

## Head 47 — GOVERNMENT SECRETARIAT: OFFICE OF THE GOVERNMENT CHIEF INFORMATION OFFICER

**Controlling officer:** the Government Chief Information Officer will account for expenditure under this Head.

<b>Estimate 2021–22</b> .....	<b>\$1,313.8m</b>
<b>Establishment ceiling 2021–22</b> (notional annual mid-point salary value) representing an estimated 721 non-directorate posts as at 31 March 2021 reducing by 11 posts to 710 posts as at 31 March 2022 .....	<b>\$499.7m</b>
In addition, there will be an estimated 15 directorate posts as at 31 March 2021 and as at 31 March 2022.	
<b>Commitment balance</b> .....	<b>\$735.4m</b>

### Controlling Officer’s Report

#### Programmes

<p><b>Programme (1) Use of Information Technology (IT) in Government</b></p> <p><b>Programme (2) IT Infrastructure and Standards</b></p> <p><b>Programme (3) IT in the Community</b></p>	<p>These programmes contribute to Policy Area 17: Information Technology and Broadcasting (Secretary for Innovation and Technology).</p>
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#### Detail

##### Programme (1): Use of IT in Government

	2019–20 (Actual)	2020–21 (Original)	2020–21 (Revised)	<b>2021–22 (Estimate)</b>
Financial provision (\$m)	622.6	648.3	647.4 (–0.1%)	<b>820.2</b> (+26.7%)
				(or +26.5% on 2020–21 Original)

#### *Aim*

2 The aim of this programme is to provide government bureaux and departments with the information and services they need in an efficient, convenient, secure and environmentally-friendly manner by suitable adoption of information and communications technology (ICT), and to support bureaux and departments to make the best use of ICT to achieve their policy objectives. Government policy initiatives, internal efficiency, transparency and public engagement should also be enabled by innovative use of ICT.

#### *Brief Description*

3 The Office of the Government Chief Information Officer (OGCIO) delivers and enhances the Government’s online one-stop service portal, and manages relationships with portal users. It provides a range of IT professional services and facilitation measures to bureaux and departments, sets policies on IT standards, and develops and operates shared infrastructure and central services that take into account industry and technology developments. It establishes policies and practices on governance and cybersecurity, invests in IT, supports the IT initiatives of bureaux and departments, and enables them to assure the quality of their IT strategies, projects and operations. It also develops and motivates members of the government IT profession.

#### 4 In 2020–21, OGCIO:

- collaborated with other bureaux and departments, particularly the Food and Health Bureau and the Department of Health, to facilitate the implementation of a number of anti-epidemic related initiatives including the mandatory home quarantine arrangement, various community testing programmes, the health code system for cross boundary travel with Guangdong Province and Macao, an information sharing portal to support contact tracing, the exposure notification mobile app system and distribution of reusable masks;
- launched a common big data infrastructure to facilitate bureaux and departments in implementing and hosting big data analytics applications;
- provided technical advice and support to bureaux and departments in the implementation of smart city initiatives and projects;

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- launched a new integrated government cloud infrastructure to enable more efficient and secure delivery of public services;
  - continued to promote wider use of electronic submission of government forms;
  - launched pilot applications adopting blockchain technology to examine the applicability and benefits of blockchain in improving government services;
  - commenced the development of a traffic data analytics system in collaboration with the Transport Department to enhance traffic management and transport efficiency;
  - launched a campaign to enhance the awareness and knowledge of government departments in applying robotics technologies to enhance public services;
  - continued to assist government departments in sourcing innovative IT solutions to meet their business needs through the Smart Government Innovation Lab;
  - continued with the construction of the government data centre complex to support the Government's long-term demand for data centre services;
  - reviewed and updated the Government's information security policies and guidelines to keep in pace with technology development, industry best practices and government security requirements;
  - continued the rollout of a new centrally managed messaging platform for bureaux and departments; and
  - commenced the planning for rolling out electronic recordkeeping system to all bureaux and departments in collaboration with the Government Records Service and the Efficiency Office.
- 5 The key performance measures in respect of use of IT in the Government are:

### *Target*

	Target	2019 (Actual)	2020 (Actual)	<b>2021 (Plan)</b>
services rendered meeting requirements set out in service level documents agreed with users (%).....	100	100	100	<b>100</b>

### *Indicators*

		2019 (Actual)	2020 (Actual)	<b>2021 (Estimate)</b>
no. of bureaux and departments with IT plans in place .....		67	67	<b>67</b>
results of post-implementation departmental returns on completed IT projects				
completed on schedule (%).....		73.2	75.8	<b>75.0</b>
completed within budget (%).....		100	100	<b>100</b>
meeting agreed specifications (%).....		98.7	99.1	<b>100</b>
achieving intended benefits (%).....		99.6	99.6	<b>99.0</b>

	2019–20 (Actual)	2020–21 (Revised Estimate)	<b>2021–22 (Estimate)</b>
total value of work undertaken in the year (\$m).....	2,309.1	2,480.2	<b>2,866.4</b>
total value of work outsourced in the year (\$m).....	2,124.4	2,301.7	<b>2,579.8</b>

### *Matters Requiring Special Attention in 2021–22*

- 6 During 2021–22, OGCIO will:
- continue to collaborate with other bureaux and departments to facilitate the implementation of the mandatory home quarantine arrangement, various community testing programmes, the vaccination programme, the health code system for cross boundary travel with Guangdong Province and Macao, and the information sharing portal to support contact tracing; enhancement of the exposure notification mobile app system; and on other anti-epidemic related initiatives;
  - continue to provide technical advice and support to bureaux and departments in implementing big data analytics and blockchain applications;
  - continue to provide technical advice and support to bureaux and departments in the implementation of smart city initiatives and projects;

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- continue to promote bureaux and departments to implement electronic submission of their government forms;
- launch a traffic data analytics system in collaboration with the Transport Department to enhance traffic management and transport efficiency;
- continue to assist government departments in sourcing innovative IT solutions including robotics technologies to meet their business needs through the Smart Government Innovation Lab;
- promote the adoption of 5G technology applications in government departments to enhance public services;
- continue with the construction of the government data centre complex;
- continue to promote information security awareness in the Government and monitor the compliance of bureaux and departments with the Government’s information security requirements;
- complete the rollout of a new centrally managed messaging platform for bureaux and departments; and
- commence the system development of an electronic recordkeeping system for rolling out to all bureaux and departments in collaboration with the Government Records Service and the Efficiency Office.

### Programme (2): IT Infrastructure and Standards

	2019–20 (Actual)	2020–21 (Original)	2020–21 (Revised)	2021–22 (Estimate)
Financial provision (\$m)	117.2	143.4	165.1 (+15.1%)	404.2 (+144.8%)
				(or +181.9% on 2020–21 Original)

#### *Aim*

7 The aim of this programme is to provide Hong Kong with the IT infrastructure, standards, legal framework and talent needed to facilitate a vibrant digital economy and to enable core industries to improve their competitive position.

#### *Brief Description*

8 OGCIO supports the development of community-wide IT infrastructure and facilitates the development of IT human capital to strengthen Hong Kong’s position as a smart city. It seeks to develop a digital infrastructure through which the community can interact readily and securely, and to promote the use of electronic means for economic, social and government activities. It also seeks to introduce common standards which apply to both the public and private sectors.

9 In 2020–21, OGCIO:

- launched the “*iAM Smart*” Platform for provision of one-stop personalised digital government services and commenced user registration for Hong Kong residents;
- completed a review by the Technical Advisory Ad Hoc Committee on the Multi-functional Smart Lampposts pilot scheme;
- supported the formulation of the *Smart City Blueprint for Hong Kong 2.0*;
- launched the IT Innovation Lab in Secondary Schools programme to cultivate students’ interest in IT, enhance their innovative thinking and foster an IT learning atmosphere at secondary schools;
- continued the Cybersec Infohub partnership programme as an ongoing initiative to facilitate information exchange among different stakeholders and dissemination of cyber security advisories to the public; and
- continued the review of the Electronic Transactions Ordinance (Cap. 553).

#### *Matters Requiring Special Attention in 2021–22*

10 During 2021–22, OGCIO will:

- continue to promote the adoption of “*iAM Smart*” by public and private organisations;
- follow up on the recommendations of the Technical Advisory Ad Hoc Committee for the implementation of the Multi-functional Smart Lampposts pilot scheme;
- continue to support the co-ordination and monitoring of smart city initiatives under the *Smart City Blueprint for Hong Kong 2.0*;

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- continue to implement the IT Innovation Lab in Secondary Schools and the Enriched IT Programme in Schools, and extend the IT Innovation Lab in Secondary Schools programme to all publicly funded primary schools; and
- continue to review the Electronic Transactions Ordinance.

### Programme (3): IT in the Community

	2019–20 (Actual)	2020–21 (Original)	2020–21 (Revised)	2021–22 (Estimate)
Financial provision (\$m)	98.3	89.9	89.2 (–0.8%)	<b>89.4</b> (+0.2%)
				(or –0.6% on 2020–21 Original)

### *Aim*

11 The aim of this programme is to strengthen the role of Hong Kong’s business establishments in the local, Mainland and global markets for ICT and digital content services. The programme also aims to enable residents, businesses and voluntary organisations to utilise and share information and knowledge in promoting sustainable development and improving the quality of life.

### *Brief Description*

12 OGCIO promotes and facilitates the wider use of IT in the business sector and the community, and contributes to building a digitally inclusive society in Hong Kong. It collaborates with industry support organisations and trade associations to support the IT industry, including exploration of business opportunities locally, in the Mainland and overseas.

13 In 2020–21, OGCIO:

- worked with bureaux and departments and related organisations to open up more data in machine-readable format for free use by the public and publish their third annual open data plans;
- increased the number of hotspots to over 38 000 under the “Wi-Fi.HK” programme;
- organised the Hong Kong ICT Awards 2020 to enhance Hong Kong’s profile as a leading ICT hub in the region;
- continued to provide one-stop support service to facilitate the setting up of data centres in Hong Kong and concessionary measures to encourage the use of existing industrial buildings and industrial lots for data centres;
- collaborated with the Department of Industry and Information Technology of Guangdong Province to organise the 15th Plenary Meeting of the Hong Kong/Guangdong Expert Group on Co-operation in Informatisation and the Guangdong/Hong Kong Cloud Computing Conference and Exchange Forum;
- organised outreach and training activities to enrich the ICT knowledge among the elderly and enriched the contents of the web-based learning portal; and
- continued to promote web/mobile app accessibility in public and private organisations, and commenced the compliance audit on accessibility of government websites and mobile apps.

### *Matters Requiring Special Attention in 2021–22*

14 During 2021–22, OGCIO will:

- continue to work with bureaux and departments and related organisations to open up more data in machine-readable format for free use by the public and update their open data plans;
- continue to implement and promote the “Wi-Fi.HK” programme;
- organise the Hong Kong ICT Awards 2021;
- continue to provide one-stop support service to facilitate data centre development in Hong Kong;
- continue to collaborate with the Department of Industry and Information Technology of Guangdong Province on the Hong Kong/Guangdong Expert Group on Co-operation in Informatisation;
- continue to organise outreach and training activities to enrich the ICT knowledge among the elderly and enrich the contents of the web-based learning portal; and
- continue to promote web/mobile app accessibility in public and private organisations, and conduct the compliance audit on accessibility of government websites and mobile apps.

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**ANALYSIS OF FINANCIAL PROVISION**

	2019–20 (Actual) (\$m)	2020–21 (Original) (\$m)	2020–21 (Revised) (\$m)	2021–22 (Estimate) (\$m)
<b>Programme</b>				
(1) Use of Information Technology (IT) in Government .....	622.6	648.3	647.4	<b>820.2</b>
(2) IT Infrastructure and Standards .....	117.2	143.4	165.1	<b>404.2</b>
(3) IT in the Community .....	98.3	89.9	89.2	<b>89.4</b>
	<hr/>	<hr/>	<hr/>	<hr/>
	838.1	881.6	901.7 (+2.3%)	<b>1,313.8</b> (+45.7%)
				<b>(or +49.0% on 2020–21 Original)</b>

**Analysis of Financial and Staffing Provision**

**Programme (1)**

Provision for 2021–22 is \$172.8 million (26.7%) higher than the revised estimate for 2020–21. This is mainly due to the increased provision for the implementation of anti-epidemic related initiatives and departmental expenses, partly offset by the decreased requirement for capital expenditure and personal emoluments. In addition, there will be a decrease of nine posts in 2021–22.

**Programme (2)**

Provision for 2021–22 is \$239.1 million (144.8%) higher than the revised estimate for 2020–21. This is mainly due to the increased provision for the Enriched IT Programme in Schools and departmental expenses.

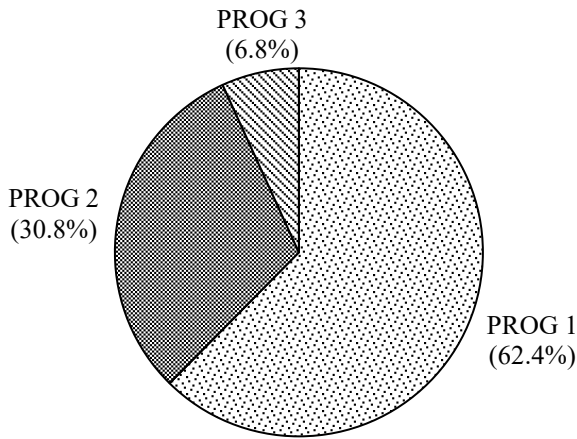
**Programme (3)**

Provision for 2021–22 is \$0.2 million (0.2%) higher than the revised estimate for 2020–21. This is mainly due to the increased provision for providing public Wi-Fi services in study rooms and youth service centres, partly offset by the decreased requirement for personal emoluments. In addition, there will be a decrease of two posts in 2021–22.

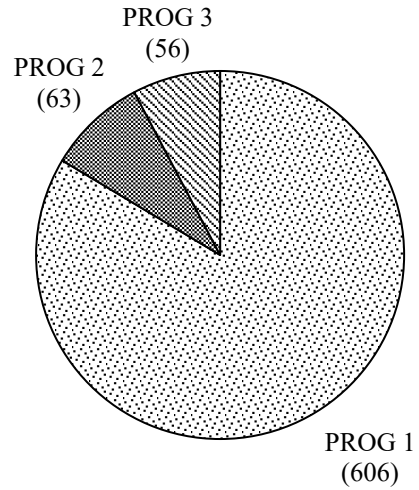
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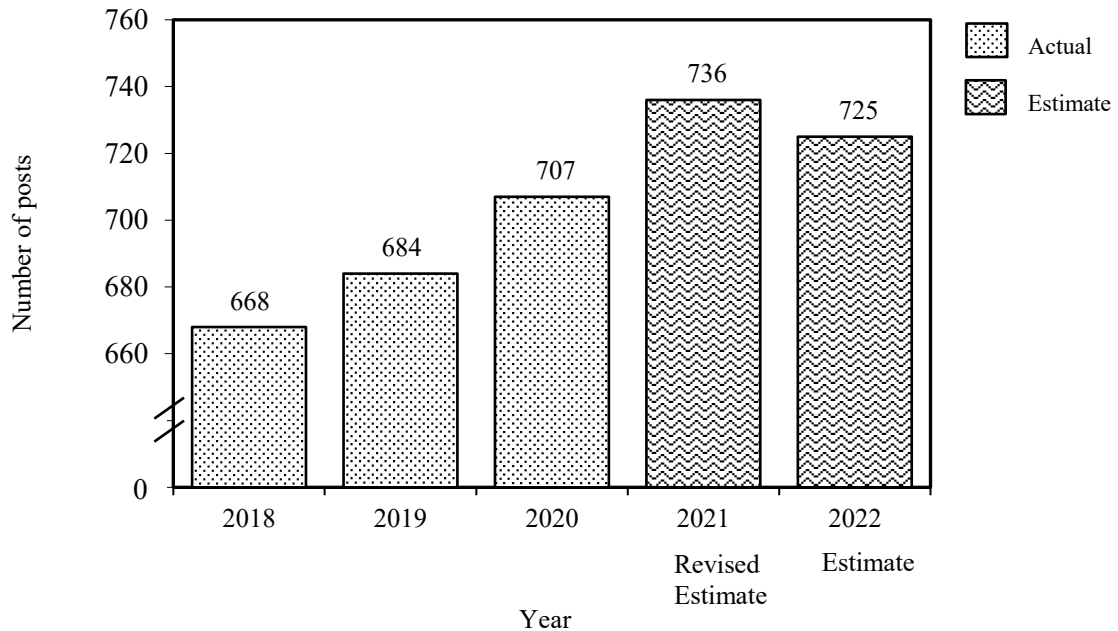
*Allocation of provision  
to programmes  
(2021-22)*



*Staff by programme  
(as at 31 March 2022)*



*Changes in the size of the establishment  
(as at 31 March)*



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Sub-head (Code)	Actual expenditure 2019–20	Approved estimate 2020–21	Revised estimate 2020–21	<b>Estimate 2021–22</b>	
	\$'000	\$'000	\$'000	<b>\$'000</b>	
<b>Operating Account</b>					
Recurrent					
000	Operational expenses .....	816,809	863,368	861,921	<b>1,072,118</b>
	Total, Recurrent.....	816,809	863,368	861,921	<b>1,072,118</b>
Non-Recurrent					
700	General non-recurrent .....	21,280	11,606	33,190	<b>237,772</b>
	Total, Non-Recurrent.....	21,280	11,606	33,190	<b>237,772</b>
	Total, Operating Account .....	838,089	874,974	895,111	<b>1,309,890</b>
<b>Capital Account</b>					
Plant, Equipment and Works					
661	Minor plant, vehicles and equipment (block vote).....	—	6,609	6,609	<b>3,875</b>
	Total, Plant, Equipment and Works.....	—	6,609	6,609	<b>3,875</b>
	Total, Capital Account.....	—	6,609	6,609	<b>3,875</b>
	Total Expenditure .....	838,089	881,583	901,720	<b>1,313,765</b>

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### Details of Expenditure by Subhead

The estimate of the amount required in 2021–22 for the salaries and expenses of the Office of the Government Chief Information Officer (OGCIO) is \$1,313,765,000. This represents an increase of \$412,045,000 over the revised estimate for 2020–21 and \$475,676,000 over the actual expenditure in 2019–20.

#### *Operating Account*

##### Recurrent

**2** Provision of \$1,072,118,000 under *Subhead 000 Operational expenses* is for the salaries, allowances and other operating expenses of OGCIO. The increase of \$210,197,000 (24.4%) over the revised estimate for 2020–21 is mainly due to the increased provision for the implementation of anti-epidemic related initiatives and departmental expenses.

**3** The establishment as at 31 March 2021 will be 736 posts. It is expected that there will be a decrease of 11 posts in 2021–22. Subject to certain conditions, the controlling officer may under delegated power create or delete non-directorate posts during 2021–22, but the notional annual mid-point salary value of all such posts must not exceed \$499,743,000.

**4** An analysis of the financial provision under *Subhead 000 Operational expenses* is as follows:

	2019–20 (Actual) (\$'000)	2020–21 (Original) (\$'000)	2020–21 (Revised) (\$'000)	<b>2021–22 (Estimate) (\$'000)</b>
Personal Emoluments				
- Salaries .....	464,235	502,735	490,145	<b>489,690</b>
- Allowances .....	9,560	8,700	9,900	<b>9,900</b>
- Job-related allowances.....	18	100	100	<b>100</b>
Personnel Related Expenses				
- Mandatory Provident Fund contribution .....	1,400	1,309	1,399	<b>1,223</b>
- Civil Service Provident Fund contribution .....	13,248	17,942	17,165	<b>19,921</b>
Departmental Expenses				
- Hire of services and professional fees .....	206,659	216,582	221,633	<b>344,884</b>
- Information and communications technology rentals and maintenance .....	41,608	40,000	41,920	<b>85,200</b>
- General departmental expenses .....	36,244	30,000	33,659	<b>47,000</b>
Other Charges				
- Hosting platform for e-government services.....	43,837	46,000	46,000	<b>74,200</b>
	816,809	863,368	861,921	<b>1,072,118</b>

#### *Capital Account*

##### Plant, Equipment and Works

**5** Provision of \$3,875,000 under Subhead 661 Minor plant, vehicles and equipment (block vote) represents a decrease of \$2,734,000 (41.4%) against the revised estimate for 2020–21. This is mainly due to the reduced requirement for scheduled replacement of minor plant and equipment.



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**Commitments**

Sub-head (Code)	Item (Code)	Ambit	Approved commitment \$'000	Accumulated expenditure to 31.3.2020 \$'000	Revised estimated expenditure for 2020–21 \$'000	Balance \$'000
<b><i>Operating Account</i></b>						
700		<i>General non-recurrent</i>				
	801	Providing Public Wi-Fi services in Study Rooms and Youth Service Centres .....	25,300	6,400	2,800	16,100
	894	Enriched IT Programme in Schools¶ .....	800,000¶	50,286	30,390	719,324
		<b>Total .....</b>	<b>825,300</b>	<b>56,686</b>	<b>33,190</b>	<b>735,424</b>

¶ Revised description of previous item “Enriched IT Programme in Secondary Schools”. The approved commitment for the item was \$575 million. An increase in commitment of \$225 million is sought in the context of the Appropriation Bill 2021.