Activity

- (3) What are the total expenditure for organising the Internet Economy Summit 2016, number of participants, amount of sponsorship (if any), revenue and its distribution?
- (4) What are the estimated expenditure for organising the Internet Economy Summit 2017, sponsors, amount of sponsorship, revenue and its distribution?

Asked by: Hon MOK Charles Peter (Member Question No. 128)

Reply:

The requested information is as follows:

The expenditure incurred by the Office of the Government Chief Information Officer (OGCIO) for organising International IT Fest 2016 was mainly for promotion and publicity activities. The Leading Organisers were responsible for the planning and resources required for their individual events. A breakdown of the expenditure is as follows:

	Expenditure (\$'000)
Promotion and Publicity Activities	850
Website Maintenance	70
IT Exploration Tour for Secondary Students	180
Total Expenditure	1,100

The numbers of participants in the events of International IT Fest 2016 are as follows:

	Event	Number of Participants
1	Hong Kong ICT Awards 2016 Awards Presentation Ceremony cum International IT Fest 2016 Opening Ceremony	745
2	Cyberport Digital Sports Day	412
3	Social Media 2016 (Part I): 25th Int'l Education & Technology Conference	205
4	HK-Mainland Cyber Security Forum 2016	209
5	ICT Conference 2016	110
6	CoCoon Innovation for Lunch	19
7	Imagine Cup 2016 National Final	102
8	International ICT Expo 2016	30 600
9	Internet Economy Summit 2016	923
10	CoCoon Pitch Night Semi-Finals Spring	110
11	Hong Kong Electronics Symposium 2016 "Smart City – Cliché or Real Challenge?"	204
12	Revisiting Data Scientists – Work, Life and Future in HK	65
13	Silicon Dragon Hong Kong 2016	300
14	2016 Hong Kong E-Commerce Ecosystem Summit & 2nd Hong Kong E-Commerce Award Competition	600
15	7th Shenzhen-Hong Kong E-Commerce Development Forum	270
16	Chambers Forum 2016	378
17	CoCoon Market Meetup	50
18	Promising Technologies for Contemporary Development	35
19	Startup Weekend HK	178

	Event	Number of Participants
20	Agile Hong Kong 2016 Conference	150
21	Cyberport mYouth Mobile App Code Jam Competition 2016	42
22	HK Internet Finance Summit 2016	400
23	The IET/MATE Hong Kong Underwater Robot Challenge 2016	480
24	AppJamming Summit 2016 – App Design Competition	134
25	CalConnect XXXVI Hong Kong	75
26	IoT: Security & Privacy Challenges	35
27	Fintech: Disruptive or Complementary? Finding the Fintech Niche for HK	100
28	Forum on Mobile Technology and Cloud Development in Hong Kong	138
29	Internet of Things in Smart Sustainable Cities: “A New Era of Smarter Living”	138
30	Web Accessibility Awards Presentation Ceremony	350
31	Big Data Innovations from Hong Kong Academic and Research Institutes	70
32	Microsoft CityNext Forum	66
33	Best .hk Website Awards Presentation Ceremony	100
34	Digital Community Club Hong Kong Conference	80
35	Mobile App Development Forum on Privacy and Security	221
36	“Big Leap to Smarter City: Digital Signature Automation + Digital Certificate” Seminar & Exhibition	194
37	Joint-University Case Competition (on IoT Risks and Security)	61
38	E ² Day 2016 – Tech x Social	160
39	iCare Award Ceremony and Open Forum	129
40	Inter-School IT Elite Challenge 2016	592
41	K12 InnoSTEMer	126
42	Workshop in Making Free Hong Kong Fonts	21
43	IT Exploration Tours for Secondary Students	1 340
	Total Number of Participants	40 717

The numbers of local and international media reports on International IT Fest 2016 are tabulated below:

Media reports	Number
Local Media	85
Mainland Media	51
International Media	13
Total	149

(2) OGCIO did not provide any funding support to any organisations for organising the events under the International IT Fest 2016.

(3) A total of 923 participants attended the Internet Economy Summit 2016. The total expenditure was \$2.14 million, which was met by OGCIO and Cyberport. Ticketing revenue of the event was \$0.24 million and the total sponsorship amount was \$0.48 million. Both of them were expensed in full to offset the expenditure of the Summit.

(4) The duration of the Internet Economy Summit 2017 is extended from 1 day to 3 days. The estimated expenditure is \$7.66 million, which will be met by Cyberport, Leading Organisers of the thematic forums and OGCIO. Similar to last year, revenue from sponsorship and ticketing will be fully expensed to offset the expenditure of the Summit. We are still soliciting sponsorship at present. Full details of the sponsors and sponsorship amount are not available for the time being.

- End -

CONTROLLING OFFICER'S REPLY**ITB197****(Question Serial No. 7151)**

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (1) Use of IT in Government

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the use of information technology (IT) in the Government, please advise on the following:

- (1) The estimated expenditure on procuring business software licences and related services by government bureaux and departments, and the percentage of such expenditure against their IT expenditure:

	2015-16	2016-17
Expenditure on procuring business software licences and related services		
Percentage of the expenditure against IT expenditure for the year		
Increase		

- (2) The number of departments that have adopted open source software to implement various kinds of work in the Government:

	2015-16	2016-17
Server software		
Desktop software		
Office software		
Development of departmental portals		
Development of government mobile applications		

Asked by: Hon MOK Charles Peter (Member Question No. 109)

Reply:

The required information is provided as follows:

1. The expenditure on procuring business software licences and related services by government bureaux and departments (B/Ds) for the implementation of computer projects under the Capital Works Reserve Fund Head 710 – Computerisation in 2015-16 and 2016-17, and the percentage of such expenditure against IT expenditure of the respective year is as follows:

	2015-16	2016-17 (Estimate)
Expenditure on procuring business software licences and related services	\$216 million	\$259 million (an increase of \$43 million or 20% over previous year)
Percentage of the expenditure against IT expenditure for the year	14.2%	13.6%

2. The number of B/Ds that have adopted open source software to implement various kinds of work in the Government is as follows:

	2015-16	2016-17
Server software / desktop software	70	75
Office software	27	33
Departmental portals	15	27
Government mobile applications	39	41

- End -

CONTROLLING OFFICER'S REPLY**ITB198****(Question Serial No. 2197)**

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (1) Use of IT in Government

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

What are the numbers of orders and value of government procurement under information technology category in the past year? How many of these orders were undertaken by local small and medium enterprises (SMEs) and what was the value of these orders? Following the establishment of the Innovation and Technology Bureau, what new measures does the Government take to increase the chances of local SMEs' technology deliverables being adopted by the Government? What are the financial resources and manpower involved?

Asked by: Hon QUAT Elizabeth (Member Question No. 43)

Reply:

In 2016-17 (as of end February), the number of procurement orders issued by government bureaux and departments (B/Ds) on information technology (IT) products and services through the standing offer agreements administered by the Office of the Government Chief Information Officer (OGCIO) amounted to 6 106 at a total value of \$710 million, and 256 of them at a total value of \$57 million were undertaken by small and medium enterprises (SMEs). Of these 6 106 orders, the number of orders on IT services procured through the Standing Offer Agreement for Quality Professional Services 3 amounted to 331 at a total value of \$281 million, and 80 of them at a total value of \$37 million were undertaken by SMEs.

The Government has implemented a number of measures to facilitate local SMEs to bid for government IT projects, e.g. providing free electronic procurement services to improve tenderers' efficiency and reduce their efforts in preparing tender proposals; and launching online platforms to facilitate suppliers to introduce their scope of business and products to B/Ds, etc.

To further encourage more local SMEs to bid for government IT projects, OGCIO has introduced a number of enhancements in the new round of tendering under the Standing Offer Agreement for Quality Professional Services, including raising the contract value limit; increasing the number of contractors under the agreement; lowering the essential

requirements for tendering in some service categories; putting more emphasis on the technical aspect in assessment, etc. The Government will continue to examine and implement practical measures to facilitate local suppliers to bid for government IT projects. The related work is absorbed by existing resources and manpower with no separate expenditure breakdown.

- End -

CONTROLLING OFFICER'S REPLY

ITB199

(Question Serial No. 2198)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Please list out the financial resources and manpower involved for the Government's setting up and maintenance of the free public Wi-Fi network, as well as those used by the Government during its collaboration with private sectors for offering the Wi-Fi network completely free or free for a certain period of time in public places.

Asked by: Hon QUAT Elizabeth (Member Question No. 44)

Reply:

The Finance Committee of the Legislative Council approved a total funding commitment of \$285.6 million in 2007 and 2011 to provide "Government Wi-Fi" ("GovWiFi") service for 10 years up to 2017. As at February 2017, the total expenditure of "GovWiFi" was about \$265 million. The manpower requirement was met by internal deployment within the Government.

Apart from operating the "GovWiFi" service, the Office of the Government Chief Information Officer collaborated with the industry to launch the common Wi-Fi brand "Wi-Fi.HK" in 2014 for promoting Wi-Fi service that is free or with free usage time provided by public and private organisations as facilitation to the public and visitors. Since the launch of the brand in 2014, the total expenditure was about \$3.65 million. The manpower requirement was met by internal deployment within the Government. The Government is mainly responsible for work relating to collaboration and coordination with the stakeholders, establishment and promotion of the "Wi-Fi.HK" brand, and development and maintenance of related website and mobile application. Installation and operating expenses of the Wi-Fi service are borne by participating organisations. These do not involve any additional expenditure by the Government.

In May 2016, the Finance Committee of the Legislative Council approved a funding commitment of \$500 million for implementing the "Wi-Fi Connected City" programme to progressively expand the coverage of the free "Wi-Fi.HK" service.

- End -

CONTROLLING OFFICER'S REPLY

ITB200

(Question Serial No. 2200)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (1) Use of IT in Government

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

In the past year, what were the training programmes and courses organised as well as measures taken internally by the Government to enhance information and communications technology awareness among its staff? What are the financial resources and manpower involved? How is the effectiveness evaluated?

Asked by: Hon QUAT Elizabeth (Member Question No. 45)

Reply:

To enhance the knowledge of its staff about information and communications technology (ICT), the Government has formulated a training strategy to provide systematic training for about 1 500 civil service information technology (IT) staff.

Based on the job requirements and professional development needs of staff, we develop annual training plan and provide relevant training to staff, enabling them to obtain up-to-date professional knowledge and enhance competency to meet job requirements and continuing professional development needs.

We provide training through various channels, including face-to-face training, seminars, e-learning and course fee refund. The training covers a wide range of topics, including big data, cloud computing, information security, Internet of Things, smart city, information management, information system design and implementation, web accessibility, and IT infrastructure and standards.

In 2016-17, training related to ICT involves an expenditure of about \$4.77 million covering about 3 400 trainee-days. About 10 staff members are involved in the planning and coordination of training matters. The effectiveness of training is generally positive, with about 96% of the trainees rated the programmes at satisfactory or above levels.

- End -

CONTROLLING OFFICER'S REPLY

ITB201

(Question Serial No. 2201)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (1) Use of IT in Government

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Please provide details in tabular form on the mobile applications launched by government departments and public organisations in the past year; the main functions, development costs, maintenance costs of each application; the organisations that developed and administered the applications; as well as the standards of accessibility that the applications achieved.

Asked by: Hon QUAT Elizabeth (Member Question No. 46)

Reply:

Information of the mobile applications (apps) launched by government departments and public organisations in 2016-17 is set out at Annex.

Information of the mobile apps launched by government departments and public organisations in 2016-17

No.	Government Bureau/ Department/ Public Organisation	Name	Main Functions	(Approximate) Development Cost	(Approximate) Maintenance Cost	Mode of Development (by internal development or contractors engaged by tender)	Mode of Administration (by internal maintenance or contractors engaged by tender)	Meet the “Baseline Accessibility Criteria” <small>Note</small>
1.	Buildings Department	Quick Guide for Mandatory Building Inspection Scheme/ Mandatory Window Inspection Scheme	To provide the public with a convenient way to understand Mandatory Building Inspection Scheme/Mandatory Window Inspection Scheme via pictures, flowcharts, FAQ, etc.	\$299,000	\$30,000	Developed by contractors engaged by tender	Internal maintenance	Yes
2.	Census and Statistics Department	Mobile e-Questionnaire Application	For the public to provide survey data for the 2016 Population By-Census.	Included in the development cost of the e-Data Collection sub-systems for the 2016 Population By-Census.	Nil (The app was only used during the By-Census period)	Developed by contractors engaged by tender	Internal maintenance	No
3.	Companies Registry	CR eFiling	The “CR eFiling” is a free mobile application developed by the Companies Registry to facilitate the registered users of e-Registry to submit commonly filed specified forms using their mobile devices anytime and anywhere.	\$297,000	Under warranty	Developed by contractors engaged by tender	Maintained by contractors	No
4.	Development Bureau	My Kowloon East (MyKE)	A comprehensive mobile app for Kowloon East. Using Information and Communications Technology in conjunction with the information in Kowloon East to promote the Smart City initiative and the concept of	Developed and maintained internally. No additional expenditure was involved.	Developed by deploying internal resources. No additional expenditure was involved.	Internal development	Internal maintenance	Yes

No.	Government Bureau/ Department/ Public Organisation	Name	Main Functions	(Approximate) Development Cost	(Approximate) Maintenance Cost	Mode of Development (by internal development or contractors engaged by tender)	Mode of Administration (by internal maintenance or contractors engaged by tender)	Meet the “Baseline Accessibility Criteria” <small>Note</small>
			“Walkable Kowloon East”.					
5.	Education Bureau	Profile of Kindergartens or Kindergarten-cum-Child Care Centres 2016	To provide relevant information of kindergartens across the territory and enhance the transparency of the kindergartens to facilitate parents to make informed choices for their children.	Included in the cost of the whole project on the KG Profile. As it is not a stand-alone project, no separate breakdown of the expenditure is available. Total cost of the project on KG Profile: \$562,000	Included in the cost of the whole project on KG Profile. As it is not a stand-alone project, no separate breakdown of the expenditure is available.	Developed by contractors engaged by tender	Internal maintenance	Yes
6.	Environmental Protection Department	Hong Kong T ▪ PARK	The app engages visitors to make the most of their visits by featuring T ▪ PARK’s attractions, set reminders, scan QR codes to unlock extra content, take pictures and learn more about the fun facts of the facility.	\$713,000 (Including system maintenance cost for the first year)	\$40,000	Developed by contractors engaged by tender	Maintained by contractors	Yes
7.	Fire Services Department	Catch time, save life	Through the series of games in “Catch time, save life”, players can perform the duties of a Console Operator, learn about the functions of the Mobilizing and Communications Group and know the tips when making emergency calls.	\$105,000	\$96,000 (including 4 mobile apps)	Developed by contractors engaged by tender	Internal maintenance	No

No.	Government Bureau/ Department/ Public Organisation	Name	Main Functions	(Approximate) Development Cost	(Approximate) Maintenance Cost	Mode of Development (by internal development or contractors engaged by tender)	Mode of Administration (by internal maintenance or contractors engaged by tender)	Meet the “Baseline Accessibility Criteria” <small>Note</small>
8.	Hongkong Post	ShopThruPost	To provide an online shopping channel with reliable delivery service by Hongkong Post so that customers can enjoy the convenience of shopping at home. ShopThruPost is an online shopping mall administered by Hongkong Post for customers to find and purchase products supplied by different merchants.	\$310,000	\$31,000	Developed by contractors engaged by tender	Internal maintenance	No
9.	Leisure and Cultural Services Department	Stories of the Qing Emperors’ Grand Weddings	Leveraging the technology of “Indoor Positioning System”, the exhibition has become interactive and educational. The contents of selected exhibits with dramatic elements were narrated by the Hong Kong Repertory Theatre in the form of lively radio dramas.	\$183,000 (including the maintenance cost during the exhibition period)	Nil	Developed by contractors engaged by tender	Internal maintenance	Yes
10.	Tourism Commission	HK Food Truck	To help users track food trucks’ locations, menus, schedules and the information of tourist attractions.	\$130,000	\$60,000 (For 2 years)	Developed by contractors engaged by tender	Maintained by contractors	Yes
11.	Transport Department	eTraffic News	“eTraffic News” provides the latest news of traffic incidents and service disruption of public transport services with concise headlines, enabling users to grasp the brief details of the incidents at a glance. Customised notifications for designated categories and muting periods are also available. Moreover, the app lists out the major traffic notices issued by the Transport	\$210,000	\$18,000	Developed by contractors engaged by tender	Maintained by contractors	Yes

No.	Government Bureau/ Department/ Public Organisation	Name	Main Functions	(Approximate) Development Cost	(Approximate) Maintenance Cost	Mode of Development (by internal development or contractors engaged by tender)	Mode of Administration (by internal maintenance or contractors engaged by tender)	Meet the “Baseline Accessibility Criteria” <small>Note</small>
			<p>Department, and will issue alerts to users on the effective dates for advance journey planning.</p> <p>Features include:</p> <ol style="list-style-type: none"> 1. Classification according to the incident nature, with concise headlines for easy understanding 2. Options for users to receive alerts according to incident categories 3. Muting period available 4. Options for users to forward the contents to advise relatives/friends of the latest traffic conditions 5. Provision of major traffic notices of the Transport Department, including special traffic arrangements and major road works, with alerts sent on the effective dates 6. Scrolling text bar to draw attention to important messages 					
12.	Construction Industry Council	Construction Industry Sports and Volunteering Programme (CISVP)	This mobile app provides an online platform for membership application as well as joining the Volunteer Services and Sports Programmes organised by the CISVP.	\$364,200	Under warranty	Developed by contractors engaged by tender	Internal maintenance	Yes
13.	The Hong Kong Academy for Gifted Education	The HKAGE	To provide users with a mobile friendly quick access to our main website’s programme information and application forms.	\$156,000	Nil	Developed by contractors engaged by tender	Not applicable	No

No.	Government Bureau/ Department/ Public Organisation	Name	Main Functions	(Approximate) Development Cost	(Approximate) Maintenance Cost	Mode of Development (by internal development or contractors engaged by tender)	Mode of Administration (by internal maintenance or contractors engaged by tender)	Meet the “Baseline Accessibility Criteria” <small>Note</small>
14.	Hong Kong Arts Development Council	Human Vibrations - The 5th Large-Scale Public Media Art Exhibition	To provide information regarding the exhibiting artists, artworks and education programmes of the “5th Large-Scale Public Media Art Exhibition: Human Vibrations”.	\$98,200	Nil	Developed by contractors engaged by tender	Internal maintenance	No
15.	Hong Kong Science and Technology Parks Corporation	Science Park VR Tour	Virtual Reality Games for Roadshows of HKSTPC and InnoCarnival.	\$35,000	Nil	Developed by contractors engaged by tender	Internal maintenance	No
16.	Hong Kong Science and Technology Parks Corporation	InnoCam	With the application of Augmented Reality (AR) technology, users can take photo via scanning through the AR markers. The AR markers could be found in Science Park or during the events organised by HKSTPC.	\$5,000	Nil	The incubation company was invited as an exhibitor of HKSTP’s booth in InnoCarnival. The app was developed as their exhibit.	Internal maintenance	No
17.	Hospital Authority	造口護理通 (Chinese Name only)	To provide information on stoma care, including “know stoma”, “stoma care”, “daily life” and “companion”. Users can also enter personal stoma information and related information. In addition, the users can set up reminders for changing bag and cleaning up excrement. Push notifications will be issued by the app according to the settings.	\$100,000	Maintained internally. No additional expenditure was involved.	Internal development	Internal maintenance	Yes

Note: The World Wide Web Consortium that implements web accessibility standards has yet to publish an official set of accessibility standards that are fully applicable to mobile apps. Nevertheless, the Office of the Government Chief Information Officer has issued the “Mobile Application Accessibility Handbook” and formulated a set of “Baseline Accessibility Criteria” applicable to mobile apps for the reference of government departments and public organisations.

- End -

CONTROLLING OFFICER'S REPLY

ITB202

(Question Serial No. 2202)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (2) IT Infrastructure and Standards

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the digital framework and standards for smart city development, what are the Government's policies and measures as well as the progress? What are the financial resources and manpower involved?

Asked by: Hon QUAT Elizabeth (Member Question No. 48)

Reply:

The Office of the Government Chief Information Officer (OGCIO) has engaged a consultant to conduct a study covering digital infrastructure technologies and standards for formulating a blueprint for smart city development in Hong Kong. The study is expected to be completed in mid-2017.

The expenditure for the consultancy study is about \$5 million. OGCIO deploys existing manpower to handle the work related to the consultancy study.

- End -

CONTROLLING OFFICER'S REPLY

ITB203

(Question Serial No. 2203)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (2) IT Infrastructure and Standards

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Please provide details on the Government's existing policies, measures, work units and facilities for safeguarding the information system security of the Government and the community; the amount of financial resources involved; and the respective numbers of cyber attacks or hacker intrusion on the personal computers of government departments, public organisations, industrial and commercial organisations, and members of the public in the past 3 years.

Asked by: Hon QUAT Elizabeth (Member Question No. 51)

Reply:

The Government attaches great importance to information and cyber security. The Office of the Government Chief Information Officer (OGCIO) has formulated a set of comprehensive "Government IT Security Policy and Guidelines" on information security matters in collaboration with the Security Bureau (SB). All government bureaux and departments (B/Ds) must follow them strictly.

In the Government, SB, OGCIO, the Hong Kong Police Force and information security staff of B/Ds are among those responsible for the work related to information security. B/Ds must implement suitable and professional security measures to ensure the security of government information systems, including the installation of firewalls, anti-virus solutions, intrusion detection and prevention systems, and security facilities to monitor, detect and block cyber attacks. Information security is a mandatory system requirement generally included in the development and maintenance requirements of the relevant government information systems. We do not have a separate breakdown for the expenditure.

In the community, OGCIO established the Government Computer Emergency Response Team Hong Kong (GovCERT.HK). Together with the Hong Kong Computer Emergency Response Team Coordination Centre (HKCERT) under the Hong Kong Productivity Council (HKPC), we maintain close contacts with industry associations and closely monitor the overall situation of cyber security in Hong Kong. We also regularly organise related

promotional and educational activities to raise public awareness and knowledge of information security. GovCERT.HK is responsible for coordinating the handling of information and cyber security incidents within the Government in order to support our work on information and cyber security. HKCERT provides services related to computer security incidents and information security solutions to local businesses and members of the public for them to maintain the security of their information systems. In 2017-18, OGCIO will provide funding support of about \$10 million to HKPC in relation to HKCERT.

Internet-connected computers and networks are susceptible to cyber attacks. When government networks and websites come under cyber attacks, their security systems and supporting staff will immediately take responsive actions to block the attacks. In the past 3 years (up to February 2017), OGCIO received a total of 38 information security incident reports related to cyber attacks on government departments. For information security incidents involving public organisations, industrial and commercial organisations, and personal computers of the general public, HKCERT received 3 443, 4 928 and 6 058 reports in 2014, 2015 and 2016 respectively.

- End -

CONTROLLING OFFICER'S REPLY**ITB204****(Question Serial No. 1946)**

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Please list out the numbers and locations of Wi-Fi hotspots that the Government provides across the territory, and the expenditure involved for each of the 18 districts.

Asked by: Hon TIEN Puk-sun, Michael (Member Question No. 59)

Reply:

As at February 2017, the number and distribution of hotspots by location under the common Wi-Fi brand "Wi-Fi.HK" of the Government were as follows:

District	Number of Hotspots
Hong Kong	
Central and Western District	3 279
Eastern District	490
Southern District	962
Wan Chai District	1 030
Kowloon	
Kowloon City District	3 411
Yau Tsim Mong District	1 173
Sham Shui Po District	476
Wong Tai Sin District	187
Kwun Tong District	480
New Territories	
Tai Po District	219
Yuen Long District	325
Tuen Mun District	1 292
North District	194
Sai Kung District	926
Sha Tin District	3 417
Kwai Tsing District	335

District	Number of Hotspots
Tsuen Wan District	336
Islands District	519
Total:	19 051

The expenditure involved was about \$269 million, which was used mainly for the implementation and operation of the “GovWiFi” service it was launched in 2008, and the coordination and promotion work for establishing and promoting the “Wi-Fi.HK” brand.

- End -

CONTROLLING OFFICER'S REPLY

ITB205

(Question Serial No. 4484)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the development of big data policy, will the Government inform this Committee of the following:

- (a) What are the details and expenditure for the adoption of big data analytics technologies in various government bureaux and departments?
- (b) Is there any specific policy on the adoption of big data to facilitate local public and private organisations to open up their data so that the market can come up with more innovation and technology projects benefiting the general public?
- (c) Is there any plan to study the policy on data adoption of other countries or regions?

Asked by: Hon TIEN Puk-sun, Michael (Member Question No. 13)

Reply:

The required information is provided as follows:

- (a) The Office of the Government Chief Information Officer (OGCIO) together with various government bureaux and departments (B/Ds) have been exploring the application of big data analytics within the Government to enhance the operational efficiency and improve the quality of public services. Some examples of the application include: the Efficiency Unit, by employing big data technology, provides B/Ds with insights obtained from complaint and enquiry data of 1823 hotline and helps them improve public service delivery; the Marine Department, by analysing vessel traffic data, projects the time and location of vessels when they pass through a watercourse for the control and management of sea transport as well as real-time vessel regulation; the Hong Kong Observatory, by analysing meteorological data, identifies the weather systems and mechanisms that have caused the prevailing weather conditions and predicts the possible changes of these systems in future for the

formulation of weather forecast or issuance of appropriate weather warnings, etc. The related work is being carried out by the existing manpower of OGCIO. No additional resources are involved. OGCIO does not have the information on the estimated expenditure of other B/Ds in relation to the application of big data analytics.

(b) and (c)

Public and private organisations can open up their data for free use by the public through the “data.gov.hk” portal. In addition to the public sector information released by government departments, the “data.gov.hk” portal also contains open data collected and compiled by public and private organisations. We will continue to promote the development and application of big data in the industry through various organisations. For example, the Data Studio of the Hong Kong Science and Technology Parks Corporation has assisted the academia and the industry in using big data to develop different technology products.

Furthermore, OGCIO has commenced a consultancy study on the development of a smart city blueprint for Hong Kong. The consultant will also study feasible options, including making reference to the data usage policy of other countries and cities, to attract and encourage public and private organisations to open up more data for promoting smart city development.

- End -

CONTROLLING OFFICER'S REPLY

ITB206

(Question Serial No. 1500)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding matters on the Wi-Fi.HK, will the Government inform this Committee of the following: a) What are the implementation details in 2016-17? What is the expenditure involved? b) Has the Government consulted users on the service after programme implementation? If yes, what are the details? If not, what are the reasons? c) What is the detailed work plan in relation to the above matter in 2017-18? What is the expenditure involved?

Asked by: Hon TO Kun-sun, James (Member Question No. 49)

Reply:

The required information is provided as follows:

- a) In May 2016, the Finance Committee of the Legislative Council approved a funding commitment of \$500 million for implementing the “Wi-Fi Connected City” programme to progressively expand the coverage of free “Wi-Fi.HK” service. With the active promotion by the Government, the “Wi-Fi.HK” scheme has received support from various public and private organisations. In 2016-17 (as at end February), the number of hotspots increased by about 2 000, bringing the number of hotspots providing free Wi-Fi service to about 19 000. The expenditure involved was about \$18.95 million.
- b) In mid-2016, we solicited the public on the “Wi-Fi.HK” service through a survey conducted by a private market research firm commissioned by the Census and Statistics Department. The findings are expected to be released in mid-2017.
- c) Apart from continuing with the provision of Wi-Fi service at government venues, we will proactively encourage private organisations to participate in “Wi-Fi.HK”. Through the public-private collaboration model, Wi-Fi service will be provided at more non-government venues and suitable government venues. We will also subsidise youth service centres and study rooms operated by non-profit-making

organisations to provide free Wi-Fi service.

Currently, we have selected about 180 government venues across 18 districts in Hong Kong for implementing a pilot project under the public-private collaboration model to provide Wi-Fi service with free usage time for the public. These venues include land boundary control points, footbridges, parks and markets. The service will be launched progressively starting from the second quarter of 2017. Based on the results of the pilot project, we will draw up the long-term collaboration model and the implementation details for the next phase. We expect to fully roll out the public-private collaboration project in the fourth quarter of 2017. The estimated expenditure of the “Wi-Fi Connected City” programme in 2017-18 is about \$78.45 million.

- End -

CONTROLLING OFFICER'S REPLY

ITB207

(Question Serial No. 1501)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (1) Use of IT in Government

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

What are the measures implemented by the Government to strengthen the enforcement of information technology security code of practice, policy and guidelines in 2016-17? What are the details and expenditure involved? What are the related work and the expenditure involved in 2017-18?

Asked by: Hon TO Kun-sun, James (Member Question No. 52)

Reply:

Regarding information security within the Government, the Office of the Government Chief Information Officer completed in 2016 a comprehensive review on the "Government IT Security Policy and Guidelines" with reference to the ISO/IEC 27001:2013 international standards and other industry best practices. Government bureaux and departments (B/Ds) are required to strengthen the confidentiality requirements for storage of sensitive information, enhance departmental management capability for information security incident response, and continuously improve information security technology and skills for detection of emerging cyber attacks, so as to address different information security threats and cyber attacks. The actual expenditure for the whole review is \$2.4 million.

In 2017-18, we plan to conduct compliance audits of information security regulations, policy and guidelines for about 30 B/Ds to assess their compliance and promote continuous improvement of information and cyber security management as well as contingency measures to cope with emerging security threats. We plan to complete the compliance audits for all B/Ds by phases in 3 years. The estimated expenditure for the project is about \$9 million which will be funded by the Capital Works Reserve Fund Head 710.

- End -

CONTROLLING OFFICER'S REPLY

ITB208

(Question Serial No. 1729)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (1) Use of IT in Government

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding Government Wi-Fi, what is the existing coverage rate of the facilities at government premises? What mainly are the government premises without Wi-Fi coverage? When will service coverage be expected to reach 100%?

Asked by: Hon TO Kun-sun, James (Member Question No. 47)

Reply:

Launched in 2008, the “Government Wi-Fi” (“GovWiFi”) programme, provides free Wi-Fi service mainly at government venues with high patronage. As at end-February 2017, over 3 200 Wi-Fi hotspots had been installed at 617 government venues across the 18 districts of Hong Kong under the “GovWiFi” programme for free use by the public. Venues with full coverage include all public libraries, public enquiry service centres of District Offices, law court buildings, job centres and community halls/centres. Other venues with relatively high coverage include sports venues (about 70%), cultural and recreational centres (about 65%) and cooked food markets/centres (about 60%). In considering addition of new “GovWiFi” venues, we will take into account patronage and demand and hence will not cover all government venues. We will monitor the utilisation of “GovWiFi” service and make adjustments when necessary to better meet public demands and ensure cost-effectiveness.

Other than the “GovWiFi” service model, the Government launched the “Wi-Fi Connected City” programme in May 2016 and, through public-private collaboration, opens up government venues for service providers to install and operate, at their own cost, Wi-Fi service with free usage time. This allows the provision of Wi-Fi service at more new government venues such as sitting-out areas, markets and public transport interchanges.

- End -

CONTROLLING OFFICER'S REPLY

ITB209

(Question Serial No. 1734)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (1) Use of IT in Government

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding the mobile applications (apps) of government departments, will the Government inform this Committee of: a) the mobile apps developed as well as the government bureaux/departments involved; b) the download rates of the apps concerned; c) what apps are expected to be available for public download in 2017-18, and what are the development costs involved?

Asked by: Hon TO Kun-sun, James (Member Question No. 48)

Reply:

The required information is provided as follows:

- (a) and (b) The mobile apps developed by government bureaux and departments (B/Ds) and their numbers of downloads are set out at Annex A.
- (c) The mobile apps planned to be launched by B/Ds in 2017-18 and their development costs are set out at Annex B.

Information of the mobile apps developed by B/Ds and their numbers of downloads

No.	B/D /Public Organisation	App Name	Number of Downloads (As at 2016)
1.	Agriculture, Fisheries and Conservation Department	Country Parks Tree Walks	42 300
2.	Agriculture, Fisheries and Conservation Department	Enjoy Hiking	338 000
3.	Agriculture, Fisheries and Conservation Department	Red Tide Information Network	1 600
4.	Agriculture, Fisheries and Conservation Department	Reef Check Hong Kong	7 500
5.	Architectural Services Department	Architour	3 700
6.	Buildings Department	Quick Guide for Mandatory Building Inspection Scheme/Mandatory Window Inspection Scheme	3 300
7.	Buildings Department	Quick Guide for Minor Works	16 900
8.	Customs and Excise Department	HK Car First Registration Tax	7 700
9.	Civil Engineering and Development Department	Greener Slopes Better Cityscape	200
10.	Civil Engineering and Development Department	HK Geology	5 400
11.	Civil Engineering and Development Department	HK Landslides	1 100
12.	Civil Engineering and Development Department	HK Slope Safety	800
13.	Civil Service Bureau	Government Vacancies	238 000
14.	Constitutional and Mainland Affairs Bureau	A Basic Law Quiz A Day	22 000
15.	Correctional Services Department	Hong Kong Correctional Services Department Mobile App	9 400
16.	Department of Health (Central Health Education Unit)	CookSmart: EatSmart Recipes	28 900

No.	B/D /Public Organisation	App Name	Number of Downloads (As at 2016)
17.	Department of Health (Central Health Education Unit)	EatSmart Restaurant	17 800
18.	Department of Health (Central Health Education Unit)	Snack Nutritional Classification Wizard	10 200
19.	Department of Health (Family Health Service)	Info for Nursing Mum	6 100
20.	Department of Health (Infection Control Branch)	HKeIC	820
21.	Department of Health (Infection Control Branch)	IMPACT (English version only)	10 700
22.	Department of Health (Primary Care Office)	Framework@PC (English version only)	1 800
23.	Department of Health (Primary Care Office)	Primary Care Directory	21 300
24.	Department of Health (Special Preventive Programme)	1069 試戴樂 (Chinese version only)	26 900
25.	Department of Health (Student Health Service)	Student Body Weight for Height Check	18 600
26.	Department of Health (Tobacco Control Office)	Quit Smoking App	44 400
27.	Development Bureau	Tree & Landscape Map	5 800
28.	Development Bureau (In collaboration with Construction Industry Council)	Construction Safety App	11 100
29.	Development Bureau (In collaboration with Construction Industry Council)	Working at Height Training!	2 800
30.	Drainage Services Department	DSD Connect	2 500
31.	Education Bureau (Applied Learning Section)	ApL	10 000

No.	B/D /Public Organisation	App Name	Number of Downloads (As at 2016)
32.	Education Bureau (Curriculum Resources Section)	ETV App	44 900
33.	Education Bureau (Further Education Division)	Mobile App for Concourse and E-APP	10 400
34.	Education Bureau (Information Technology in Education Section)	Eye Care for Hong Kong Students	800
35.	Education Bureau (Kindergarten Administration Section)	Profile of Kindergartens or Kindergarten-cum-child care centres 2016	2 900
36.	Education Bureau (Language Fund)	Workplace English Tic-Tac-Toe	14 800
37.	Education Bureau (Life-wide Learning and Library Section)	e-Navigator	142 000
38.	Education Bureau (Native-speaking English Teacher (NET) Section)	Reading Town 1	40 900
39.	Education Bureau (Native-speaking English Teacher (NET) Section)	Reading Town 2	17 700
40.	Education Bureau (Native-speaking English Teacher (NET) Section)	Reading Town 3	13 600
41.	Education Bureau (Personal, Social and Humanities Education Section)	E-book of Understanding the Law, Access to Justice – Basic Law Learning Package (Junior Secondary)	3 700
42.	Education Bureau (Speech and Hearing Services Section)	Hearing-Impaired Students' Lexicon Learning	2 300
43.	Efficiency Unit	1823 Online mobile app	5 900
44.	Efficiency Unit	SIE Fund	4 800
45.	Efficiency Unit	Tell me@1823 mobile app	86 000
46.	Efficiency Unit	Youth.gov.hk	12 200
47.	Environmental Protection Department	Don't Fly-Tip	590

No.	B/D /Public Organisation	App Name	Number of Downloads (As at 2016)
48.	Environmental Protection Department	Hong Kong Air Quality Health Index	58 800
49.	Environmental Protection Department	Hong Kong T • PARK	4 600
50.	Environmental Protection Department	Waste Less	16 000
51.	Financial Secretary's Office (Economic Analysis and Business Facilitation Unit)	Business Consultation e-Platform mobile application	3 600
52.	Fire Services Department	Catch time, save life	5 500
53.	Fire Services Department	Hong Kong Fire Services Mobile Application	26 100
54.	Fire Services Department	Live safe, be watchful	26 200
55.	Fire Services Department	Stay Calm & Collected	33 800
56.	Food and Environmental Hygiene Department	Food Safety	9 600
57.	Food and Environmental Hygiene Department	Nutrition Calculator	81 800
58.	Home Affairs Bureau	"M" Mark Events App	1 300
59.	Home Affairs Bureau	18 Handy Tips for Family Education	3 300
60.	Home Affairs Bureau	Family Education Package for Families with New-born Babies	1 100
61.	Home Affairs Department	Tuen Mun BM	500
62.	Home Affairs Department	Eco Shopping & Cultural Tour in Tuen Mun	3 200
63.	Home Affairs Department	Heritage in Kam Tin	4 500
64.	Home Affairs Department	Pilot Scheme on Enhancement of District Administration Through District Management Committees in Yuen Long	1 200
65.	Home Affairs Department	"Tai Po Fun" – An app on Tourist Information on Tai Po	2 800
66.	Home Affairs Department	Hong Kong Licensed Hotels and Guesthouses	5 600
67.	Hong Kong Observatory	iCWeatherOS	5 600
68.	Hong Kong Observatory	MyObservatory	6 206 000

No.	B/D /Public Organisation	App Name	Number of Downloads (As at 2016)
69.	Hong Kong Observatory	MyWorldWeather	213 000
70.	Hong Kong Police Force	Hong Kong Police Mobile Application	155 000
71.	Hongkong Post	Hongkong Post	251 000
72.	Hongkong Post	ShopThruPost	200
73.	Independent Commission Against Corruption	ICAC Corruption Fighters	1 800
74.	Independent Commission Against Corruption	ICAC eBooks Tablet App	600
75.	Independent Commission Against Corruption	ICAC Smartphone App	6 000
76.	Immigration Department	Hong Kong ImmD Mobile Application	136 000
77.	Information Services Department	“Hong Kong Yearbook 2014”	1 300
78.	Information Services Department	Government Bookstore	12 200
79.	Information Services Department	news.gov.hk	36 900
80.	Intellectual Property Department	“No Fakes Pledge” Shop Search	23 100
81.	Labour Department	iES	741 000
82.	Labour Department	Work Safety Alert	14 900
83.	Labour Department	Youth Employment Start	13 200
84.	Lands Department	MyMapHK	153 000
85.	Lands Department	VoiceMapHK	1 600
86.	Leisure and Cultural Services Department	Bruce Lee: Kung Fu • Art • Life	44 700
87.	Leisure and Cultural Services Department	Fitness Walking	53 300
88.	Leisure and Cultural Services Department	Multimedia Information	24 900
89.	Leisure and Cultural Services Department	My Culture	42 500

No.	B/D /Public Organisation	App Name	Number of Downloads (As at 2016)
90.	Leisure and Cultural Services Department	My Library	253 000
91.	Leisure and Cultural Services Department	My URBIX	368 000
92.	Leisure and Cultural Services Department	Star Hoppers	121 000
93.	Leisure and Cultural Services Department	Stories of the Qing Emperors' Grand Weddings	1 400
94.	Office of the Communications Authority	OFCA Broadband Performance Test	100 000
95.	Office of the Government Chief Information Officer	e-Auth	1 800
96.	Office of the Government Chief Information Officer	EventHK	41 900
97.	Office of the Government Chief Information Officer	GovHK Apps	177 000
98.	Office of the Government Chief Information Officer	GovHK Notifications	723 000
99.	Office of the Government Chief Information Officer	HK GovWiFi	30 400
100.	Office of the Government Chief Information Officer	iStartup@HK	1 000
101.	Office of the Government Chief Information Officer	Wi-Fi.HK	215 000
102.	Planning Department	City Gallery	5 200
103.	Radio Television Hong Kong (RTHK)	Chinese History – the Flourishing Age	86 600
104.	Radio Television Hong Kong	RTHK On The Go	1 815 000
105.	Radio Television Hong Kong	RTHK Cube	45 000
106.	Radio Television Hong Kong	RTHK LENS	4 700

No.	B/D /Public Organisation	App Name	Number of Downloads (As at 2016)
107.	Radio Television Hong Kong	RTHK Memory	22 100
108.	Radio Television Hong Kong	RTHK Mine	215 000
109.	Radio Television Hong Kong	RTHK News	80 700
110.	Radio Television Hong Kong	RTHK Screen	310 000
111.	Radio Television Hong Kong	RTHK Vox	7 600
112.	Security Bureau	Safeguard HK	28 200
113.	Social Welfare Department	3E Mobile App	500
114.	Social Welfare Department	Senior Citizen Card Scheme	34 200
115.	Transport Department	eTraffic News	25 800
116.	Transport Department	Hong Kong eRouting	153 000
117.	Transport Department	Hong Kong eTransport	1 613 000
118.	Water Supplies Department (WSD)	WSD Mobile App	16 200

New mobile apps launched in 2017

No.	B/D /Public Organisation	App Name	Number of Downloads (As at Feb 2017)
119.	Companies Registry	CR eFiling	630
120.	Development Bureau	My Kowloon East (MyKE)	2 000
121.	Tourism Commission	HK Food Truck	23 000

Information of the mobile apps planned to be launched by B/Ds in 2017-18

No.	B/D /Public Organisation	App Name	Development Cost
1.	Marine Department	eSeaChart (Tentative title)	No separate breakdown of the expenditure is available. Total project cost is around \$3,300,000.
2.	Hongkong Post	Hongkong Post Stamps	Around \$150,000
3.	Food and Environmental Hygiene Department	Internet Memorial Service Mobile App	Around \$300,000
4.	Independent Commission Against Corruption	ICAC Smartphone App 2.0 (upgrade of the existing ICAC Smartphone App)	Around \$560,000
5.	Hong Kong Housing Authority	Mobile Application to Public Rental Housing Tenants (MART) on Rent Related Services	Around \$600,000
6.	Tourism Commission	A Symphony of Lights (SoL)	No separate breakdown of the expenditure is available. Total project cost is around \$1,480,000.
7.	Education Bureau	說話加油站 (Web based Learning and Teaching Support)	Around \$450,000
8.	Department of Health (Special Preventive Programme)	1069 Test Finder (Bilingual version)	Around \$150,000
9.	Department of Health (Central Health Education Unit)	Snack Classification Apps	Around \$198,000
10.	Leisure and Cultural Services Department	Museum Multi-media Information Guide System (MMIS)	The app is a part of the MMIS project. As it is not a stand-alone project, no separate breakdown of the expenditure is available.
11.	Leisure and Cultural Services Department	“Bamboo in Our Life: Museum of Art at My Home” (Tentative title)	Around \$150,000

- End -

CONTROLLING OFFICER'S REPLY

ITB210

(Question Serial No. 1735)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (1) Use of IT in Government

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

What are the measures for revamping the GovHK government portal in 2017-18? What is the expenditure involved?

Asked by: Hon TO Kun-sun, James (Member Question No. 50)

Reply:

To facilitate smooth access to government information and use of e-services on different electronic devices (e.g. smartphones and tablets), the GovHK portal has adopted Responsive Web Design in November 2016.

In 2017-18, GovHK will continue to update its content, and launch new services for individual clusters. These include information on highway road works, water bills payment by e-Cheque, etc. We have also planned to conduct a customer survey in mid 2017 to gather public views on GovHK. The related work is absorbed by existing resources and manpower of the Office of the Government Chief Information Officer.

- End -

CONTROLLING OFFICER'S REPLY

ITB211

(Question Serial No. 2760)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

The development of e-sports is covered by policies on innovation and technology. Apart from the study of the latest technology and products, it is reported that a summer party featuring e-sports will be held in the Central promenade.

Will the Innovation and Technology Bureau co-operate with other government organisations to invite overseas parties to co-organise annual mega e-sports competitions to enhance Hong Kong's profile? If yes, what are the details? If not, what are the reasons?

Besides, a curriculum on "E-sports and Management" was introduced and included as part of the formal education of Mainland tertiary institutions. Has the Government considered providing subsidies to nurture e-sports talents and support them to participate in competitions abroad? If yes, what are the details? If not, what are the reasons?

Asked by: Hon TSE Wai-chun, Paul (Member Question No. 41)

Reply:

E-sports is a new area with economic development potential for Hong Kong, which can help promote the local gaming industry and innovation and technology development, such as application of virtual reality technologies. Hong Kong is well-placed to develop e-sports with its advanced information and communications technology infrastructure, freedom of information, and experiences in holding large-scale international competitions. The Government has invited Cyberport to study the latest e-sports technology and the relevant industry development, including nurturing e-sports talents and organising e-sports competitions.

Cyberport has commenced the related work. It is expected that Cyberport will submit the relevant study findings and recommendations to the Government in mid-2017. Having regard to Cyberport's study report, we will consider steps to further promote the development of e-sports.

- End -

CONTROLLING OFFICER'S REPLY

ITB212

(Question Serial No. 0707)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

What are the Government's policies, measures and progress on assisting small and medium enterprises to apply the concept and technologies of e-Commerce? What are the financial resources and manpower involved?

Asked by: Hon WONG Ting-kwong (Member Question No. 22)

Reply:

The Government seeks to encourage the industry, particularly small and medium enterprises (SMEs), to adopt in e-commerce and seize opportunities online business. The Expert Group on E-commerce (EGE) under the Working Group on Manufacturing Industries, Innovative Technology, and Cultural and Creative Industries of the Economic Development Commission was established in May 2015 to examine the development potential of e-commerce in Hong Kong and put forward recommendations on strategies and measures to promote e-commerce.

Regarding promotion, the Office of the Government Chief Information Officer (OGCIO), Alibaba and Hong Kong Netrepreneurs Association (HKNA) jointly organised the "2016 Hong Kong Ecommerce Ecosystem Summit and 2nd Hong Kong Ecommerce Award Competition" in April 2016 to explore the key elements of e-commerce, showcase the outstanding achievements of local SMEs adopting e-commerce and promote the development of e-commerce in Hong Kong. Between February and June 2017, OGCIO organises jointly with Alibaba and HKNA again the "2017 Hong Kong Ecommerce Ecosystem Summit and 3rd Hong Kong Ecommerce Award Competition". OGCIO does not provide any financial support to these events. Such work is absorbed by existing staff. No additional expenditure is involved.

- End -

CONTROLLING OFFICER'S REPLY

ITB213

(Question Serial No. 1115)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

What are the specific plans and works of the Government on promoting the development of the e-sports industry and building the e-sports industry chain in the coming 3 years? What is the expenditure involved?

Asked by: Hon WONG Ting-kwong (Member Question No. 48)

Reply:

E-sports is a new area with economic development potential for Hong Kong, which can help promote the local gaming industry and innovation and technology development, such as application of virtual reality technologies. Hong Kong is well-placed to develop e-sports with its advanced information and communications technology infrastructure, freedom of information, and the experiences in holding large-scale international competitions. The Government has invited Cyberport to study the latest e-sports technology and the relevant industry development. Cyberport will take forward this with its own resources and no government expenditure will be incurred.

Cyberport has commenced the related work. It is expected that Cyberport will submit the relevant study findings and recommendations to the Government in mid-2017. Having regard to Cyberport's study report, we will consider steps to further promote the development of e-sports.

- End -

CONTROLLING OFFICER'S REPLY

ITB214

(Question Serial No. 0712)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

With regard to “continued to organise outreach activities to encourage the use of ICT among seniors”, since the implementation of the ICT Outreach Programme for Elderly,

1. How many contracts have been awarded by the Government? Please provide the contract details, including names of the projects, service providers, content, the numbers of seniors benefited and the contract values.
2. How did OGCIO assess the effectiveness of the Programme, such as whether there was a target number of beneficiaries? How did OGCIO monitor the implementation of the Programme?
3. What was the manpower and expenditure for the implementation, vetting and monitoring of the Programme?

Asked by: Hon WU Chi-wai (Member Question No. 28)

Reply:

The requested information is provided as follows:

1. The Office of the Government Chief Information Officer (OGCIO) launched two rounds of ICT Outreach Programme for Elderly in 2013-14 and 2015-16 respectively. We funded 3 non-governmental organisations (NGOs) to implement their respective projects under each of these two rounds. Details are as follows:

First Round of the Programme	
Project Title / Service Provider	(1) 「耆」樂無限－長者體驗數碼計劃* / Po Leung Kuk (2) 數碼共融外展計劃* / Evangelical Lutheran Church Social Service – Hong Kong (3) 長者全動網絡計劃* / Hong Kong Sheng Kung Hui Welfare Council Limited
Content	The service providers organised outreach visits, taught institutionalised elderly and hidden elderly the use of information and communications technology (ICT), provided tablets for use by elderly living in residential care homes, and organised activities on the use of digital devices, competitions, appreciation ceremony and sharing sessions.
No. of Elderly Beneficiaries	1 169
Amount of Funding	Around \$0.71 million

* The project names are in Chinese only.

Second Round of the Programme	
Project Title / Service Provider	(1) 數碼樂聚・影・情真* / The Hong Kong Society for the Aged (2) 樂在耆「連」長者數碼網絡計劃* / Po Leung Kuk (3) 數碼共融外展計劃 2.0* / Evangelical Lutheran Church Social Service – Hong Kong
Content	In addition to institutionalised elderly and hidden elderly, the service scope was extended to cover elderly receiving day care services and home care services. Besides, the projects also provided tablet and mobile phone on-loan services, and organised activities on the use of digital devices, digital photo competition, sharing sessions and fun day.
No. of Elderly Beneficiaries	2 071
Amount of Funding	Around \$1.09 million

* The project names are in Chinese only.

2. We assessed the effectiveness of the Programme based on the performance targets agreed with the service providers and the actual performance upon project completion. The performance targets included: coverage of districts by activities, number of residential care homes for the elderly and day care centres participating in the Programme, and number of elderly beneficiaries. The assessments showed that all service providers had met the performance targets. In addition, we requested the service providers to conduct a post-activity survey which had to achieve over 50% response rate upon completion of the activities.

In monitoring the implementation of the Programme, the service providers were required to

submit regularly project progress reports, financial information and service statistics. We also had meetings with service providers periodically in order to understand their respective implementation status and project progress. The service providers were also required to submit a final report and an audited financial statement within 2 months after project completion.

3. The manpower required for the implementation, vetting and monitoring of the Programme was met by internal deployment within OGCIIO. No additional expenditure was incurred.

- End -

CONTROLLING OFFICER'S REPLY

ITB215

(Question Serial No. 3884)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

It is mentioned in Paragraph 126 of the Budget that the Government will invite Cyberport to study the latest technology and products development and explore further promotion of e-sports in Hong Kong.

1. Apart from the e-Sports events held in the AsiaWorld-Expo last year, were any large-scale e-sports events held in Hong Kong in the past 3 years? If yes, what are the details? Please provide details on the venues of the events, organisers, numbers of participants, etc.;
2. Does the Government anticipate that any e-sports events will be held in Hong Kong in the coming year? If yes, please provide the details;
3. On what basis does the Government think that Hong Kong is well placed to develop e-sports? What are the new technology and products development planned to be studied by the Government?
4. What is the expected time of Cyberport's commissioning and completion of the related study?

Asked by: Hon WU Chi-wai (Member Question No. 17)

Reply:

Our consolidated reply to the various parts of the question is as follows:

E-sports is a new area with economic development potential for Hong Kong, which can help promote the local gaming industry and innovation and technology development, such as application of virtual reality technologies. Hong Kong is well-placed to develop e-sports

with its advanced information and communications technology infrastructure, freedom of information, and experiences in holding large-scale international competitions. The Government has invited Cyberport to study the latest e-sports technology and the relevant industry development. It is expected that Cyberport will submit the relevant study findings and recommendations to the Government in mid-2017. Having regard to Cyberport's study report, we will consider steps to further promote the development of e-sports.

We are aware that various organisations in Hong Kong have organised a number of e-sports activities for public participation in recent years. As these activities did not involve any expenditure under the Office of the Government Chief Information Officer, we are not able to provide information on such activities.

- End -

CONTROLLING OFFICER'S REPLY

ITB216

(Question Serial No. 3892)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (2) IT Infrastructure and Standards

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

The Energizing Kowloon East Office commenced the “Developing Kowloon East into a Smart City District - Feasibility Study” in February 2016. In the meantime, the Office of the Government Chief Information Officer also commenced a “consultancy study on the smart city development blueprint” in September 2016.

Apart from these two studies, are there any studies on “smart city” being carried by the Bureau, other government departments or public organisations? Does the Bureau currently have any initial way forward or targets in smart city development?

Asked by: Hon WU Chi-wai (Member Question No. 29)

Reply:

In consultation with the Development Bureau, the requested information is as follows:

Apart from the consultancy study for formulating the smart city blueprint by the Office of the Government Chief Information Officer (OGCIO) and the “Developing Kowloon East into a Smart City District - Feasibility Study” by the Energizing Kowloon East Office, the Development Bureau is taking forward a strategic study on the development of a “Common Spatial Data Infrastructure” to provide government departments as well as public and private organisations with an information infrastructure to support the development of various smart city applications involving spatial data.

Regarding the smart city blueprint, the consultancy study commissioned by OGCIO is underway and expected to be completed in mid-2017. The consultant has undertaken preliminary review of some important areas such as environment, healthcare and transport.

- End -

CONTROLLING OFFICER'S REPLY

ITB217

(Question Serial No. 4528)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (2) IT Infrastructure and Standards

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

Regarding (the work to) continue to collaborate with Guangdong, through the Hong Kong/Guangdong ICT Expert Committee, in formulating technical standards and guidelines on cloud computing, big data, Internet of Things and smart city applicable to both places,

1. What is the composition of the Committee? Have any industry representatives been included? What is the work mode, e.g. the time of convening meetings, the set-up of any working groups under the Committee, etc.? How many meetings have been convened since its establishment?
2. Will there be any targets or blueprint for the Committee, e.g. the numbers of areas of standards and guidelines to be developed?
3. How many standards and guidelines have been enforced since the establishment of the Committee?

Asked by: Hon WU Chi-wai (Member Question No. 126)

Reply:

The requested information is as follows:

1. The membership of Hong Kong/Guangdong Information and Communications Technology (ICT) Expert Committee (the Committee) comprises 41 ICT experts from governments, academia, research organisations and industry, etc. of both places. The Committee has 4 sub-groups, namely:
 - Construction and Application of Cloud Platform;
 - Research and Application of Cloud Computing Technologies and Standards;

- Research and Application of Big Data Technologies; and
- Application of Internet of Things and Smart City.

The Committee has held two plenary meetings since its establishment in early 2016.

2. The objective of the Committee is to promote technology development and application of cloud computing, big data, Internet of Things and smart city, formulate relevant standards and guidelines applicable to both places, and facilitate participation in international organisations by the industries of both places in the formulation of ICT standards under.
3. The work of the Committee is in progress, and the standard or guideline have not yet been finalised.

- End -

CONTROLLING OFFICER'S REPLY**ITB218****(Question Serial No. 3956)**

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

The Office of the Government Chief Information Officer has funded 5 digital inclusion mobile apps projects in 2016-17. Please inform this Committee of the following: What is the respective expenditure of the 5 projects? What are the numbers of downloads on the Android platform and the iPhone/iPad platform respectively (please list out the respective numbers)? Will the implementation of the Funding Scheme for Digital Inclusion Mobile Apps be continued in 2017-18? If yes, what is the estimated expenditure?

Asked by: Hon YEUNG Alvin (Member Question No. 63)

Reply:

In 2016-17, the Office of the Government Chief Information Officer conducted one round of application for the Funding Scheme for Digital Inclusion Mobile Apps and provided funding support for non-profit social service organisations to develop a total of 5 mobile apps for persons with special needs. These mobile apps have been launched progressively since February 2017. The organisations concerned are now organising promotion activities to raise public awareness and encourage those in need to make use of these mobile apps. Details of these apps, number of downloads and amount of funding provided are as follows:

App Name	Development Organisation	Number of Downloads (as at 28 February 2017)		Amount of Funding (\$)
		Android Platform	iPhone/iPad Platform	
Early Literacy	SAHK	178	Not supported	455,000
Smart and Fit DS Kids	Hong Kong Down Syndrome Association	99	25	385,000
Tap My Dish	Hong Kong Blind Union	Not supported	412	482,000

App Name	Development Organisation	Number of Downloads (as at 28 February 2017)		Amount of Funding (\$)
		Android Platform	iPhone/iPad Platform	
Silence Sign Language Interpretation App	Silence Limited	12	21	379,000
AngeLINK	Hong Kong Young Women's Christian Association	122	59	451,000
Total:				2,152,000

The Funding Scheme for Digital Inclusion Mobile Apps will be put under the funding scope of the “Innovation and Technology Fund for Better Living” which is expected to be launched in mid-2017.

- End -

CONTROLLING OFFICER'S REPLY

ITB219

(Question Serial No. 3958)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

What are the total numbers of residential care homes for the elderly and day care centres served by the ICT Outreach Programme for Elderly in 2016-17? What is the total amount of expenditure? What is the estimated expenditure earmarked for continuing the implementation of these programmes in 2017-18? Besides, according to the details on the above-mentioned programmes in 2015-16, one of the funded organisations, Po Leung Kuk, has organised an activity on “music therapy” for the elderly. In this connection, please inform this Committee whether your Office will earmark any expenditure for promoting this (or similar) kind of therapy for the elderly. If yes, what is the estimated expenditure?

Asked by: Hon YEUNG Alvin (Member Question No. 65)

Reply:

The latest round of the ICT Outreach Programme for Elderly (the Programme) was implemented from July 2015 to August 2016. The funded organisations served a total of 63 residential care homes for the elderly and day care centres with a total expenditure of about \$1.09 million. We plan to launch a new round of the Programme in the second half of 2017 with an implementation period of 12 months. The estimated expenditure is \$1.26 million.

Po Leung Kuk, one of the funded organisations in the latest round of the Programme, arranged a music therapy activity for elders in residential care homes. By teaching them to play music with mobile app running on tablet computer, the activity helped elders express their emotions through music, arouse their interest in ICT and enhance their communication ability with others. In the new round of the Programme, we will continue to engage non-profit-making organisations through open tender procedures to organise different types of ICT outreach activities to teach and encourage the elderly to adopt ICT more widely with an aim to broaden their social circles and improve their quality of life.

- End -

CONTROLLING OFFICER'S REPLY**ITB220****(Question Serial No. 1069)**

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

It is mentioned in last year's Budget that the Government has earmarked \$500 million to further increase the number of Wi-Fi.HK hotspots to over 30 000, bringing greater convenience to our citizens and tourists.

- (1) Please tabulate the numbers of additional Wi-Fi hotspots and the expenditure involved in the past 3 years respectively.

Year	Number of Additional Hotspots	Expenditure Involved
2014		
2015		
2016		

- (2) What is the number of additional Wi-Fi hotspots in 2017-18? What is the expenditure involved?
- (3) Regarding the increase in Wi-Fi hotspots through public-private collaboration, what are the work plans of the Government? What is the amount of financial provision embarked in this regard?

Asked by: Hon YIU Si-wing (Member Question No. 22)

Reply:

The requested information is as follows:

(1)

Year	Number of “Wi-Fi.HK” Hotspots (including “GovWiFi” service)	Expenditure (\$ million)
2014-15	Total around 14 000 (“Wi-Fi.HK” was launched in 2014)	around 15.21
2015-16	Increased by around 3 000	around 14.23
2016-17	Increased by around 2 000	around 18.95

(2) In May 2016, the Finance Committee of the Legislative Council approved a funding commitment of \$500 million for implementing the “Wi-Fi Connected City” programme to progressively expand the coverage of the free “Wi-Fi.HK” service. The estimated expenditure for the “Wi-Fi Connected City” programme in 2017-18 is about \$78.45 million with an estimated increase of about 4 000 Wi-Fi hotspots.

(3) We have earmarked \$210 million under the “Wi-Fi Connected City” programme to increase the number of Wi-Fi hotspots via the public-private collaboration model. We will open up government venues as far as possible for the private sector to, at their own cost, install equipment and provide Wi-Fi service with free usage time. Under this collaboration model, the Government can provide sustainable public Wi-Fi service without the need to fund the operating cost.

Currently, we have already selected about 180 government venues across 18 districts in Hong Kong for implementing a pilot project using the public-private collaboration model to provide Wi-Fi service with free usage time for the public. The venues include land boundary control points, footbridges, parks, and markets. The service will be launched progressively starting from the second quarter of 2017. Based on the results of the pilot project, we will draw up the long-term public-private collaboration model and the implementation details for the next phase. We expect to fully roll out the public-private collaboration model in the fourth quarter of 2017. We anticipate that the number of “Wi-Fi.HK” hotspots will increase to 34 000 by 2019.

- End -

CONTROLLING OFFICER'S REPLY

ITB221

(Question Serial No. 1075)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

It is mentioned under Matters Requiring Special Attention in 2017-18 that the Bureau will continue to oversee the further enhancement of public Wi-Fi services.

- (1) What are the tourist spots where “Wi-Fi.HK” hotspots have been installed? Will the Government accord priority to the installation of free Wi-Fi hotspots at popular tourist spots?
- (2) What publicity measures will the Government adopt to introduce to tourists the locations of free Wi-Fi hotspots and the methods of use for facilitating their use of the free wireless network?

Asked by: Hon YIU Si-wing (Member Question No. 23)

Reply:

The requested information is as follows:

- (1) “Wi-Fi.HK” hotspots are now available at a number of tourist spots including Golden Bauhinia Square, Ngong Ping cable car terminals and Ngong Ping Village, Ocean Park Hong Kong, Repulse Bay Beach, Kai Tak Cruise Terminal, Hong Kong Wetland Park, Peak Road Garden, Hong Kong Cultural Centre Piazza, Tsim Sha Tsui Promenade, Statue Square Gardens, Bird Garden, M+ Pavilion in the West Kowloon Cultural District and some major museums. We will continue to encourage public and private organisations to join the “Wi-Fi.HK” scheme to provide free Wi-Fi service at venues commonly visited by the public and tourists.
- (2) The Government promotes “Wi-Fi.HK” to the public and tourists through various channels, such as newspapers, magazines, announcements in the public interest and social media. We work with the Hong Kong Tourism Board to promote the

“Wi-Fi.HK” brand to tourists. We also launched a “Wi-Fi.HK” thematic website and mobile application providing information of the participating organisations and the hotspot locations to make it easier for the public and tourists to locate free Wi-Fi hotspots and view the user guide.

- End -

CONTROLLING OFFICER'S REPLY

ITB222

(Question Serial No. 2891)

Head: (47) Government Secretariat : Office of the Government Chief Information Officer

Subhead (No. & title):

Programme: (3) IT in the Community

Controlling Officer: Government Chief Information Officer (Allen YEUNG)

Director of Bureau: Secretary for Innovation and Technology

Question:

E-sports has been developing rapidly and even become a form of international sports competition. The Government has also stated that it would invite Cyberport to study the latest technology and products development and explore further promotion of e-sports in Hong Kong. Does the Government have any inclined direction for the promotion of e-sports and the development of related products in Hong Kong at this stage? On the allocation of resources, will any strategic estimated expenditure be worked out? What are the expenditure, specific content and timetable involved of the study conducted by Cyberport in 2017-18? Apart from inviting Cyberport to conduct study, will the Government carry out the work relating to the promotion of e-sports development in 2017-18? If yes, what are the details of the various aspects of work, including the specific content as well as the expenditure and manpower involved?

Asked by: Hon YUNG Hoi-yan (Member Question No. 35)

Reply:

E-sports is a new area with economic development potential for Hong Kong, which can help promote the local gaming industry and innovation and technology development, such as application of virtual reality technologies. Hong Kong is well-placed to develop e-sports with its advanced information and communications technology infrastructure, freedom of information, and experiences in hosting large-scale international competitions. The Government has invited Cyberport to study the latest e-sports technology and the relevant industry development. Cyberport will take forward this with its own resources and no government expenditure will be incurred.

Cyberport has commenced the related work. It is expected that Cyberport will submit the relevant study findings and recommendations to the Government in mid-2017. Having regard to the Cyberport's study report in further promoting the development of e-sports.

- End -