## ITEM FOR ESTABLISHMENT SUBCOMMITTEE OF FINANCE COMMITTEE

- HEAD 33 CIVIL ENGINEERING AND DEVELOPMENT DEPARTMENT
- HEAD 47 GOVERNMENT SECRETARIAT: OFFICE OF THE GOVERNMENT CHIEF INFORMATION OFFICER
- HEAD 135 GOVERNMENT SECRETARIAT: INNOVATION AND TECHNOLOGY BUREAU
- HEAD 142 GOVERNMENT SECRETARIAT: OFFICES OF THE CHIEF SECRETARY FOR ADMINISTRATION AND THE FINANCIAL SECRETARY

**Subhead 000 Operational Expenses** 

Members are invited to recommend to Finance Committee the following proposals with effect from 1 April 2018 or with immediate effect upon approval of the Finance Committee, whichever is later –

### Creation and deletion of permanent posts -

- (a) the creation of the following permanent posts under **Head 135 Government Secretariat:**Innovation and Technology Bureau
  - (i) 2 Administrative Officer Staff Grade C (D2) (\$164,500 \$179,850)
  - (ii) 1 Head, Efficiency Unit (D4) (\$217,100 - \$230,350)
    - 1 Administrative Officer Staff Grade B (D3) (\$191,300 \$208,800)

- 1 Deputy Head, Efficiency Unit (D3) (\$191,300 \$208,800)
- 2 Administrative Officer Staff Grade C (D2) (\$164,500 \$179,850)
- 3 Assistant Director of Management Services
  - (D2) (\$164,500 \$179,850)
- 2 Principal Management Services Officer (D1) (\$138,500 \$151,550)
- 1 Principal Executive Officer (D1) (\$138,500 \$151,550)

to be offset by the deletion of the same permanent posts under –

### Head 47 Government Secretariat: Office of the Government Chief Information Officer

- 1 Administrative Officer Staff Grade B (D3) (\$191,300 \$208,800)
- 1 Administrative Officer Staff Grade C (D2) (\$164,500 \$179,850)

## Head 142 Government Secretary: Offices of the Chief Secretary for Administration and the Financial Secretary

- 1 Head, Efficiency Unit (D4) (\$217,100 - \$230,350)
- 1 Deputy Head, Efficiency Unit (D3) (\$191,300 \$208,800)

- 1 Administrative Officer Staff Grade C (D2) (\$164,500 \$179,850)
- 3 Assistant Director of Management Services

(D2) (\$164,500 - \$179,850)

- 2 Principal Management Services Officer (D1) (\$138,500 \$151,550)
- 1 Principal Executive Officer (D1) (\$138,500 \$151,550)
- (b) the creation of the following permanent post under **Head 47 Government Secretariat:**Office of the Government Chief Information Officer
  - 1 Chief Systems Manager (D1) (\$138,500 \$151,550)
- (c) the creation of the following permanent post under **Head 33 Civil Engineering and Development Department** 
  - 1 Chief Engineer (D1) (\$138,500 \$151,550)

### Revision and Redistribution of duties and responsibilities

(d) some revision and redistribution of duties and responsibilities among directorate posts in Office of the Government Chief Information Officer and Innovation and Technology Bureau

#### **PROBLEM**

The Innovation and Technology Bureau (ITB), Office of the Government Chief Information Officer (OGCIO) and Civil Engineering and Development Department (CEDD) need to strengthen manpower support to cope with increasing workload, including fostering innovation and technology (I&T) development, smart city development, as well as Lok Ma Chau Loop Area development and the relevant public works. We also have to strengthen the structure of ITB to more effectively fulfil its policy objectives, through transferring to ITB some of the staff from OGCIO and the Efficiency Unit (EU), currently under the Chief Secretary for Administration's Office (CSO).

#### **PROPOSAL**

- 2. To more effectively promote the development of I&T, we propose the following with effect from 1 April 2018 or with immediate effect upon approval of the Finance Committee, whichever is later
  - (a) re-organisation of ITB, including:
    - (i) transfer a permanent Administrative Officer Staff Grade B (AOSGB) (D3) post and a permanent Administrative Officer, Staff Grade C (AOSGC) (D2) post currently responsible for handling policy matters in OGCIO and eight non-directorate permanent posts providing relevant support, to the establishment of ITB;
    - (ii) redistribute duties and responsibilities among the relevant directorate posts in OGCIO and ITB consequential to the transfer as set out in (i) above;
    - (iii) EU<sup>1</sup>, with nine directorate posts<sup>2</sup> and 90 non-directorate posts<sup>3</sup> be transferred from CSO to the establishment of ITB; and
    - (iv) making corresponding changes to the civil service establishment of ITB, OGCIO and CSO consequential to the proposed re-organisation.

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Including the Business Facilitation Division (BFD) to be transferred from the Economic Analysis and Business Facilitation Unit to EU (see paragraph 11).

Including one Head, EU (D4) post, one Deputy Head, EU (D3) post, one AOSGC (D2) post, three Assistant Director of Management Services (ADMS) posts (D2), two Principal Management Services Officer (PMSO) posts and one Principal Executive Officer (PEO) post (D1).

Including two posts to be created in 2018-19.

(b) creation of four additional permanent directorate posts for implementing new initiatives of ITB such as the 'Hong Kong-Shenzhen Innovation and Technology Park' (the Park) at the Lok Ma Chau Loop and smart city, details include:

- (i) two AOSGC (D2) posts in ITB;
- (ii) a Chief Systems Manager (CSM) (D1) post in OGCIO;
- (iii) a Chief Engineer (CEng) (D1) post in CEDD.

#### **JUSTIFICATIONS**

#### **Insufficient Manpower in ITB**

- 3. ITB was established in November 2015 and is responsible for formulating comprehensive policies to drive Hong Kong's I&T development, thereby promoting diversified economic development, enhancing Hong Kong's competitiveness and improving people's daily living. The Innovation and Technology Commission (ITC) and OGCIO under ITB are responsible for implementing various measures to achieve ITB's policy objectives. In the past two years, ITB, ITC and OGCIO have been carrying out various measures to drive I&T development. These measures include promoting technology research and development (R&D); encouraging co-operation with Mainland and overseas institutions; promoting 're-industrialisation'; supporting start-ups; assisting the upgrading and transformation of small and medium enterprises; promoting a Wi-Fi connected city; developing smart city; promoting big data application; and using I&T to improve public services and daily living of citizens, etc.
- 4. The Chief Executive (CE) announced in the new Policy Address (PA) that the Government would further step up its efforts to develop I&T in eight major areas, including: (a) increasing resources for R&D; (b) pooling together technology talent; (c) providing investment funding; (d) providing technological research infrastructure; (e) reviewing existing legislations and regulations; (f) opening up Government data; (g) Government to lead changes to procurement arrangements; and (h) strengthening popular science education. In addition, the Government will also actively promote the development of smart city with a view to making Hong Kong a more liveable city. CE also announced transferring EU to ITB, and to personally chair a 'Steering Committee on Innovation and Technology', in order to drive I&T development in Hong Kong at the highest level and effort.
- 5. Apart from the Permanent Secretary and the Deputy Secretary, there is only one AOSGC in ITB at present to handle all policy work relating to I&T, supported by two Senior Administrative Officers and one Administrative Officer.

The policy work relating to I&T includes: assisting in formulating policies and coordinating various relevant measures, coordinating the work of ITC and OGCIO under ITB, handling Legislative Council (LegCo) business, assisting in seniors' attendance at various meetings and drafting documents and speeches, as well as implementing the 'Innovation and Technology Fund for Better Living', etc. This level of workload has far exceeded the capacity of the officer. Moreover, the new initiatives announced in PA are mainly led by ITB (including fostering smart city development, providing enhanced tax deduction for expenditure incurred on R&D, planning the setting up of key technology collaborative platforms, serving as the Secretariat to the 'Steering Committee on Innovation and Technology', developing the Park, collaboration with the Mainland in I&T (e.g. the development of an international I&T hub in the Guangdong-Hong Kong-Macao Bay Area), etc). The present limited manpower in ITB, particularly at AOSGC level, is insufficient to cope with such an overwhelming amount of workload. Against the above, we see the need to strengthen the structure of ITB and create additional directorate posts to cope with the increasing workload as deliberated in the ensuing paragraphs.

### Re-organisation of ITB to Strengthen Support for Policy Formulation and Implementation

Deploying Resources from OGCIO

- 6. At present, the AOSGB post in OGCIO, designated as Deputy Government Chief Information Officer (Policy and Industry Development) (DGCIO(PID)), is mainly responsible for coordinating and implementing policies relating to the information and communications technology (ICT) sector, housekeeping Cyberport, implementing digital inclusion, developing data centre, smart city and other measures. He is underpinned by one AOSGC (D2) (designated as Assistant Government Chief Information Officer (Policy and Support)) and one Assistant Government Chief Information Officer (Industry Development)).
- 7. With the establishment of ITB and the rapid development of digital economy, the responsibility of formulating and driving ICT policies and measures has become more important. In view of such and the establishment of a 'Smart City Office' (SCO) (paragraph 21 below), we see the need to deploy the existing DGCIO(PID) and AGCIO(Policy and Support) under OGCIO to ITB to become the new Deputy Secretary for Innovation and Technology (2) (DS(IT)2) and Principal Assistant Secretary for Innovation and Technology (3) (PAS(IT)3). These two directorate posts and eight non-directorate posts deployed from OGCIO will

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Including one Senior Administrative Officer post, two Administrative Officer posts, one Executive Officer I post, two Personal Secretary I posts, one Personal Secretary II post and one Assistant Clerical Officer post.

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form a new policy team to provide policy support on the overall development of ICT and OGCIO's operation. The new policy team will also be responsible for monitoring the operation of Cyberport. The steering and monitoring work of the proposed Head/SCO as mentioned in paragraph 21 below will also rest with Encls. DS(IT)2. The proposed job descriptions of DS(IT)2 and PAS(IT)3 and proposed organisation chart of the new policy team in ITB are at Enclosures 1 to 3.

8. The above mentioned arrangement will rationalise the distribution of work between ITB and OGCIO: ITB will be responsible for formulating policies and OGCIO will focus on the implementation of various strategic projects (e.g. electronic identity (eID) and big data analytics platform) and technology application systems (e.g. cloud computing and data centres) and scaling up e-Government services development, including providing professional advice and technical support to other departments. In the course of formulating relevant policies, OGCIO will provide advice and support on technology and industry-related issues to ITB. Taking into account operational needs and new policy directives, the responsibilities of all the AGCIOs will be redistributed with the deployment of directorate posts to ITB so that the workload will be distributed more evenly, thereby achieving better collaboration. The proposed organisation chart of OGCIO (including the proposed CSM (Data Analytics) post in paragraph 22 below) and the revised job descriptions of all the AGCIOs are at Enclosures 4 to

Joining of EU

1 - 3

Encls.

4 - 8

- 9. With its team of professionals and network of external partners, EU has been supporting bureaux/departments (B/Ds) to enhance operational efficiency and providing convenient public services to citizens. In the process, the application of technology has become increasingly important. CE announced in PA that EU will be transferred from CSO to ITB, so as to build a stronger team to further promote innovation among Government departments and provide convenient services to the public.
- EU is now led by an AOSGB1 (D4), who is supported by 10. seven directorate<sup>5</sup> and 80 non-directorate officers<sup>6</sup>. EU has been enhancing the consultancy function of the Management Services Officer grade, building capacity in the use of design thinking, co-creation, intrapreneurship and agile development methods to drive innovation in its projects. Through its work on the 'Social

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Including one Deputy Head, EU (D3), one AOSGC (D2), two ADMS (D2), two PMSO (D1) and one PEO (D1).

Excluding two posts to be created in 2018-19.

Innovation and Entrepreneurship Development Fund', EU has accumulated experience in applying various collaborative business models and technologies to address social needs. 1823 has also been using data analytics and experimenting with new technologies to improve services. EU's Youth Portal has also been continuously using technologies to provide new services to help departments engage with their staff and stakeholders.

- 11. Apart from the above, BFD currently under the Economic Analysis and Business Facilitation Unit of the Financial Secretary's Office (FSO), has been supporting B/Ds to enhance regulatory efficiency and optimising the licensing services. Having regard to the similarities of EU and BFD in terms of job nature, as well as the professional knowledge and skill sets required, BFD (including an ADMS post (D2) and eight non-directorate civil service posts) will be transferred to EU and the augmented EU is proposed to be put under ITB. The relevant arrangement can help rationalise the work of the two offices, thereby achieving synergy and increasing efficiency.
- 12. Upon joining ITB, the augmented EU will review its work priority, aiming for better use of resources to drive technology application, foster innovation and collaboration, use design thinking and creativity, streamline procedures to assist B/Ds to improve services, effectiveness and service innovation, and foster smart city development. The transferred EU will be renamed as 'Efficiency Office', whereas the post of Head, Efficiency Unit will be renamed as 'Commissioner for Efficiency'. The proposed job descriptions of directorate posts and the proposed organisation chart of the Efficiency Office, as well as the details on the civil service posts to be transferred to the ITB, are at Enclosures 9 to 19.

### **Additional Directorate Posts for New Initiatives**

Development of the Park

13. Since the signing of the relevant Memorandum of Understanding with the Shenzhen Municipal People's Government in January 2017, the HKSAR Government has been actively developing the Park at the Lok Ma Chau Loop. The Park will be developed with I&T as the main focus, where a key base for cooperation in scientific research, and relevant higher education, creative and cultural and other complementary facilities will be set up. The 87-hectare Loop is four times the size of the Hong Kong Science Park. The Park will provide a maximum total gross floor area of 1.2 million square metres, which will be the largest I&T platform ever established in the history of Hong Kong and the most important infrastructure for driving R&D and 're-industrialisation'. ITB is responsible for coordinating the relevant development in the areas of land, public

works, R&D, higher education, culture and creativity, immigration arrangement, scientific research cooperation with overseas and the Mainland, etc. A significant amount of work on policy collaboration, liaison and communication is necessary. To develop the Park, Hong Kong and Shenzhen have formed a 'Joint Task Force on the Development of the HK-Shenzhen Innovation and Technology Park in the Loop' (Joint Task Force) to conduct discussions and consultations on major items. Two Joint Task Force meetings and a number of informal meetings were held this year. ITB is responsible for the secretarial work of the Joint Task Force.

- 14. In October 2017, the Hong Kong Science and Technology Parks Corporation (HKSTPC) established a wholly-owned subsidiary, the 'Hong Kong-Shenzhen Innovation and Technology Park Limited' (HKSZITPL), to build, operate, maintain and manage the superstructure of the Park. ITB and ITC will liaise with HKSTPC and work together with relevant Government departments to ensure the smooth implementation of the development project.
- 15. We see the need to create a permanent AOSGC (D2) post, designated as Principal Assistant Secretary for Innovation and Technology (2). The officer, supported by a team of four non-directorates<sup>7</sup>, will be responsible for handling issues relating to the development of the Park, the development of an international I&T hub in the Bay Area and other I&T collaboration matters with the Mainland. The officer will also be responsible for managing the \$500 million block allocation<sup>8</sup> under ITB to support the use of I&T by B/Ds to improve public services. The proposed job description of the post is at Enclosure 20.

#### Public Works at Lok Ma Chau Loop

16. According to the Memorandum of Understanding mentioned in paragraph 13 above, the HKSAR Government will be responsible for the construction of the infrastructure within the Loop (including site formation and infrastructural facilities) and the provision of supporting infrastructural facilities outside the Loop which are necessary to the development of the Loop and its surrounding areas, and will lease the formed land within the Loop to HKSTPC for the development of the Park. CEDD will be responsible for carrying out the detailed design and construction of these infrastructure and associated works.

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Encl. 20

Non-directorate posts created in parallel include one Administrative Officer post and one Personal Secretary I post to support the Principal Assistant Secretary (2), as well as one Executive Officer I post and one Assistant Clerical Officer post to enhance administrative service.

<sup>&</sup>lt;sup>8</sup> At present, the block allocation is directly managed by the Deputy Secretary for Innovation and Technology (D3).

17. The Loop covers a large area. Apart from site formation and other infrastructure works such as roads, water supply, drainage, sewerage and sewage treatment works, a range of environmental mitigation initiatives (e.g. land decontamination, establishment of an ecological area, off-site ecological and environmental mitigation measures) will need to be implemented by CEDD in accordance with the recommendations of the 'Planning and Engineering Study on the Development of Lok Ma Chau Loop' completed in 2014. We now aim at providing the first batch of land parcels to HKSZITPL for construction of the buildings by 2021. CEDD plans to proceed with the construction of Advance Works and detailed design of Main Works Package 1 (MWP1) in mid-2018 subject to funding approval by LegCo. The statutory procedures of the road works under Advance Works have been completed, and the preparation work for MWP1 is also being carried out in parallel.

- 18. The scale of the Park project is large and its nature is complex involving implementation in phases over a long period of time. There is a need to actively interact with HKSTPC and its subsidiary company during the implementation of the above works. In order to ensure timely completion of such works to support the Park development, CEDD will need to create a permanent CEng (D1) post to lead a dedicated project division for the overall project management and coordination of the infrastructure and associated works. The CEng will direct and manage the planning and implementation of all consultancies and construction contracts; coordinate with the MTR Corporation Limited (for matters relating to the proposed direct link connecting the Loop with the existing MTR Lok Ma Chau Station), Shenzhen authorities (for matters relating to the treatment of river sediments in Shenzhen River near the Loop) and relevant B/Ds during the works implementation; and handle all interface issues between the works under the Loop development project and other projects in the vicinity.
- 19. At present, the manpower of CEng is tight in CEDD. It is impossible for the existing CEngs to handle the increasing workload of the complex Loop development project. The Lok Ma Chau Loop is currently a piece of green field land without any infrastructural facilities. From our experience of developing large scale land development projects like new towns, it will take a long time to carry out the above site formation and infrastructure works from initial design phase to completion of full development. The subject CEng is responsible for the consultation, communication and coordination with the locals/green groups in driving forward the works. Furthermore, he/she is also involved in applying funding from LegCo in a timely manner to kick-start the works. Even after

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The non-directorate professional posts for the division will include two existing posts (i.e. one Senior Engineer post and one Engineer/Assistant Engineer post) and seven new posts to be created (i.e. one Senior Engineer post, five Engineer/Assistant Engineer posts, and one Landscape Architect/Assistant Landscape Architect post).

completion of the infrastructure works, the dedicated division is still required to be in place to monitor, coordinate and carry out all the needed infrastructural improvements to complement the long-term development of the Loop. Moreover, it is required to deal with and coordinate all the interfacing matters related to other long-term projects and developments in the areas, as well as works-related district administration matters for San Tin/Lok Ma Chau areas. We therefore consider it necessary to maintain on a long-term basis the CEng post to oversee, coordinate and handle the aforesaid complicated and urgent tasks related to the development of the Loop, to coordinate with other B/Ds on the various infrastructure works to support the Loop development and the interfacing projects and developments, as well as to oversee the works-related district administration matters. In view of the urgency of the Loop development project, CEDD has temporarily deployed CEng / West 1 (CE/W1) in the West Development Office to oversee the preparatory work for its Advance Works and the detailed design of MWP1. However, the original workload of CE/W1, including overseeing the Yuen Long South Development project which will be progressively implemented, is ever-increasing. It is practically not feasible for him to concurrently oversee the Loop development project. The job description of the proposed new CEng (designated as Chief

Engineer/West 5) is at Enclosure 21. The organisation chart of CEDD after Encl. 21 creation of the new post is at Enclosure 22. Encl. 22

### Smart City Development

- 20. In September 2016, OGCIO commissioned a consultancy study on smart city development in Hong Kong. The consultant submitted its report in June 2017, recommending a series of short-, medium- and long-term proposals under six areas, including 'Smart Mobility', 'Smart Living', 'Smart Environment', 'Smart People', 'Smart Government' and 'Smart Economy'. We have published a smart city blueprint that is in line with the situation in Hong Kong in December We will take forward three key infrastructure projects for smart city development, namely eID, multi-functional smart lampposts and reforming e-Government information systems. On the other hand, PA has announced the establishment of the 'Steering Committee on Innovation and Technology', which is chaired by CE, to steer and examine measures under the eight areas of I&T development and smart city projects, with a view to driving the I&T development of Hong Kong in a highly effective manner.
- As smart city development involves coordination of different B/Ds, 21. to take forward the relevant work effectively, we need to create a permanent AOSGC (D2) post in ITB to lead the new SCO comprising a team of five non-directorates 10. SCO will be responsible for coordinating various smart

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The newly created non-directorate posts in SCO include one Senior Systems Manager post, one Executive Officer I post, one Analyst/Programmer I post, one Personal Secretary I post and one Assistant Clerical Officer post.

city development projects, and serving as the secretariat to the 'Steering Committee on Innovation and Technology'. The proposed job description of the post is at Encl. 23 Enclosure 23. Apart from coordinating cross-bureau smart city projects, SCO will monitor the implementation of various projects (including the three major projects in paragraph 20 above) and conduct timely reviews. In addition, it will undertake publicity and promotion of smart city to attract more investments and talents from overseas and the Mainland to Hong Kong, thereby enhancing our competitiveness.

22. Data is an important basis of smart city development. forward the work on open data and data analytics more effectively, we consider it necessary to create a permanent post of CSM (D1) for OGCIO to lead the new Data Analytics Sub-division, which is responsible for advocating and supporting B/Ds to open up and share Government data, as well as to develop e-Government services which are data centric and make use of big data analytics. The proposed post, designated as CSM (Data Analytics) under the IT Infrastructure Division of OGCIO, will drive various open data and data analytics related initiatives in the Government, supporting smart city development and driving innovation. CSM (Data Analytics) will be supported by 25 non-directorate multi-disciplinary professional posts, including nine newly created non-directorate civil service posts<sup>11</sup>. As the relevant officer has to master the advanced technology in data science, the ever-changing applications, as well as the managerial and consultation skills required to work with B/Ds in different Government business domains, we consider it appropriate for a CSM (D1) to lead the relevant multi-disciplinary professionals. The job description of the proposed CSM (Data Analytics) post is at Enclosure 24.

#### **Proposed New Structure and Establishment of ITB**

After the creation of the two AOSGC (D2) posts and the 23. redeployment of AGCIO (Policy and Support) to ITB, the original AOSGC (D2) in ITB will concentrate on coordinating policy matters on promoting R&D, 're-industrialisation', supporting start-ups, technology talents, etc. The officer will also be responsible for carrying out policy research and formulation in new areas of I&T, fostering overseas (excluding by definition the Mainland) co-operation on I&T matters, coordinating the work of ITC, providing secretariat services to the Innovation, Technology and Re-industrialisation'. implementing the 'Innovation and Technology Fund for Better Living'. His post title will be renamed as Principal Assistant Secretary for Innovation and Technology (1). The job descriptions of the relevant post before and after the re-organisation are at Enclosures 25 and 26.

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Encl. 24

Encl. 25

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Including one Senior Systems Manager post, two Systems Manager posts, two Analyst/Programmer I posts, two Analyst/Programmer II posts, one Statistician post and one Statistical Officer II post.

Currently, ITB has an establishment of 58 civil service posts, including four directorate posts. If the abovementioned proposal on re-organisation and creation of posts is implemented, ITB's establishment will be increased by 120 in 2018-19, including 13 directorate posts (including two new directorate permanent posts (paragraphs 15 and 21 above), nine permanent posts deployed from EU and BFD (paragraphs 10 and 11 above), as well as two permanent posts from OGCIO (paragraph 7 above)). The organisation chart of ITB after the re-organisation is at Enclosure 27

Encl. 27 re-orgnisation is at Enclosure 27.

25. After the implementation of the proposed restructuring, ITB will be able to strengthen its capacity in formulating comprehensive I&T policies, helping it collaborate with the partners in the industry, academia and the research sector to promote the development of I&T and related industries, with a focus on taking forward the development of the Park at Lok Ma Chau Loop and promoting smart city development. ITC will be responsible for infrastructure development, supporting applied R&D, fostering technology transfer and application and administering the Innovation and Technology Fund. OGCIO will be responsible for fostering the development of the ICT industry, ensuring Government cyber security, providing information technology and central services platform, and quality e-Government services. The Efficiency Office will be responsible for helping B/Ds improve public services and enhance efficiency. The Efficiency Office will also support ITB in rolling out the new initiatives announced in the PA, including assisting B/Ds to adopt wider use of technologies to improve service and effectiveness.

#### **Alternatives Considered**

- We have critically reviewed whether ITB, OGCIO and CEDD can redeploy internal resources to take up the new tasks. However, the existing Principal Assistant Secretary in ITB, all CSMs in OGCIO and all CEngs in CEDD are already fully engaged in their existing schedules (as set out in Enclosures 25, 4 and 22 respectively). In addition, the new tasks (including development of the Park at Lok Ma Chau Loop and smart city) are both important and long-term work. Therefore, we consider that redeployment is neither practicable nor desirable as a long term solution.
- We have also examined creating two 5-year supernumerary AOSGC posts and have consulted the LegCo Panel on Information Technology and Broadcasting (see paragraph 31 below). Having regard to the on-going nature of the responsibilities of the two AOSGCs and after carefully considering the views of Members, we consider it more appropriate to create two permanent AOSGC posts.

### **Financial Implications**

28. The proposed creation of four new permanent directorate posts and the additional 25 non-directorate supporting staff, will give rise to additional staff cost in terms of notional annual mid-point salary (NAMS) cost and full annual average staff cost (including salaries and staff on-cost), as summarised below –

Bureau/ Department	<u>Posts</u>	<u>Number</u>	<u>NAMS</u> ( <u>\$)</u>	Additional Full Annual Average Staff Cost (\$)
ITB	Directorate: AOSGC	2	4,189,200	5,832,000
	Non-directorate (see paragraph 15 and 21 above)	9	5,862,660	7,692,000
OGCIO	Directorate: CSM	1	1,765,200	2,542,000
	Non-directorate (see paragraph 22 above)	9	7,058,160	9,847,000
CEDD	Directorate: CEng	1	1,765,200	2,460,000
	Non-directorate (see paragraph 18 above)	7	5,861,700	9,709,000

- 29. Concerning the re-organisation of ITB, the additional annual salary provision involved in the deployment of the 11 directorate and 98 non-directorate posts to ITB amounts to around \$101,427,180. The additional full annual average staff cost (including salaries and staff on-cost) is \$143,552,000. The above additional requirement for ITB will be offset by a corresponding reduction in salary provision and staff cost under Heads of Expenditure of the CSO and FSO and OGCIO. This part of the proposal is therefore cost-neutral.
- 30. Relevant establishment changes and provisions required for the proposal will be included and reflected in the Estimates of 2018-19 of the expenditure heads involved.

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#### **Public Consultation**

31. We consulted the LegCo Panel on Information Technology and Broadcasting on the proposal, including the originally proposed creation of two 5-year supernumerary AOSGC posts in ITB for taking forward the initiatives of the Park as well as Smart City, on 13 November 2017. Members supported the proposal. Some Members suggested that the Government should revisit the long-term need of the two 5-year supernumerary AOSGC posts originally proposed in ITB, and consider if these two posts should be created on a permanent rather than a time-limited basis, given the on-going nature of the work involved.

#### **Establishment Changes**

32. The establishment changes under relevant Heads for the past two years are as follows —

	posts*						
Establishment (Note)	Existing (as at 1 December 2017)	as at 1 April 2017	as at 1 April 2016	as at 1 April 2015			
Head 33 Civil Engineering and Development Department							
A	51+(11) #	51+(7)	51+(6)	51+(6)			
В	648	631	618	599			
С	1168	1161	1151	1164			
Total	1867+(11)	1843+(7)	1820+(6)	1814+(6)			
Head 47 Government Secretariat: Office of the Government Chief Information Office							
A	16##	16	16	16			
В	145	140	135	133			
С	487	489	463	484			
Total	648	645	614	633			
Head 135 Government Secretariat: Innovation and Technology Bureau							
A	4##	4	4	_**			
В	11	9	6	_**			
С	36	29	21	_**			
Total	51	42	31	_**			
Head 142 Government Secretariat: Offices Of The Chief Secretary For Administration							
And The Financial Secretary							
A	30 + (1) ##	30 + (4)	29 + (3)	29 + (4)			
В	130	127	124	124			
С	399	396	391	392			
Total	559 + (1)	553 + (4)	544 + (3)	545 +(4)			

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#### Note:

A - ranks in the directorate pay scale or equivalent

B — non-directorate ranks, the maximum pay point of which is above MPS 33 or equivalent

C - non-directorate ranks, the maximum pay point of which is at or below MPS 33 or equivalent

\* - excluding supernumerary posts created under delegated authority

() — number of supernumerary directorate posts

# - as at 1 December 2017, there was one unfilled directorate post in CEDD

## — as at 1 December 2017, there was no unfilled directorate post

\*\* - ITB was established on 20 November 2015

#### CIVIL SERVICE BUREAU COMMENTS

33. The Civil Service Bureau supports the proposed creation of permanent directorate posts in ITB, OGCIO and CEDD. The grading and ranking of the proposed posts are considered appropriate having regard to the level and scope of responsibilities required.

### ADVICE OF THE STANDING COMMITTEE ON DIRECTORATE SALARIES AND CONDITIONS OF SERVICE

34. The Standing Committee on Directorate Salaries and Conditions of Service has advised that the grading proposed for the posts would be appropriate if the proposals were to be implemented.

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Innovation and Technology Bureau December 2017

## Job Description Deputy Secretary for Innovation and Technology (2)

Rank : Administrative Officer Staff Grade B (D3)

**Responsible to** : Permanent Secretary for Innovation and Technology

### Main Duties and Responsibilities -

- (1) To review, formulate, evaluate and monitor Government policies, legislative proposals and implementation programmes in the area of information and communications technology (ICT);
- (2) To devise strategic plans for the promotion of the development of ICT in Hong Kong;
- (3) To steer and coordinate the work of the Office of the Government Chief Information Officer to achieve timely, smooth and effective implementation of policies and programmes;
- (4) To oversee the operation and development of the Cyberport;
- (5) To oversee the coordination and implementation of smart city initiatives and the operation of the Smart City Office;
- (6) To provide secretariat support to the Steering Committee on Innovation and Technology; and
- (7) To foster ICT cooperation with the Mainland and overseas.

### Job Description Principal Assistant Secretary for Innovation and Technology (3)

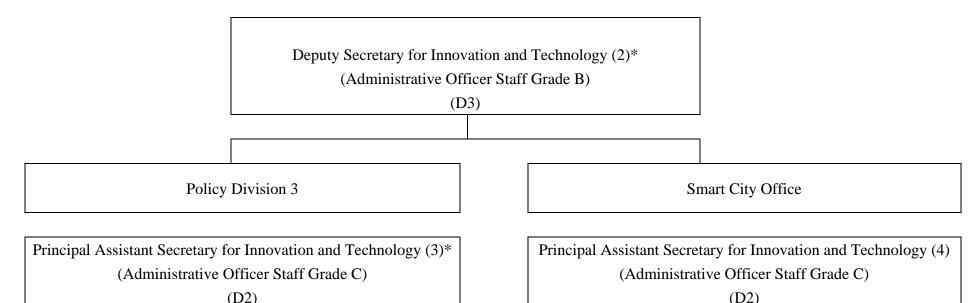
Rank : Administrative Officer Staff Grade C (D2)

**Responsible to** : Deputy Secretary for Innovation and Technology (2)

### Main Duties and Responsibilities -

- (1) To review, formulate, evaluate and monitor Government policies, legislative proposals and implementation programmes in the area of information and communications technology (ICT);
- (2) To devise strategic plans for the promotion of the development of ICT in Hong Kong;
- (3) To be responsible for the housekeeping of the Office of the Government Chief Information Officer;
- (4) To oversee the operation and development of the Cyberport; and
- (5) To foster ICT cooperation with the Mainland and overseas.

### Proposed Organisation Chart of the New Policy Team of the Innovation and Technology Bureau



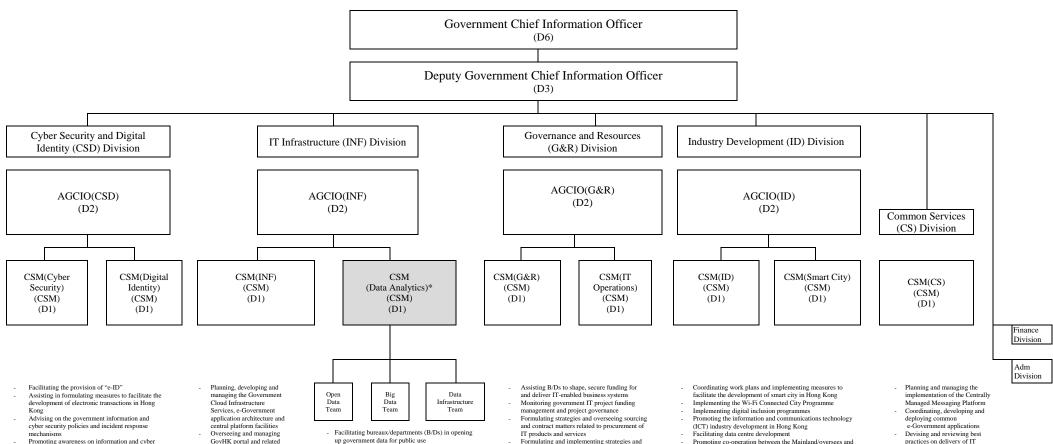
- Formulating and monitoring policies in the area of ICT
- Devising strategic plans for promotion of ICT development in Hong Kong
- Housekeeping OGCIO
- Overseeing the operation and development of Cyberport
- Fostering ICT cooperation with the Mainland and overseas

- Servicing the Steering Committee on Innovation and Technology
- Coordinating and formulating smart city projects
- Monitoring the progress of smart city projects
- Reviewing the effectiveness of smart city initiatives and projects
- Conducting publicity and promotion on Hong Kong's smart city development

#### Legend

 $<sup>* \</sup> Posts \ to \ be \ deployed \ from \ the \ Office \ of \ the \ Government \ Chief \ Information \ Officer \ to \ the \ Innovation \ and \ Technology \ Bureau.$ 

### Proposed Organisation Chart of the Office of the Government Chief Information Officer



Legend

DDITS Deputy Director of Information Technology Services Assistant Government Chief Information Officer AGCIO ADITS Assistant Director of Information Technology Services

CSM Chief Systems Manager SSM Senior Systems Manager Systems Manager SM API Analyst/Programmer I APII Analyst/Programmer II \*CSM post proposed to be created

security and advising on security threat alerts and

Advising on new information technology (IT)

development and adoption in the Government

Providing technical support for the

Facilitating B/Ds in developing and operating big

data analytics and applications

Promoting data exchange and system

interoperability across the Government

- programmes for the Government's data centre
- Overseeing government IT infrastructure and advising on IT business contingency planning
- and operations in the Government Performing the grade management and staff
- development functions
- Government Electronic Trading System
- Promoting co-operation between the Mainland/oversees and Hong Kong on ICT and handling matters relating to ICT between Hong Kong and related international bodies
- Overseeing the Hong Kong Internet Registration Corporation
- practices on delivery of IT projects
- Managing OGCIO IT services
- Providing communal IT management services

# Job Description Assistant Government Chief Information Officer (Cyber Security and Digital Identity)

**Rank** : Assistant Director of Information Technology

Services (D2)

**Responsible to** : Deputy Government Chief Information Officer

### Main Duties and Responsibilities -

- (1) To advise on and participate in the formulation and management of Government information and cyber security policies and incident response mechanisms;
- (2) To promote awareness on information and cyber security, advise on security threat alerts and risks mitigation, and assure information and cyber security requirement compliance;
- (3) To oversee the provision of "e-ID" as a single digital identity of Hong Kong residents for authentication in government and commercial online transactions and as a key digital infrastructure for smart city development;
- (4) To assist in formulating standards and practice of public key infrastructure for facilitating the development of electronic transactions in Hong Kong; and
- (5) To advise on new information technology development and its adoption in the Government.

# Job Description Assistant Government Chief Information Officer (Governance and Resources)

Rank : Assistant Director of Information Technology

Services (D2)

**Responsible to** : Deputy Government Chief Information Officer

### Main Duties and Responsibilities -

- (1) To assist bureaux/departments (B/Ds) in developing, implementing and securing funding for information technology (IT)-enabled business systems that support policy goals;
- (2) To monitor IT project funding management and Government IT projects governance;
- (3) To formulate strategies and oversee sourcing and contractual matters relating to the procurement of IT products and services;
- (4) To manage the Analyst/Programmer Grade and the Computer Operator Grade, and to be responsible for their professional development;
- (5) To formulate strategies and implement programmes for the Government's data centre services;
- (6) To oversee government IT infrastructure and advise on IT business contingency planning and operations in the Government;
- (7) To steer the provision of services by B/Ds or centrally provided services, including disaster recovery, Internet mail, Internet access, Government directory and central Internet gateway services; and
- (8) To oversee technical support provided for the Government Electronic Trading Services.

## Job Description Assistant Government Chief Information Officer (IT Infrastructure)

Rank : Assistant Director of Information Technology

Services (D2)

**Responsible to** : Deputy Government Chief Information Officer

### Main Duties and Responsibilities -

- (1) To oversee the planning, development and management of Government Cloud Infrastructure Services, e-Government application architecture and central platform facilities in supporting the digital Government services delivery;
- (2) To facilitate bureaux/departments (B/Ds) to open up government data for public use through the open data portal (data.gov.hk) for scientific research, innovation and development of smart city;
- (3) To oversee the development of data sharing standards and analytics infrastructure to facilitate B/Ds in developing and operating big data analytics and applications;
- (4) To promote data exchange and system interoperability across the government; and
- (5) To oversee and manage the e-Government service portal "GovHK" and related services for providing e-Government services to the public.

# Job Description Assistant Government Chief Information Officer (Industry Development)

Rank : Assistant Director of Information Technology

Services (D2)

**Responsible to** : Deputy Government Chief Information Officer

### Main Duties and Responsibilities -

- (1) To coordinate work plans and implement measures for facilitating the development of smart city in Hong Kong;
- (2) To coordinate and implement the Wi-Fi Connected City Programme, and facilitate the development and promotion of Wi-Fi.HK for the public and visitors:
- (3) To draw up programmes and initiatives on digital inclusion and monitor their implementation;
- (4) To facilitate Hong Kong to develop into a regional high-tier data centre hub;
- (5) To assist in formulating strategies and implement measures for the promotion of the development of information and communications technology (ICT) industry in Hong Kong;
- (6) To promote cooperation between overseas/the Mainland and Hong Kong on ICT, and handle matters relating to ICT between Hong Kong and the Asia-Pacific Economic Cooperation, World Trade Organisation and other related international bodies; and
- (7) To assist in overseeing the Hong Kong Internet Registration Corporation Limited and other matters relating to the administration of the domain name system in Hong Kong.

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### Job Description Commissioner for Efficiency

Rank : Head, Efficiency Unit (D4)

**Responsible to** : Permanent Secretary for Innovation and Technology

### Main Duties and Responsibilities -

- (1) To promote the adoption of technology and innovations in business methods to improve the quality and effectiveness of public services in meeting community needs;
- (2) To direct the Efficiency Office to give effective support to the Government's agenda for innovation in the public sector to improve the quality and effectiveness of public services;
- (3) To build strong partnerships with bureaux and departments (B/Ds), external partners and stakeholders to identify ideas for service improvement, develop and test innovations and scale up implementation of successful projects;
- (4) To work with B/Ds to improve regulatory regimes and co-ordinate the Government's efforts on business facilitations;
- (5) To serve as Secretary-General to the Social Innovation and Entrepreneurship Development Fund and oversee its operation;
- (6) To oversee the management and operation of the Efficiency Office as well as the Youth Portal and 1823 Contact Centre; and
- (7) To be the Head of the Management Services Officer grade.

### Job Description Deputy Commissioner for Efficiency

Rank : Deputy Head, Efficiency Unit (D3)

**Responsible to** : Commissioner for Efficiency

### Main Duties and Responsibilities -

- (1) To support the Commissioner for Efficiency in promoting Government's agenda for innovation, technology adoption and public service improvement;
- (2) To identify international trends and best practices, build partnerships with bureaux and departments (B/Ds), external partners and stakeholders, with a view to identifying areas for improvement and innovation;
- (3) To contribute to the formulation and implementation of Government's change programmes and initiatives, and the building of awareness, readiness and capacity on change agendas within the civil service;
- (4) To oversee consultancy services provided to B/Ds;
- (5) To oversee the operation of public services including the Youth Portal and 1823 Contact Centre;
- (6) To support the Commissioner for Efficiency to empower and build an enabling environment for innovation, collaboration and continuous learning in the Efficiency Office; and
- (7) Undertake any other assigned duties.

### Job Description Assistant Commissioner for Efficiency (1)

Rank : Assistant Director of Management Services (D2)

**Responsible to** : Commissioner for Efficiency

### Main Duties and Responsibilities -

- (1) As the thought leader for (i) service design; (ii) human resources management; and (iii) corporate governance; to lead and supervise project teams in researching and promoting best practices and measures to drive new approaches of public service delivery;
- (2) For the subjects of thought leadership under (1) above, to lead, supervise and support project teams in identifying and following up opportunities with bureaux and departments (B/Ds) to implement policy initiatives or projects to drive service improvement;
- (3) To direct, implement and monitor a programme of projects in response to Government-wide human resources management;
- (4) To advise B/Ds on the procurement of external management consultants, participating in assessment panels and negotiation teams and project steering committees as necessary;
- (5) To manage the Management Services Officer grade, including reviewing the effectiveness of management services teams posted within and outside the Efficiency Office, monitor performance and formulate training and development programmes to enhance the professional capabilities of the management services teams; and
- (6) To lead and supervise project teams to conduct consultancy studies or other projects as assigned.

### Job Description Assistant Commissioner for Efficiency (2)

Rank : Assistant Director of Management Services (D2)

**Responsible to** : Deputy Commissioner for Efficiency

### Main Duties and Responsibilities -

- (1) As the thought leader for (i) enterprise information management and knowledge management, (ii) procurement, (iii) application of technology, (iv) business analytics, and (v) open data, to lead and supervise project teams in researching and promoting best practices and measures to drive new approaches of public service delivery;
- (2) For the subjects of thought leadership under (1) above, to lead, supervise and support project teams in identifying and following up opportunities with bureaux and departments to implement policy initiatives or projects to drive service improvement;
- (3) To direct, implement and monitor a programme of projects on electronic recordkeeping and knowledge management;
- (4) To direct and manage 1823 to deliver quality enquiry and complaint handling services to the public;
- (5) To direct 1823 to create greater public value, particularly in understanding citizens' needs and reducing the need for the public to make enquiries and complaints; and
- (6) To lead and supervise project teams in conducting consultancy studies or other projects as assigned.

### Job Description Assistant Commissioner for Efficiency (3)

Rank : Administrative Officer Staff Grade C (D2)

**Responsible to** : Commissioner for Efficiency

### Main Duties and Responsibilities -

- (1) As the thought leader for (i) social innovation; and (ii) complaints handling, to lead and supervise project teams in researching and promoting best practices and measures to drive new approaches of public service delivery;
- (2) For the subjects of thought leadership under (1) above, to lead, supervise and support project teams in identifying and following up opportunities with bureaux and departments to implement policy initiatives or projects to drive service improvement;
- (3) To direct, implement and monitor Government-wide initiatives arising from the administration of the Social Innovation and Entrepreneurship Development Fund (SIE Fund);
- (4) To lead and supervise the operation and evaluation of the SIE Fund, particularly in respect of Government and community facilitation as well as fund management and administration;
- (5) To lead and supervise project teams to conduct Government-wide and service quality related surveys and researches as well as studies on complaints handling; and
- (6) To lead and supervise project teams to conduct consultancy studies or other projects as assigned.

### Job Description Assistant Commissioner for Efficiency (Business Facilitation)

Rank : Assistant Director of Management Services (D2)

**Responsible to** : Commissioner for Efficiency

### Main Duties and Responsibilities -

- (1) To service the Business Facilitation Advisory Committee and its Task Forces;
- (2) To chair the Business Liaison Groups covering different business sectors;
- (3) To monitor World Bank's publications on international competitiveness of Hong Kong;
- (4) To work in partnership with bureaux/departments (B/Ds) concerned to develop targeted reform measures in connection with World Bank's Doing Business Report;
- (5) To oversee and coordinate B/Ds' business facilitation efforts under the "Be the Smart Regulator" Programme; and
- (6) To develop and implement business facilitation programme, and to oversee and coordinate the conduct of business facilitation initiatives.

## Job Description Principal Management Services Officer (Efficiency Office) 1

**Rank**: Principal Management Services Officer (D1)

**Responsible to** : Deputy Commissioner for Efficiency

### Main Duties and Responsibilities -

- (1) As the thought leader for (i) youth engagement; and (ii) modern engagement, to lead and supervise project teams in researching and promoting best practices and measures to drive new approaches of public service delivery;
- (2) For the subjects of thought leadership under (1) above, to lead, supervise and support project teams in identifying and following up opportunities with bureaux and departments to implement policy initiatives or projects to drive service improvement;
- (3) To direct, implement and monitor the marketing and communication programmes of the Social Innovation and Entrepreneurship Development Fund;
- (4) To manage and develop the web portals, polling and survey platforms, including the operation of Youth Portal, to support Government-wide engagement initiatives; and
- (5) To lead and supervise project teams to conduct consultancy studies or other projects as assigned.

### Job Description Principal Management Services Officer (Efficiency Office) 2

Rank : Principal Management Services Officer (D1)

**Responsible to** : Deputy Commissioner for Efficiency

### Main Duties and Responsibilities -

- (1) As the thought leader for (i) shared services; (ii) public sector innovation; and (iii) value for money / business case formulation, to lead and supervise project teams in researching and promoting best practices and measures to drive new approaches of public service delivery;
- (2) For the subjects of thought leadership under (1) above, to lead, supervise and support project teams in identifying and following up opportunities with bureaux and departments to implement policy initiatives or projects to drive service improvement;
- (3) To direct, implement and monitor a programme of projects in response to the Government-wide initiative to build up civil service capabilities; and
- (4) To lead and supervise project teams to conduct consultancy studies or other projects as assigned.

### Job Description Principal Executive Officer (Efficiency Office)

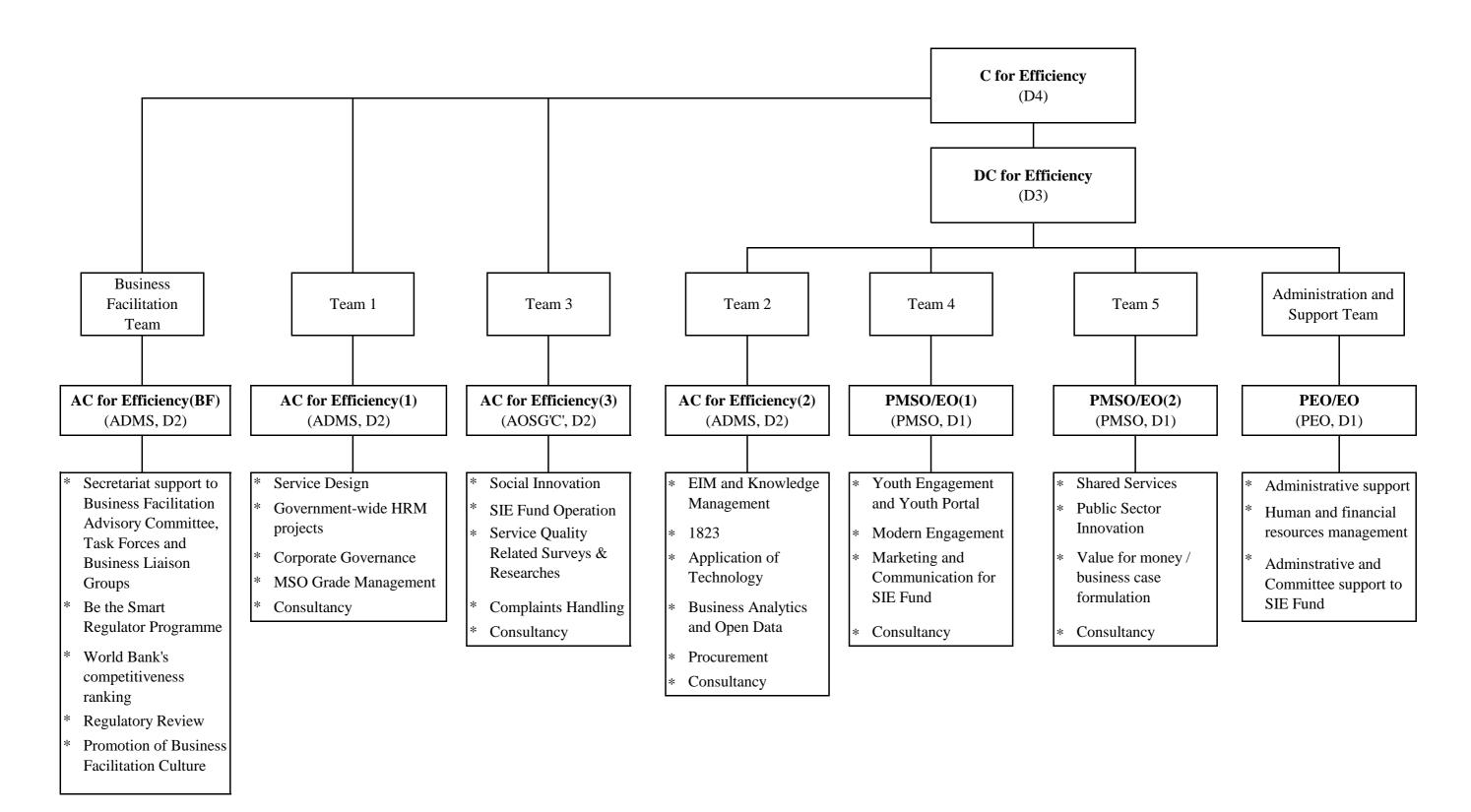
**Rank**: Principal Executive Officer (D1)

**Responsible to** : Deputy Commissioner for Efficiency

### Main Duties and Responsibilities -

- (1) To support and advise Commissioner for Efficiency on matters relating to innovation and improvement programmes and opportunities for improvement in administrative systems and practices;
- (2) To provide oversight and direction on provision of administrative and secretariat support to the Social Innovation and Entrepreneurship (SIE) Development Fund Task Force, and of administrative support to facilitate social innovation and entrepreneurship development in Hong Kong;
- (3) To assist in coordination of the organisation of SIE Fund-related activities such as shared value initiatives, key stakeholder engagement events, conferences and sharing sessions for both government staff and outside contacts;
- (4) To perform the role of the Complaints Liaison Officer for the Efficiency Office and be responsible for coordinating and monitoring the handling of complaints against Efficiency Office's services; and
- (5) To oversee the resources management and administrative support services to support the Efficiency Office's programmes and initiatives; and to undertake other duties as assigned.

### **Proposed Organisation Chart of the Efficiency Office**



## Civil Service Posts to be Deployed from the Efficiency Unit<sup>1</sup> to the Innovation and Technology Bureau

### **Civil Service Establishment**

Rank	Number of Post	
Head, Efficiency Unit (D4)	1	
Deputy Head, Efficiency Unit (D3)	1	
Administrative Officer Staff Grade C (D2)	1	
Assistant Director of Management Services (D2)	3	
Principal Management Services Officer (D1)	2	
Principal Executive Officer (D1)	1	
Chief Management Services Officer	12	
Senior Management Services Officer	26	
Management Services Officer I	15	
Management Services Officer II	9	
Senior Treasury Accountant	1	
Accounting Officer I	1	
Chief Executive Officer	3	
Senior Executive Officer	2	
Executive Officer I	2	
Executive Officer II	1	
Senior Personal Secretary	1	
Personal Secretary I	3	
Personal Secretary II	1	
Assistant Clerical Officer	5	
Clerical Assistant	3	
Office Assistant	1	
Telephone Operator	3	
Workman II	1	
Total:	99	

<sup>&</sup>lt;sup>1</sup> Including posts to be deployed from the Business Facilitation Division to the Efficiency Unit, and posts to be created in 2018-19.

### Job Description Principal Assistant Secretary for Innovation and Technology (2)

**Rank** : Administrative Officer Staff Grade C (D2)

**Responsible to** : Deputy Secretary for Innovation and Technology (1)

### Main Duties and Responsibilities -

- (1) To coordinate the Lok Ma Chau Loop Area development, including liaising with relevant Mainland departments;
- (2) To formulate policy directives for the Lok Ma Chau Loop Area development, including the establishment of appropriate facilities for research, higher education, culture and creativity, etc;
- (3) To provide secretariat service to the "Joint Task Force on the Development of the HK-Shenzhen Innovation and Technology Park in the Loop";
- (4) To foster cooperation with the Mainland on innovation and technology matters; and
- (5) To monitor the use of the \$500 million block allocation to support bureaux/departments employing technologies to improve public services.

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### Job Description Chief Engineer/ West 5

Rank : Chief Engineer (D1)

**Responsible to** : Deputy Project Manager (West)

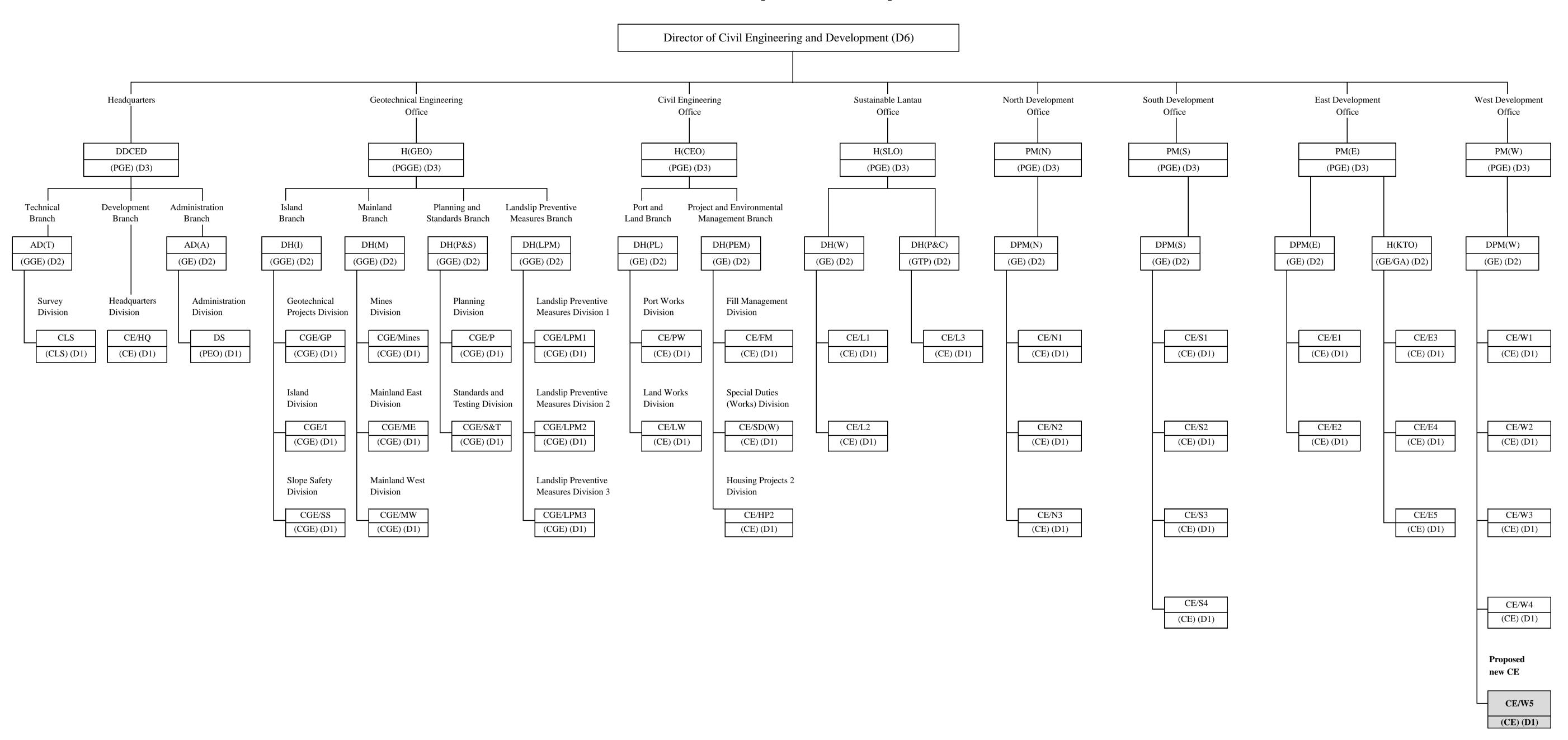
### Main Duties and Responsibilities -

Chief Engineer/West 5 is responsible for the overall administration and management of the infrastructure and associated works under the Lok Ma Chau Loop development project. The major duties are—

- (1) To oversee the administration, planning, design, construction and management of the infrastructure and associated works under the Loop development project;
- (2) To lead and direct the project team for implementation of the infrastructure works and associated works under the Loop development project, and to undertake public consultations;
- (3) To monitor the budgetary control of the infrastructure and associated works under the Loop development project;
- (4) To drive for timely achievement of milestone targets, deal with and coordinate interfacing matters with relevant authorities (including the Hong Kong Science and Technology Parks Corporation and its subsidiary company, MTR Corporation Limited and relevant Shenzhen authorities) and with other interfacing projects and developments in the adjacent areas;
- (5) To attend regular meetings related to the Loop development project, including the Joint Task Force on the Development of the Hong Kong-Shenzhen Innovation and Technology Park in the Loop and its working groups as well as the inter-departmental/bureaux steering group and its working groups;
- (6) To select and manage consultants and contractors;

- (7) To monitor, coordinate and carry out all the needed infrastructural improvements upon completion of the infrastructure works to complement the long-term development of the Loop;
- (8) To oversee works-related district administration matters for San Tin/Lok Ma Chau areas; and
- (9) To oversee the work of senior professionals and professionals under his/her purview.

# Organisation Chart of Civil Engineering and Development Department after Creation of New CE post at West Development Office



### Job Description Principal Assistant Secretary for Innovation and Technology (4)

**Rank**: Administrative Officer Staff Grade C (D2)

**Responsible to** : Deputy Secretary for Innovation and Technology (2)

#### Main Duties and Responsibilities -

- (1) To serve as Head of the Smart City Office to perform the following duties-
  - (a) to coordinate and formulate smart city projects across relevant bureaux and departments, and devise an overall plan for these projects;
  - (b) to monitor the progress of smart city projects, and recommend appropriate follow-up actions;
  - (c) to conduct timely reviews on the effectiveness of smart city initiatives and projects;
  - (d) to conduct publicity and promotion on Hong Kong's smart city development, including engaging stakeholders on smart city initiatives; and
- (2) To serve as Secretary to the Steering Committee on Innovation and Technology.

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### Job Description Chief Systems Manager (Data Analytics)

Rank : Chief Systems Manager (D1)

**Responsible to** : Assistant Government Chief Information Officer (IT

Infrastructure)

### Main Duties and Responsibilities -

- (1) To coordinate, liaise and support bureaux/departments (B/Ds) to open up government data for public use through the open data portal (data.gov.hk);
- (2) To maintain and update the open data portal (data.gov.hk) and to advise B/Ds on the best practices and data format on open data;
- (3) To provide data science advisory and facilitation services for B/Ds and assist them in developing data-centric e-government and smart city services;
- (4) To build and maintain a common big data analytics infrastructure (including a big data platform and a digital highway) for shared use by B/Ds to develop and operate big data analytics and applications;
- (5) To keep abreast of the international trend of open data and big data analytics and recommend government-wide practices and guidelines in these respects; and
- (6) To support, housekeep and refresh frameworks, standards and services related to data sharing, including but not limited to Address Data Infrastructure, Government Technology System Architecture, Interoperability Framework, and Chinese character set (HKSCS) and standard (ISO 10646).

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### Job Description Principal Assistant Secretary for Innovation and Technology

Rank Administrative Officer Staff Grade C (D2) **Responsible to** Deputy Secretary for Innovation and Technology Main Duties and Responsibilities -To formulate policies relating to innovation and technology and coordinate (1) various relevant measures. To coordinate the work of the Innovation and Technology Commission and (2) the Office of the Government Chief Information Officer; To handle Legislative Council business, including the Panel on Commerce (3) and Industry and Panel on Information Technology and Broadcasting; (4) To drive innovation and technology cooperation with the Mainland and overseas: and To implement the Innovation and Technology Fund for Better Living. (5)

## Job Description Principal Assistant Secretary for Innovation and Technology (1)

Rank : Administrative Officer Staff Grade C (D2)

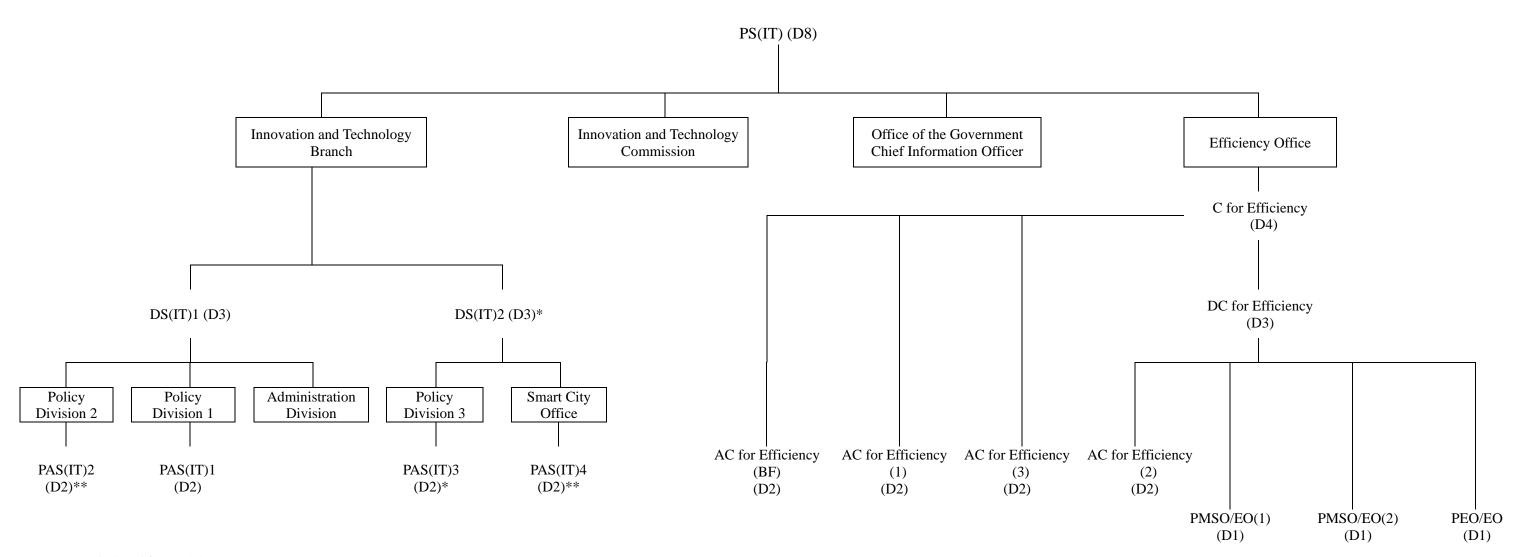
**Responsible to** : Deputy Secretary for Innovation and Technology (1)

### Main Duties and Responsibilities -

- (1) To coordinate policy matters on promoting technology research and development, re-industrialisation, supporting start-ups and technology talents;
- (2) To carry out policy research and formulation in new areas of innovation and technology;
- (3) To foster Hong Kong and overseas (excluding the Mainland) co-operation on innovation and technology matters;
- (4) To be responsible for the housekeeping of the Innovation and Technology Commission;
- (5) To provide secretariat support to the Committee on Innovation, Technology and Re-industrialisation; and
- (6) To implement the Innovation and Technology Fund for Better Living.

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### Proposed Organisation Chart of the Innovation and Technology Bureau [showing offices under PS(IT)]



Post redeployed from OGCIO Permanent post to be created