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Replies to supplementary questions raised by Finance Committee Members in examining the Estimates of Expenditure 2019-20

Director of Bureau : Secretary for Innovation and Technology

Session No. : 15

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CONTROLLING OFFICER'S REPLY

S-ITB01

(Question Serial No. S078)

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

Subhead (No. & title): ()

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Mrs Millie NG)

Director of Bureau: Secretary for Innovation and Technology

Question:

It is stated in Reply Serial No. ITB001 that the works to provide a dedicated e-sports competition venue in the Cyberport Arcade, which is a Government initiative to support e-sports, are expected to be completed by mid-2019. In this connection, will the Government advise this Committee of:

- (1) the progress of the above conversion works and whether the works can be completed by mid-2019 as scheduled according to current estimate;
- (2) whether any competition will be held in the second half of 2019? If yes, please provide the names of the participating units, the scale of competitions and the expected number of spectators.
- (3) the expected number of competitions and the total attendance each year upon completion of the conversion works?

Asked by: Hon AU Nok-hin

Reply:

The information required is provided as follows:

- (1) The conversion works for the dedicated e-sports competition venue in the Cyberport Arcade have commenced in September 2018, and are expected to be completed by mid-2019.
- (2) In the past few months, numerous organisations have approached Cyberport and expressed interest in hosting e-sports competitions and events at the dedicated e-sports venue in Cyberport. As the organisers of the competitions are still discussing the details with their partners, we are unable to provide specific information for the time being.

- (3) Cyberport expects that 6 to 8 large-scale e-sports competitions will be held each year, while some e-sports competitions and events of a smaller scale will be held each month. Upon completion, the e-sports venue in Cyberport can accommodate about 500 spectators. In addition, hardware upgrading works have been carried out for the large screen at the outdoor podium of Cyberport, enabling spectators to watch the events being held at the e-sports venue in an outdoor area through streaming.

- End -

CONTROLLING OFFICER'S REPLY

S-ITB02

(Question Serial No. S089)

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

Subhead (No. & title): ()

Programme: (2) Innovation and Technology

Controlling Officer: Permanent Secretary for Innovation and Technology
(Mrs Millie NG)

Director of Bureau: Secretary for Innovation and Technology

Question:

- 1) It is mentioned in the Estimates that the TechConnect (block vote) was continued to implement to support technology projects of government departments to enhance operational efficiency and service quality. Please provide details of the expenditures on the following projects:

Department	Title of project	Technology adopted	Objective(s) of technology trials and indicator(s) for measuring effectiveness	Detailed estimates (manpower to be employed/ details of products to be procured and suppliers/expenses on development and maintenance of systems/other expenses)
Hong Kong Police Force	E-statement (Speech Recognition) and Data Mining System (EDMS)			
	Radio-frequency Identification (RFID) System for management of affected people during major incidents			

Department	Title of project	Technology adopted	Objective(s) of technology trials and indicator(s) for measuring effectiveness	Detailed estimates (manpower to be employed/ details of products to be procured and suppliers/expenses on development and maintenance of systems/other expenses)
	Video Explorer			
	Automation of Cybercrime Capturing, Categorisation and Correlation (AC4)			
	Advanced Image Processing System			

- 2) Regarding the trial projects which have adopted the blockchain technology for enhancing operational efficiency and service quality of the Government, please provide information on the relevant government departments and trial projects.

Asked by: Hon MOK Charles Peter

Reply:

The required information is provided as follows:

(1)

Department	Title of project	Technology adopted	Objective(s) of technology trials and indicator(s) for measuring effectiveness	Detailed estimates (\$ million)
Hong Kong Police Force	E-statement (Speech Recognition) and Data Mining System (EDMS)	Big Data/ Speech Recognition	<u>Objective(s) of technology trials:</u> To enhance the efficiency in statement taking and data analysis through the utilisation of automation technology.	9.5 (For procurement of products and services)

Department	Title of project	Technology adopted	Objective(s) of technology trials and indicator(s) for measuring effectiveness	Detailed estimates (\$ million)
			<p><u>Indicator(s) for measuring effectiveness:</u> Time saved in taking witness statements and enhanced data security and integrity, as well as more efficient data access and analysis.</p>	
	Radio-frequency identification (RFID) system for management of affected people during major incidents	Internet of Things/ Radio-frequency Identification	<p><u>Objective(s) of technology trials:</u> To boost the efficiency of information management for planning of rescue missions, and to enhance triage of affected people during major incidents.</p> <p><u>Indicator(s) for measuring effectiveness:</u> More speedy and orderly management of affected people and more accurate injury records of patients for arrangement of appropriate follow-up actions during major incidents.</p>	3.4 (For system development and upgrade)

Department	Title of project	Technology adopted	Objective(s) of technology trials and indicator(s) for measuring effectiveness	Detailed estimates (\$ million)
	Video Explorer	Video Analytics	<p><u>Objective(s) of technology trials:</u> To improve the accuracy and efficiency of video analysis so as to enhance crime prevention and detection .</p> <p><u>Indicator(s) for measuring effectiveness:</u> Time saved in analysing video during investigation and thus enhanced efficiency of investigation.</p>	9.9 (For procurement of products and services)
	Automation of Cybercrime Capturing, Categorisation and Correlation (AC4)	Big Data/ Artificial Intelligence	<p><u>Objective(s) of technology trials:</u> To facilitate analysis of emerging cybercrime trends and latest modus operandi, and to enhance the efficiency of cybercrime prevention and detection.</p> <p><u>Indicator(s) for measuring effectiveness:</u> Time and manpower saved in cybercrime investigation and thus enhanced efficiency of</p>	6.8 (For system development and procurement of products and services)

Department	Title of project	Technology adopted	Objective(s) of technology trials and indicator(s) for measuring effectiveness	Detailed estimates (\$ million)
			investigation.	
	Advanced Image Processing System	Video Analytics	<p><u>Objective(s) of technology trials:</u> To utilise image enhancement technology to facilitate the presentation of digital evidence for court proceedings.</p> <p><u>Indicator(s) for measuring effectiveness:</u> Time saved in crime investigation and thus enhanced efficiency of investigation.</p>	6.7 (For procurement of products and services)

(2) The Office of the Government Chief Information Officer (OGCIO) is taking forward the project of pilot application on blockchain technology. At present, the OGCIO is discussing with four departments cooperation on implementation of pilot projects. The content of the project for the Department of Health is yet to be determined. The contents of the projects for the Intellectual Property Department, the Companies Registry and the Environmental Protection Department are set out in the table below. Specific details of these projects are still under discussion:

Department	Brief project description
Intellectual Property Department	To put records of assignments of registered trademarks and relevant information on blockchain by making use of blockchain's immutability, so as to facilitate the receipt and access of relevant information by relevant parties (such as the original owner and new owner of the trademark) and their agents.
Companies Registry	To enhance the e-Monitor service with the adoption of blockchain technology to provide company users (such as banks, company secretaries) with a more effective and automated means to monitor the filing records of specified companies.
Environmental Protection	To optimise the procedures for environmental permits which involve different government departments by making use of

Department	Brief project description
Department	blockchain's distributed ledgers and its automation and traceability.

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CONTROLLING OFFICER'S REPLY**S-ITB03****(Question Serial No. SV023)**Head: (135) Government Secretariat: Innovation and Technology BureauSubhead (No. & title): (000) Operational expensesProgramme: (3) Efficiency OfficeControlling Officer: Permanent Secretary for Innovation and Technology
(Mrs Millie NG)Director of Bureau: Secretary for Innovation and TechnologyQuestion:

A follow-up question on the Reply Serial No. ITB075:

Please advise this Committee on the details, in tabular form, of how the Efficiency Office assisted in streamlining the administration of government services in the past year:

Government department involved	Details of administration streamlining	Results achieved	Staff establishment	Expenditure

Asked by: Hon YEUNG AlvinReply:

The details of the projects in which the Efficiency Office (EffO) assisted bureaux/departments in streamlining the administration of services in the past year (i.e. 2018) are set out at the attached table.

Government department involved	Details of administration streamlining	Results achieved	Staff establishment	Expenditure
1. Transport Department	Business process re-engineering (BPR) Study for Implementation of e-Services for Permit	The proposal allows the public to make electronic	Absorbed by existing manpower	Not applicable

Government department involved	Details of administration streamlining	Results achieved	Staff establishment	Expenditure
	<p>Application System</p> <ul style="list-style-type: none"> To review the business processes related to the applications for four types of vehicle permits processed by TD; and to design the corresponding online application processes, with a view to providing efficient and user-friendly e-Services to the public and to enhancing the operational efficiency of the department 	<p>submission on permit applications in a convenient manner. It also enables TD to handle applications efficiently.</p>		
2. Leisure and Cultural Services Department (LCSD)	<p>Service Design Consultancy Study on the Intelligent Sports and Recreation Services Booking and Information System</p> <ul style="list-style-type: none"> To engage a consultant to conduct user research to better understand users' experience and expectations on booking/enrolment of recreation and sports facilities/programmes ; and to recommend design options and user interface on the new Intelligent Sports and Recreation Services Booking and Information System and the recreation and sports venues with a view to enhancing the usability of information and services provided 	<p>By improving the process of facility booking and programme enrolment, the study helps improve the users' experience of both LCSD staff and the public. This will enhance the acceptability of the new system and reduce the uncertainties during system launch.</p>	Engaging external consultancy services	\$2,095,750
3. Commerce and Economic	BPR Study on Development of Trade	The proposals enable	Absorbed by existing	Not applicable

Government department involved	Details of administration streamlining	Results achieved	Staff establishment	Expenditure
Development Bureau	<p>Single Window in Hong Kong</p> <ul style="list-style-type: none"> To review and re-design the business processes of all the 51 trade documents covered by the Trade Single Window in Hong Kong and providing advice on stakeholder engagement 	<p>one-stop lodging of trade documents required for trade declaration and customs clearance purposes from the trade community to the Government. This will not only facilitate business activities but also contribute to more effective trade control.</p>	manpower	
4. Fire Services Department, Water Supplies Department and Highways Department	<p>Through parallel processing of the relevant applications and enhancing the relevant licensing guides, the processing of applications for installation of an improvised sprinkler system in respect of premises located in old composite buildings would be expedited to facilitate these premises to satisfy the requirements for obtaining licences</p>	<p>Facilitate obtaining licences in respect of premises located in old composite buildings</p>	Absorbed by existing manpower	Not applicable
5. Food and Environmental Hygiene Department, Buildings	<p>Measures to facilitate food business licence applicants to obtain a full licence in a timely manner</p>	<p>The new measure facilitates obtaining full licences by</p>	Absorbed by existing manpower	Not applicable

Government department involved	Details of administration streamlining	Results achieved	Staff establishment	Expenditure
Department, Housing Department and Fire Services Department	<ul style="list-style-type: none"> • To streamline the full licence application process • To engage professionals in processing the applications for alteration to the layout plans 	the trade in a timely manner and shortens the time required for processing the applications for alteration to layout plans.		

Assisting government departments in streamlining the administration of services is one of the core duties of the EffO, we do not maintain separate breakdowns of the staff establishment and expenditure involved.

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CONTROLLING OFFICER'S REPLY**S-ITB04****(Question Serial No. S074)**

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

Subhead (No. & title): ()

Programme: (3) 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 reference to Reply Serial No. ITB104 on matters relating to the non-local persons approved for entry under the Technology Talent Admission Scheme (TechTAS), please inform this Committee of the following:

1. Please provide in the table below the names of the degree-awarding institutions for the highest academic qualifications of the non-local persons approved for entry, the highest academic qualifications and the number of persons.

Location of degree-awarding institution for the highest academic qualification	Name of awarding institution	Highest academic qualification (e.g. doctoral degree)	Number of non-local persons approved for entry under TechTAS

2. Please provide in the table below the numbers of non-local persons approved for entry by technology areas and their respective regions.

Technology area	Number of non-local persons approved for entry under TechTAS						
	Mainland China	Taiwan	Southeast Asia	Europe	America	Australia	Others
Financial technologies							
Material science							
Artificial intelligence							
Data analytics							
Cybersecurity							
Robotics							
Biotechnology							

Asked by: Hon FAN Kwok-wai, Gary

Reply:

In consultation with the Immigration Department (ImmD), a consolidated reply to the various parts of the question is as follows:

As at end-February 2019, the statistics of the non-local persons approved for entry under the Technology Talent Admission Scheme (TechTAS) as requested in the question are as follows:

Location of degree-awarding institution for the highest academic qualification	Highest academic qualification		Total
Mainland China	Doctoral degree: Master's degree: Bachelor's degree or equivalent: Others:	7 7 8 0	22
Other regions in Asia	Doctoral degree: Master's degree: Bachelor's degree or equivalent: Others:	2 3 3 1	9
Europe	Doctoral degree: Master's degree: Bachelor's degree or equivalent: Others:	1 3 0 0	4
America	Doctoral degree: Master's degree: Bachelor's degree or equivalent: Others:	2 0 1 0	3
Australia	Doctoral degree: Master's degree: Bachelor's degree or equivalent: Others:	1 1 0 0	2
Total	Doctoral degree: Master's degree: Bachelor's degree or equivalent: Others:	13 14 12 1	40

	Respective region of the non-local persons approved for entry				
Technology area	Mainland China	Taiwan	Southeast Asia	Others	Total
Financial technologies	10	0	1	2	13
Material science	6	2	1	0	9
Artificial intelligence	5	0	0	1	6
Data analytics	3	0	0	1	4
Cybersecurity	1	0	2	0	3
Robotics	3	0	0	0	3
Biotechnology	1	0	1	0	2
Total	29	2	5	4	40

As in other existing admission schemes, ImmD does not compile statistics on the names of the degree-awarding institutions.

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CONTROLLING OFFICER'S REPLY

S-ITB05

(Question Serial No. SV010)

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

Subhead (No. & title): ()

Programme: (3) 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:

A follow-up question on Question Serial No. ITB104:

- (1) What are the respective employment periods of all the non-local persons approved for entry to work in Hong Kong under the Technology Talent Admission Scheme (TechTAS)?
- (2) Has the Government examined and verified the authenticity of the academic qualifications and experience of the applicants under the TechTAS? How?

Asked by: Hon FAN Kwok-wai, Gary

Reply:

In consultation with the Immigration Department (ImmD), the requested information is provided as follows:

- (1) Persons admitted under the Technology Talent Admission Scheme (TechTAS) will normally be granted an initial stay of 24 months on employment condition, or in accordance with the duration of the employment contract (whichever is shorter), upon entry. As at end-February 2019, the employment period of all the 40 persons approved for entry under the TechTAS is no less than 12 months. ImmD does not have more detailed statistics on the employment period of the persons admitted to Hong Kong under the TechTAS.
- (2) In processing each application, ImmD has adopted stringent standard in verifying qualification proofs submitted by applicants. ImmD requires applicants to submit relevant proof of academic qualifications, professional qualifications and work experience, etc. For proof of academic qualifications, ImmD will request the applicants to apply to relevant authorised institutions (such as relevant education department or authorities, the Hong Kong Council for Accreditation of Academic and Vocational Qualifications, or the relevant educational institutions) for verification of

his/her academic qualifications, and send the verification results to ImmD directly for examination, where necessary. As for the documentary proof of other professional qualifications, ImmD may request the applicants to submit the documentary proof of professional qualifications validated by relevant notaries public, so as to determine the authenticity of the qualifications.

It is an offence for any persons to furnish false information or make false representation to ImmD in their applications for visas or entry permits. Apart from rejecting such applications, ImmD will also initiate criminal investigations into the cases concerned. Upon conviction, offenders are liable to a maximum fine of \$150,000 and imprisonment for 14 years.

- End -

CONTROLLING OFFICER'S REPLY**S-ITB06****(Question Serial No. SV011)**

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

Subhead (No. & title):

Programme: (4) Infrastructural Support

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

Director of Bureau: Secretary for Innovation and Technology

Question:

A follow-up question on Question Serial No. ITB127:

Please provide the details of the companies funded by the Corporate Venture Fund under the Hong Kong Science and Technology Parks Corporation, including the company names and amount of funding approved, etc.

Asked by: Hon MOK Charles Peter

Reply:

In view of the confidentiality terms set out in the investment agreement and given that the relevant details involve sensitive commercial information, the Hong Kong Science and Technology Parks Corporation is unable to provide information on the names of 9 investees under the Corporate Venture Fund (CVF) and the amount of funding approved. The total amount of investment under the CVF by technology fields of the investees is provided below for reference —

	Technology fields of the investees	Number of enterprises	Total amount of investment under the CVF (HK\$ million)
1.	Biotechnology	5	31.6
2.	Robotics and artificial intelligence	2	9.6
3.	Information technology	2	8.8

- End -

CONTROLLING OFFICER'S REPLY**S-ITB07****(Question Serial No. S077)**

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 (Victor LAM)

Director of Bureau: Secretary for Innovation and Technology

Question:

As indicated in government papers, with the devolution of information technology (IT) support from the Office of the Government Chief Information Officer (OGCIO) to government departments, various departments are required to take charge of their own IT support services. Some bureaux and government departments (B/Ds) have set up Information Technology Management Units (ITMUs), which are responsible for assisting the B/Ds concerned in the planning, management and co-ordination of IT services, formulation of IT policies, development of IT systems, repair and maintenance of IT systems as well as provision of technical and system operation support, etc. In this connection, will the Government inform this Committee of the following:

- (1) The following information on ITMUs under various B/Ds, and broken down by B/D in tabular form:

B/D	Number of Staff in ITMU				ITMU Head		
	IT Professional Grade Staff		Civil Servant (Including all Grades)	Non-Civil Service Contract (NCSC) Staff [^]	Directorate Officer	Rank @	Nature of Employment Terms (C / N) *
	Analyst/ Programmer Grade	Computer Operator Grade					

- (i) the number of IT professional staff;
- (ii) the organisation chart, as well as the numbers of civil servants and NCSC staff;
- (iii) the scope of work;
- (iv) the number of staff members and their main duties, broken down by rank, whether their posts are permanent ones and the means of recruitment (including internal promotion, internal transfer and open recruitment), and the number of directorate officers among them;
- (v) the payroll expenses and numbers of posts in each of the past 3 years; and
- (vi) the major IT projects currently undertaken by them, as well as the details of and staff deployment for these projects;

Details of and staff deployment for the major IT projects currently undertaken by various B/Ds

B/D	Project	Project Details	Staff Deployment
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- (2) The following information on the ITMU heads under various B/Ds, broken down by B/D in tabular form:
 - (i) the ranks and whether they belong to one-rank grades;
 - (ii) the means of recruitment (including internal promotion, internal transfer or transfer from OGCIO and open recruitment);
 - (iii) the nature of employment contracts (whether they are civil service agreements or non-civil service contracts);
 - (iv) the IT-related qualifications possessed; and
 - (v) whether their posts are permanent ones;
- (3) The criteria adopted by various B/Ds for determining the establishment of their ITMUs; whether any mechanism is in place for reviewing the demand for IT application in various B/Ds, as well as the organisation structure, staff establishment and work effectiveness of their ITMUs, and for allocating additional resources and manpower to them when necessary. If yes, what are the details; and
- (4) Whether it has any plans to provide additional resources (such as manpower) for individual B/Ds in the coming 3 years to cope with the IT projects to be implemented soon. If yes, what are the details?

Asked by: Hon MOK Charles Peter

Reply:

The required information is provided as follows:

- (1) (i), (ii) and (iv) The numbers of staff in the Information Technology Management Units (ITMUs) currently under various bureaux and departments (B/Ds) are at **Annex 1**. The Office of the Government Chief Information Officer (OGCIO) does not have the organisation charts and the staff ranking information of individual ITMUs. Day-to-day duties in ITMUs are normally undertaken by staff on permanent establishment.

For the Analyst/Programmer (AP) and Computer Operator (COp) Grades under the management of OGCIO, vacancies in the entry rank are filled by open recruitment while those in higher ranks are normally filled by promotion or staff posting. As for staff of other grades and contract staff in ITMUs, their recruitment is handled in accordance with the established procedures of the B/Ds concerned.

Major responsibilities of the AP Grade staff in ITMUs are :

- Formulating relevant strategies and measures to harness the benefits

- of information technology (IT) to meet policy objectives of B/Ds;
- Conducting information systems studies; designing, implementing, maintaining and supporting IT systems;
- Developing, managing and maintaining IT infrastructural facilities, and providing technical advice to departmental management and users; and
- Procuring hardware, software and IT services, and managing outsourcing projects.

Major responsibilities of the COp Grade staff in ITMUs are :

- Providing support to B/Ds' business operation through the management, operation and maintenance of IT services round-the-clock in government data centres; and
- Providing IT support to departmental users including helpdesk and on-site support service on network, computers and servers, as well as carrying out other technical administrative tasks.

(iii) Major work of ITMUs generally includes:

- Developing IT plans and schedules to meet policy objectives;
- Prioritising IT demand and resource allocation;
- Delivering IT solutions by suitable adoption of insourcing/outsourcing arrangements;
- Participating in the development of systems across government departments; and
- Liaising with OGCIO on service-wide IT matters including IT standards, central IT services, IT security policy and guidelines, as well as professional development of government IT professionals.

(v) OGCIO does not keep record of the payroll expenses and the number of posts in each ITMU.

(vi) The list of major IT projects currently undertaken by the B/Ds and the related staff deployment are at **Annex 2**.

(2) (i), (iii) and (v) B/Ds would designate senior officer of an appropriate grade to assume the role of ITMU heads, taking into account their policy objectives as well as the scale of their businesses and IT strategies. ITMU heads involve different grades of officers and the majority of them are civil servants and on permanent establishment. Details of their ranks, nature of employment terms and nature of their posts are at **Annex 1**.

(ii) The means of recruitment for ITMU heads depends on the requirements and procedures of the respective grades. The filling of ITMU heads taken up by AP Grade will be arranged by OGCIO whilst the filling of those taken up by other grades will be arranged by the B/Ds concerned.

(iv) For those ITMU heads who are members of the AP Grade, they normally possess a degree in IT or equivalent, or have substantial experience in the

IT field. For those ITMU heads who are of other grades, they have extensive knowledge of the business domains of the B/Ds concerned and are acquainted with adopting IT to support the policy objectives and the needs of the B/Ds concerned.

- (3) The ITMU is responsible for IT planning, management, implementation and operation for the respective B/D, as well as overseeing and coordinating all activities under the entire IT portfolio of the B/D. The composition and scale of the ITMU may vary with its IT portfolio, work complexity and the extent of IT outsourcing. B/D would consult OGCIIO on the structure and manpower establishment of its ITMU and review it regularly to ensure that it has the capability and capacity to cope with its work.
- (4) Depending on its actual manpower requirements, B/D may bid resources in the annual Resource Allocation Exercise for adjusting the size of its ITMU as appropriate to meet new operational needs.

Information of the IT Management Units (ITMUs) under various Bureaux/Departments (B/Ds)

	B/D	Number of Staff in ITMU					ITMU Head		
		IT Professional Grade Staff		Civil Servant (Including all Grades)	Non-Civil Service Contract Staff^	Directorate Officer	Rank @	Nature of Employment Terms (C / N) *	Nature of Staff Post (P / S) #
		Analyst/ Programmer Grade	Computer Operator Grade						
1.	Agriculture, Fisheries and Conservation Department	4	-	6	-	-	Senior Systems Manager	C	P
2.	Audit Commission	-	-	4	1	1	Principal Auditor	C	P
3.	Buildings Department	10	-	26	-	-	Senior Structural Engineer	C	P
4.	Census and Statistics Department	26	5	67	4	1	Assistant Commissioner	C	P
5.	Chief Secretary for Administration's Office (Administration Wing)	11	2	13	-	-	Senior Systems Manager	C	P
6.	Civil Aviation Department	-	-	3	-	1	Chief Electronic Engineer	C	P
7.	Civil Engineering and Development Department	1	-	10	-	-	Senior Engineer	C	P
8.	Civil Service Bureau	10	2	12	-	-	Senior Systems Manager	C	P

		Number of Staff in ITMU					ITMU Head		
	B/D	IT Professional Grade Staff		Civil Servant (Including all Grades)	Non-Civil Service Contract Staff^	Directorate Officer	Rank @	Nature of Employment Terms (C / N) *	Nature of Staff Post (P / S) #
		Analyst/ Programmer Grade	Computer Operator Grade						
9.	Companies Registry	16	12	28	-	-	Senior Systems Manager	C	P
10.	Constitutional and Mainland Affairs Bureau	2	-	3	-	-	Chief Executive Officer	C	P
11.	Correctional Services Department	9	4	13	-	-	Senior Systems Manager	C	P
12.	Customs and Excise Department	32	22	54	-	-	Senior Systems Manager	C	P
13.	Development Bureau (Planning and Lands Branch)	4	-	6	-	-	Chief Executive Officer	C	P
14.	Development Bureau (Works Branch)	5	3	8	-	-	Systems Manager	C	P
15.	Drainage Services Department	3	-	7	4	-	Senior Engineer	C	P
16.	Education Bureau	31	2	33	-	1	Chief Systems Manager	C	P
17.	Electrical and Mechanical Services Department	1	-	1	2	-	Systems Manager	C	P

		Number of Staff in ITMU					ITMU Head		
	B/D	IT Professional Grade Staff		Civil Servant (Including all Grades)	Non-Civil Service Contract Staff^	Directorate Officer	Rank @	Nature of Employment Terms (C / N) *	Nature of Staff Post (P / S) #
		Analyst/ Programmer Grade	Computer Operator Grade						
18.	Environmental Protection Department	5	3	24	-	-	Senior Environmental Protection Officer	C	P
19.	Financial Services and the Treasury Bureau (The Treasury Branch)	3	-	5	-	-	Systems Manager	C	P
20.	Fire Services Department	-	-	24	5	-	Senior Divisional Officer	C	P
21.	Food and Environmental Hygiene Department	14	11	31	8	-	Senior Systems Manager	C	P
22.	Food and Health Bureau	3	-	4	-	1	Principal Management Services Officer	C	P
23.	Government Logistics Department	4	4	8	-	-	Senior Systems Manager	C	P
24.	Department of Health	16	4	23	-	1	Assistant Director	C	S
25.	Highways Department	2	-	17	-	-	Senior Engineer	C	P
26.	Home Affairs Bureau	5	-	6	-	-	Systems Manager	C	P

	B/D	Number of Staff in ITMU					ITMU Head		
		IT Professional Grade Staff		Civil Servant (Including all Grades)	Non-Civil Service Contract Staff^	Directorate Officer	Rank @	Nature of Employment Terms (C / N) *	Nature of Staff Post (P / S) #
		Analyst/ Programmer Grade	Computer Operator Grade						
27.	Home Affairs Department	5	1	9	3	-	Chief Executive Officer	C	P
28.	Hong Kong Observatory	12	-	13	-	-	Senior Scientific Officer	C	P
29.	Hong Kong Police Force	96	52	148	-	1	Chief Systems Manager	C	P
30.	Housing Department	47	25	84	95	1	Chief Systems Manager	C	P
31.	Immigration Department	55	77	132	-	1	Chief Systems Manager	C	P
32.	Independent Commission Against Corruption	-	-	52	-	-	Senior Commission Against Corruption Officer	C	P
33.	Information Services Department	4	2	7	-	-	Senior Systems Manager	C	P
34.	Inland Revenue Department	30	41	111	-	1	Chief Systems Manager	C	P
35.	Intellectual Property Department	3	-	3	-	-	Senior Systems Manager	C	P

		Number of Staff in ITMU					ITMU Head		
	B/D	IT Professional Grade Staff		Civil Servant (Including all Grades)	Non-Civil Service Contract Staff^	Directorate Officer	Rank @	Nature of Employment Terms (C / N) *	Nature of Staff Post (P / S) #
		Analyst/ Programmer Grade	Computer Operator Grade						
36.	Invest Hong Kong	1	-	1	3	-	Systems Manager	C	S
37.	Judiciary	32	2	44	-	1	Chief Systems Manager	C	P
38.	Department of Justice	10	-	22	1	-	Senior Systems Manager	C	P
39.	Labour and Welfare Bureau	4	-	4	-	-	Systems Manager	C	P
40.	Labour Department	9	2	11	-	-	Senior Systems Manager	C	P
41.	Land Registry	18	15	38	3	-	Senior Systems Manager	C	P
42.	Lands Department	4	-	4	-	-	Systems Manager	C	P
43.	Legal Aid Department	3	1	7	-	-	Senior Systems Manager	C	P
44.	Leisure and Cultural Services Department	29	16	52	28	1	Chief Systems Manager	C	P
45.	Marine Department	15	-	19	-	-	Senior Systems Manager	C	S

	B/D	Number of Staff in ITMU					ITMU Head		
		IT Professional Grade Staff		Civil Servant (Including all Grades)	Non-Civil Service Contract Staff^	Directorate Officer	Rank @	Nature of Employment Terms (C / N) *	Nature of Staff Post (P / S) #
		Analyst/ Programmer Grade	Computer Operator Grade						
46.	Office of the Communications Authority and Office for Film, Newspaper and Article Administration	-	-	-	13	-	Senior IT Manager	N	Not applicable
47.	Office of the Government Chief Information Officer (OGCIO)	17	4	23	-	1	Chief Systems Manager	C	P
48.	B/Ds receiving communal ITMU services from OGCIO ⊕	22	-	22	-	-	Senior Systems Manager	C	P
49.	Official Receiver's Office	5	-	5	-	-	Systems Manager	C	P
50.	Planning Department	12	-	12	3	-	Senior Systems Manager	C	P
51.	Post Office	16	-	24	42	1	Chief Systems Manager	C	P
52.	Radio Television Hong Kong	-	-	2	6	-	Chief Technical Officer	C	P
53.	Rating and Valuation Department	19	13	32	15	-	Senior Systems Manager	C	P

		Number of Staff in ITMU					ITMU Head		
	B/D	IT Professional Grade Staff		Civil Servant (Including all Grades)	Non-Civil Service Contract Staff^	Directorate Officer	Rank @	Nature of Employment Terms (C / N) *	Nature of Staff Post (P / S) #
		Analyst/ Programmer Grade	Computer Operator Grade						
54.	Registration and Electoral Office	6	-	9	6	-	Senior Systems Manager	C	P
55.	Security Bureau	12	-	12	-	-	Senior Systems Manager	C	P
56.	Social Welfare Department	29	1	49	3	1	Principal Social Work Officer	C	P
57.	Trade and Industry Department	11	10	27	1	-	Senior Systems Manager	C	P
58.	Transport and Housing Bureau	4	-	4	-	-	Systems Manager	C	P
59.	Transport Department	8	8	25	-	1	Assistant Commissioner	C	P
60.	The Treasury	32	29	67	1	-	Senior Systems Manager	C	P
61.	Water Supplies Department	3	1	18	2	-	Senior Electrical Engineer	C	P
62.	Working Family and Student Financial Assistance Agency (Student Finance Office)	12	-	15	21	-	Senior Systems Manager	C	P

	B/D	Number of Staff in ITMU					ITMU Head		
		IT Professional Grade Staff		Civil Servant (Including all Grades)	Non-Civil Service Contract Staff [^]	Directorate Officer	Rank @	Nature of Employment Terms (C / N) *	Nature of Staff Post (P / S) #
		Analyst/ Programmer Grade	Computer Operator Grade						
63.	Working Family and Student Financial Assistance Agency (Working Family Allowance Office)	7	-	8	-	-	Senior Systems Manager	C	P

Note

- [^] Excluding the services of IT contract staff engaged under term contracts (or known as T-contract staff)
- @ ITMU heads of B/Ds involve different grades, among which Chief Systems Manager, Senior Systems Manager and Systems Manager are ranks under the Analyst/Programmer Grade
- * Nature of employment terms
C – Civil Servant
N – Non-Civil Service Contract Staff
- # Nature of staff post
P – Permanent Establishment
S – Supernumerary Establishment
- ⊕ Architectural Services Department, Chief Executive’s Office, Commerce and Economic Development Bureau (Communications and Creative Industries Branch), Create Hong Kong, Efficiency Office, Financial Services and the Treasury Bureau (Financial Services Branch), Government Laboratory, Government Property Agency, Innovation and Technology Bureau, Innovation and Technology Commission, Ombudsman, Policy Innovation and Co-ordination Office

Major IT projects currently undertaken by Bureaux/Departments (B/Ds) and the staff deployment

	B/D	Project	Project Details	Staff Deployment*
1.	Buildings Department	Electronic Submission Hub (ESH)	To develop ESH for centralised processing of electronic building plans and documents, as well as other applications under the Buildings Ordinance as an alternative to the present paper-based system.	Analyst/Programmer Grade staff: 3 Non-Analyst/Programmer Grade staff: 8
2.	Census and Statistics Department	Information Technology Equipment and Services for the 2021 Population Census	To acquire information technology equipment and services for conducting the 2021 Population Census.	Analyst/Programmer Grade staff: 5 (partly redeployed from existing staff resources) Contract staff: 6
3.	Correctional Services Department	Replacement of Core Information Technology Systems with the Integrated Custodial and Rehabilitation Management System (iCRMS)	To replace the existing eight core operational systems of the Correctional Services Department by an enhanced, integrated system, namely the iCRMS for enhancing efficiency and supporting future service expansion.	Analyst/Programmer Grade staff: 4 Contract staff: 6
4.	Food and Health Bureau (Health Branch)	Development of a territory-wide Electronic Health Record Sharing System (eHRSS)	eHRSS is an information infrastructure to enable healthcare providers in both the public and private sectors, upon informed consent of a patient and proper authorisation, to view and share the patient's electronic health records.	Analyst/Programmer Grade staff: 7 Contract staff: 5

	B/D	Project	Project Details	Staff Deployment*
5.	Government Logistics Department	Replacement of the Procurement and Contract Management System (PCMS) and the Unallocated-Store Program	To replace the existing PCMS and Unallocated-Store Program, equipping them with new and enhanced functions.	Analyst/Programmer Grade staff: 1 Contract staff: 3
6.	Department of Health	Information Technology Enhancement Project of the Department of Health (DH)	To implement a department-wide IT enhancement project to improve DH's delivery of clinical and healthcare services and performance of regulatory functions, streamline its workflows to increase efficiency, and transform itself into a data-driven public organisation.	Analyst/Programmer Grade staff: 4 Non-Analyst/Programmer Grade staff: 2 with additional contract staff
7.	Hong Kong Police Force	Development of the Second Generation of Communal Information System (CIS)	To develop the second generation of CIS to replace the existing system to meet evolving operational, legal, social and information technology requirements of the Hong Kong Police Force (HKPF). The new system will leverage the latest technology and ride on a new system architecture and design to resolve the limitations of the existing CIS and provide new features to further improve the operational efficiency of HKPF.	Redeployed from existing staff resources
8.	Hong Kong Police Force	Replacement of the Infrastructure Platform for the Police Operational Nominal Index Computer System and the Criminal Intelligence Computer System	To replace the existing infrastructure platform in order to maintain effective daily operation of law enforcement agencies and facilitate analysis of criminal activities.	Redeployed from existing staff resources

	B/D	Project	Project Details	Staff Deployment*
9.	Hong Kong Police Force	Replacement and Upgrade of the Information Technology Infrastructure and Applications of the Hong Kong Police Force	To replace and upgrade a total of 17 different infrastructural facilities and application systems to the next generation in order to ensure business continuity, meet future operational needs and enhance efficiency of Police operations and improve services to the public.	Redeployed from existing staff resources
10.	Immigration Department	Next Generation Application and Investigation Easy Systems (APPLIES-2)	To develop APPLIES-2 to replace the existing ageing computer system and enhance service delivery and operational efficiency.	Analyst/Programmer Grade staff: 45 man-months
11.	Intellectual Property Department	Redevelopment of the Electronic Processing System, E-filing System and Online Search System of the Intellectual Property Department	To update the outdated and ageing information systems in support of trade mark, patent registration, internal operations as well as electronic public services.	Analyst/Programmer Grade staff: around 8 man-months Contract staff: 163 man-months
12.	Judiciary	Implementation of Projects under the Information Technology Strategy Plan (ITSP) of the Judiciary	The ITSP of the Judiciary is a long-term information technology project seeking to enable the Judiciary to meet its long-term operational requirements. The ITSP covers the development of an integrated court case management system across all court levels and tribunals of the Judiciary, and non-court systems such as human resources management system and electronic information management system.	Analyst/Programmer Grade staff: 18 with additional contract staff

	B/D	Project	Project Details	Staff Deployment*
13.	Department of Justice	Implementation of a verified, authenticated and searchable electronic database of Hong Kong legislation	To implement a verified, authenticated and searchable electronic database of Hong Kong legislation, to replace the existing Loose-leaf Edition and Bilingual Laws Information System with an accurate and up-to-date online copy of Hong Kong legislation with legal status.	Analyst/Programmer Grade staff: around 32 man-months Contract staff: around 32 man-months
14.	Leisure and Cultural Services Department	Implementation of the SmartPLAY system for public leisure service in Hong Kong	To develop a new intelligent sports and recreation services booking and information system to replace the existing Leisure Link System.	Analyst/Programmer Grade staff: 237 man-months Contract staff: around 1 000 man-months
15.	Leisure and Cultural Services Department	Implementation of the Smart Library System for the Hong King Public Libraries	To develop a new Smart Library System to replace the existing library systems so as to enhance the quality, cost-effectiveness and customer friendliness of the facilities and services of the Hong Kong Public Libraries (HKPL) in promoting city-wide reading culture and supporting Hong Kong's development as a smart city.	Analyst/Programmer Grade staff: 288 man-months Contract staff: around 1 000 man-months
16.	Office of the Government Chief Information Officer	Centrally Managed Messaging Platform (CMMP)	To implement CMMP to replace the decentralised email systems currently in operation in B/Ds.	Analyst/Programmer Grade staff: 9 Contract staff: 18
17.	Office of the Government Chief Information Officer	Digital Transformation for Agile Delivery of e-Government Services	To implement the next generation government cloud infrastructure and big data analytics platform to support agile delivery of e-Government services.	Analyst/Programmer Grade staff: 15 Contract staff: 16

	B/D	Project	Project Details	Staff Deployment*
18.	Office of the Government Chief Information Officer	Implementation of a Government Cloud Platform	To implement a Government Cloud Platform to support the hosting of common e-Government services for shared use by B/Ds.	Analyst/Programmer Grade staff: 1 Computer Operator Grade staff: 4 Contract staff: 3
19.	Office of the Government Chief Information Officer	Wi-Fi Connected City	To implement the Wi-Fi Connected City programme by providing free public Wi-Fi services in selected government venues through a combination of public-private collaboration and government-funded arrangements.	Analyst/Programmer Grade staff : 475 man-months Computer Operator Grade staff: 36 man-months Contract staff: 600 man-months
20.	Office of the Government Chief Information Officer	Electronic Identity (eID)	To set up a one-stop eID system to provide an eID for all Hong Kong residents, enabling them to use a single digital identity and authentication to conduct government and commercial transactions online.	Analyst/Programmer Grade staff: 330 man-months Contract staff: 252 man-months
21.	Social Welfare Department	Redevelopment of Client Information System (CIS)	To redevelop the CIS with the aid of advanced technologies to increase operational efficiency and meet with the changes driven by the significant expansion of social services as well as the adoption of new service delivery modes in recent years.	Non-Analyst/Programmer Grade staff: 3 Contract staff: 73

	B/D	Project	Project Details	Staff Deployment*
22.	Social Welfare Department	Redevelopment of Service Performance Management Information System (SPMIS)	To redevelop the SPMIS with the aid of advanced technologies to increase operational efficiency in service performance management and meet with the changes driven by the significant expansion of social services as well as the adoption of new service delivery modes in recent years.	Non-Analyst/Programmer Grade staff: 2 Contract staff: 31
23.	Transport Department	Development of the Traffic and Incident Management System (TIMS)	TIMS is a computerised system to enable automatic incident detection, generate suggested traffic and transport contingency plans, provide a common view of traffic information to stakeholders, streamline the dissemination of traffic and transport information to the public, and coordinate existing and future Traffic Control and Surveillance Systems.	Contract staff: 3
24.	Transport Department	Upgrading of the Transport Information System (TIS)	The hardware and software of the existing TIS, launched in 2008, are outdated and certain hardware spare parts are unavailable for maintenance. Moreover, security patches are not available for some outdated software putting TIS' security at risk. The upgrade of the TIS is essential to extend its service life and enhance the system performance.	Contract staff: 9
25.	Working Family and Student Financial Assistance Agency (Student Finance Office) (SFO)	Integrated Student Financial Assistance System (ISFAST)	ISFAST is an integrated function-based computer system which will replace the existing 6 scheme-based computer systems in phases, covering the operation of all the 14 student financial assistance schemes as well as 23 publicly-funded and privately-donated scholarship, merit award and related schemes currently administered by SFO.	Analyst/Programmer Grade staff: 9 Contract staff: 55

Note

* The staff deployments do not include outsourcing contractor staff

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