

## Head 28 — CIVIL AVIATION DEPARTMENT

**Controlling officer:** the Director-General of Civil Aviation will account for expenditure under this Head.

**Estimate 2017–18** ..... **\$994.7m**

**Establishment ceiling 2017–18** (notional annual mid-point salary value) representing an estimated 717 non-directorate posts as at 31 March 2017 rising by 33 posts to 750 posts as at 31 March 2018..... **\$544.2m**

In addition, there will be an estimated 22 directorate posts as at 31 March 2017 and as at 31 March 2018.

### Controlling Officer's Report

#### Programmes

<b>Programme (1) Flight Standards</b>	This programme contributes to Policy Area 3: Air and Sea Communications and Logistics Development (Secretary for Transport and Housing).
<b>Programme (2) Airport Standards</b>	This programme contributes to Policy Area 3: Air and Sea Communications and Logistics Development (Secretary for Transport and Housing) and Policy Area 9: Internal Security (Secretary for Security).
<b>Programme (3) Air Traffic Management Programme (4) Air Traffic Engineering Services</b>	These programmes contribute to Policy Area 3: Air and Sea Communications and Logistics Development (Secretary for Transport and Housing).
<b>Programme (5) Air Services and Safety Management</b>	
<b>Programme (6) Air Passenger Departure Tax Administration</b>	This programme contributes to Policy Area 25: Revenue Collection and Financial Control (Secretary for Financial Services and the Treasury).

#### Detail

##### Programme (1): Flight Standards

	2015–16 (Actual)	2016–17 (Original)	2016–17 (Revised)	<b>2017–18 (Estimate)</b>
Financial provision (\$m)	104.6	115.6	113.0 (–2.2%)	<b>126.8</b> (+12.2%)
				(or +9.7% on 2016–17 Original)

#### *Aim*

**2** The aim is to set and enforce flight and airworthiness standards in compliance with international civil aviation safety requirements, and to keep the relevant legislation and operational requirements up-to-date.

#### *Brief Description*

**3** The Flight Standards and Airworthiness Division of the Department is responsible for regulating the operational safety and airworthiness of aircraft registered in Hong Kong, and other matters related to flight safety. The work involves:

- monitoring and inspecting Hong Kong air operators in respect of flight operations policy and standards, flight crew training and aircraft maintenance standards;
- maintaining the Hong Kong Civil Aircraft Register;
- issuing certificates of airworthiness;
- approving flight simulators;
- approving maintenance facilities;
- approving design and production organisations for aircraft and related products/parts;
- approving maintenance training organisations;
- approving flying training organisations which provide commercial pilot training courses;

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- conducting surveillance and certification validation of foreign air operators;
- conducting examinations and issuing licences for flight crew and maintenance engineers, reviewing the licensing policy and requirements, and granting authority for suitable persons as authorised examiners;
- issuing medical certificates to flight crew and air traffic controllers;
- monitoring compliance with the mandatory occurrence reporting scheme and carrying out safety analysis on reportable occurrences;
- overseeing the compliance of Flight Time Limitations Schemes by Hong Kong air operators; and
- monitoring the implementation of the safety management systems by Hong Kong air operators and maintenance organisations.

4 The Flight Standards and Airworthiness Division inspects the operational and training activities of Hong Kong air operators regularly throughout the year to ensure that they maintain high safety and operational standards. The demand for inspections is expected to remain at a level comparable to that in 2016.

5 The key performance measures are:

### *Targets*

	Target	2015 (Actual)	2016 (Actual)	2017 (Plan)
issue of air operator's certificates (working days) .....	60	60	60	<b>60</b>
issue of aircraft certificates of registration (working days) .....	3	3	3	<b>3</b>
issue of aircraft maintenance licences (working days) .....	6	6	6	<b>6</b>
issue of professional pilot licences (working days) .....	3.5	3.5	3.5	<b>3.5</b>
approval of aircraft maintenance organisations (working days) .....	60	60	60	<b>60</b>
approval of flying training organisations (working days) .....	60	60	60	<b>60</b>
approval of maintenance training organisations (working days) .....	60	60	60	<b>60</b>
flight operations and cabin safety inspections .....	130	132	136	<b>130</b>
inspections of operations and maintenance services at Hong Kong air operators' outstations .....	45	46	45	<b>45</b>
inspections of overseas maintenance facilities .....	25	25	25	<b>25</b>
inspections of local maintenance organisations .....	55	55	55	<b>55</b>
inspections of maintenance training organisations .....	5	5	5	<b>5</b>

### *Indicators*

	2015 (Actual)	2016 (Actual)	2017 (Estimate)
aircraft registered on the Hong Kong Civil Aircraft Register .....	311	327	<b>359</b>
air operator's certificates issued .....	10	10	<b>11</b>
local flight crew examination papers processed .....	2 555	2 095 <sup>β</sup>	<b>2 100<sup>β</sup></b>
overseas flight crew examination papers processed .....	4 366	2 717 <sup>β</sup>	<b>2 800<sup>β</sup></b>
aircraft maintenance licence examination papers processed .....	3 681	3 580	<b>3 600</b>
medical certificates processed .....	5 541	5 576	<b>5 600</b>
flight crew and aircraft maintenance licences processed .....	4 749	4 908	<b>5 000</b>
approval/renewal of approved flight simulators .....	37	46	<b>45</b>
approval of authorised examiners/approved persons .....	281	272	<b>280</b>

β The decrease in 2016 was due to decelerated growth in recruitment of flight crew by Hong Kong air operators. The figure is expected to remain at a similar level in 2017.

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### *Matters Requiring Special Attention in 2017–18*

6 During 2017–18, the Department will continue to:

- monitor the operational safety of Hong Kong air operators and airworthiness of aircraft registered in Hong Kong, and
- liaise with overseas aeronautical authorities on mutual recognition of aircraft maintenance organisations.

### **Programme (2): Airport Standards**

	2015–16 (Actual)	2016–17 (Original)	2016–17 (Revised)	<b>2017–18 (Estimate)</b>
Financial provision (\$m)	51.4	52.2	51.2 (–1.9%)	<b>57.1</b> (+11.5%)
				(or +9.4% on 2016–17 Original)

### *Aim*

7 The aim is to set and enforce aerodrome safety and aviation security standards, and to keep the related legislation up-to-date.

### *Brief Description*

8 The Airport Standards Division of the Department is responsible for the licensing, regulation, inspection and monitoring of the safety and security standards of international aerodromes, including heliports, in Hong Kong. The work involves:

- establishing aerodrome licensing standards and issuing licences for aerodromes;
- establishing and maintaining a system for monitoring the performance of aerodrome licensees in the areas of aerodrome safety and aviation security;
- monitoring the safety procedures and practices in respect of the operation of the Hong Kong International Airport (HKIA);
- ensuring compliance with the Hong Kong Aviation Security Programme and provisions of the Aviation Security Ordinance (Cap. 494) and its subsidiary legislation;
- liaising with foreign and local authorities on matters relating to the handling and sharing of threat and security sensitive information for compliance with the Standards and Recommended Practices set by the International Civil Aviation Organization (ICAO);
- implementing audit and inspection plans to monitor the execution of security programmes by airport operators, airline operators, tenant restricted area operators and regulated agents;
- enforcing the Hong Kong Airport (Control of Obstructions) Ordinance (Cap. 301) and its subsidiary legislation;
- monitoring the carriage of dangerous goods by air through inspections, and keeping up-to-date and enforcing the Dangerous Goods (Consignment by Air) (Safety) Ordinance (Cap. 384) and its subsidiary legislation;
- enforcing the Air Navigation (Flight Prohibition) Order (Cap. 448E);
- monitoring the noise and flight tracks of aircraft operating to and from the HKIA; and
- monitoring the demand for helicopter services and facilitating the operation of such services and heliport development.

9 The Airport Standards Division ensures that operations at the HKIA comply with all relevant airport safety and aviation security standards through a number of measures. These include vetting and endorsing the airport safety procedures in accordance with the Aerodrome Manual, the Safety Management System Manual and the Emergency Procedures Manual as well as the security control measures stated in the security programmes of the airport and other operators, and inspecting the airport operational facilities and aviation security facilities.

10 The key performance measures are:

### *Targets*

	Target	2015 (Actual)	2016 (Actual)	<b>2017 (Plan)</b>
audit relating to aerodrome licensing issues.....	14	14	14	<b>14</b>

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	Target	2015 (Actual)	2016 (Actual)	2017 (Plan)
audit of airport operators and airport tenants to ensure compliance with the requirements in the Hong Kong Aviation Security Programme .....	16	15	16	<b>16</b>
inspections of airport operators and operational facilities .....	130	130	130	<b>130</b>
inspections of shippers, freight forwarders, airlines and ground handling agents in respect of their dangerous goods handling standards .....	100	108	98	<b>100</b>
inspections of operators in respect of their security programmes submitted under the Aviation Security Ordinance .....	100	100	100	<b>100</b>
inspections of all regulated agents on the register of regulated agents once every two years (%) .....	100	100	100	<b>100</b>
vetting building plans/development proposals and lighting proposals for compliance with airport height restrictions and other aviation safety requirements (working days per application) .....	11.0	12.6	11.8	<b>12.0</b>
processing applications for exemption from height restrictions prescribed by orders made under the Hong Kong Airport (Control of Obstructions) Ordinance (working days per application) .....	10.0	10.4	12.0 <sup>^</sup>	<b>12.0<sup>^</sup></b>
processing applications from cargo agents for registration as regulated agents and the associated security programmes (working days per application) .....	14	14	14	<b>14</b>
processing applications for carriage of dangerous goods and munitions by air (working days per application) .....	11	11	11	<b>11</b>

<sup>^</sup> The longer lead time in 2016 was due to the complexity of the applications for exemption submitted by developers and consultants. The figure in 2017 is expected to remain at a higher level.

### *Indicators*

	2015 (Actual)	2016 (Actual)	2017 (Estimate)
applications for registration as regulated agents .....	101	102	<b>100</b>
regulated agents on the register of regulated agents .....	1 450	1 469	<b>1 460</b>
building plans/development proposals and lighting proposals submitted for assessment of compliance with airport height restrictions and other aviation safety requirements .....	377	476 <sup>#</sup>	<b>470<sup>#</sup></b>
applications for exemption from height restrictions prescribed by orders made under the Hong Kong Airport (Control of Obstructions) Ordinance .....	233	303 <sup>@</sup>	<b>300<sup>@</sup></b>

<sup>#</sup> The increase in 2016 was due to the rise in number of building plans and development proposals submitted by developers and consultants, in particular for the on-airport development at the HKIA and the expansion of the HKIA into a three-runway system. The figure is expected to remain at a similar level in 2017.

<sup>@</sup> The increase in 2016 was due to the rise in number of applications for exemption, in particular for the Hong Kong-Zhuhai-Macao Bridge Project and the expansion of the HKIA into a three-runway system as the works areas stretched over the vicinity of the runway of the HKIA, where the height restrictions are more stringent for aircraft operations. The figure is expected to remain at a similar level in 2017.

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### *Matters Requiring Special Attention in 2017–18*

11 During 2017–18, the Department will:

- continue to provide advice and guidance to the Airport Authority (AA) as well as conduct inspections to ensure that the HKIA meets the required safety and security standards and satisfies all aerodrome licensing requirements;
- continue to review the Hong Kong Aviation Security Programme in the light of international standards and relevant considerations;
- continue to monitor airfield enhancement works at the HKIA to ensure that the new facilities meet aerodrome licensing standards;
- continue to provide advice and guidance to the AA on the expansion of the HKIA into a three-runway system to ensure that the expansion is planned and carried out in compliance with all aerodrome licensing requirements;
- continue to vet building plans/development proposals to ensure compliance with airport height restrictions;
- introduce legislative amendments as necessary in relation to the ICAO's latest standards on carriage of dangerous goods by air;
- continue to monitor aircraft noise and flight tracks, and implement the noise abatement programme; and
- continue to regularly review the demand for helicopter services and take forward projects and initiatives on the development of heliports and provision of helicopter services.

### **Programme (3): Air Traffic Management**

	2015–16 (Actual)	2016–17 (Original)	2016–17 (Revised)	<b>2017–18 (Estimate)</b>
Financial provision (\$m)	409.3	425.8	430.3 (+1.1%)	<b>451.9</b> (+5.0%)
				(or +6.1% on 2016–17 Original)

### *Aim*

12 The aim is to maintain a safe, orderly and expeditious flow of air traffic within the Hong Kong Flight Information Region (HKFIR) through the provision of quality air navigation services and aeronautical information services, and to co-ordinate search and rescue operations in the event of aircraft accidents.

### *Brief Description*

13 The Air Traffic Management Division of the Department is responsible for the provision of air traffic services for the safe and efficient operations of aircraft within the HKFIR, which has a total area of 276 000 km<sup>2</sup> and extends over the South China Sea to some 370 km to the east and south-east of Hong Kong and 580 km to the south. It also provides quality telecommunication services for the Hong Kong aviation community and acts as an important node in the global aeronautical communication network. The work involves:

- providing positive control over all air traffic to ensure aviation safety;
- providing information essential for the safe and efficient conduct of flights;
- designing flight routes and aircraft arrival/departure procedures;
- co-ordinating, in conjunction with the AA, periodic review of the capacity of the runways to meet demand;
- alerting appropriate organisations regarding aircraft in need of search and rescue services and co-ordinating search and rescue missions;
- operating the Aeronautical Fixed Telecommunication Network (AFTN) between Hong Kong and adjacent Flight Information Regions and providing Aeronautical Broadcast Services to aircraft;
- maintaining close liaison with civil aviation authorities of the Mainland and Macao to review and evaluate air traffic control and flight procedures for airports in the Pearl River Delta region;
- maintaining close liaison with the AA and industry partners to improve the safety and efficiency of operations at the HKIA;
- co-ordinating with neighbouring Area Control Centres (ACCs) in the implementation of updated air traffic control procedures;

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- participating actively in the ICAO working group, task force and panel meetings in the areas of air traffic management and airspace capacity enhancement; and
- providing professional and technical training to all air traffic control staff to ensure that competence is maintained up to the highest possible standard.

14 The air traffic control systems (ATC systems) at the HKIA continue to operate smoothly with a high standard of safety and efficiency. The operating efficiency has been enhanced and the declared runway capacity has been increased to 68 movements per hour since October 2015.

15 The key performance measures are:

### *Target*

	Target	2015 (Actual)	2016 (Actual)	2017 (Plan)
availability of the AFTN (%).....	99.9	99.9	99.9	99.9

### *Indicators*

	2015 (Actual)	2016 (Actual)	2017 (Estimate)
aircraft movements.....	407 623	413 077	420 000
aircraft transiting HKFIR.....	250 198	281 429	312 000
notices to airmen and aeronautical information publication supplements issued/received.....	613 305	638 391	670 300
pre-flight bulletins issued.....	269 763	380 373 <sup>Ψ</sup>	399 400 <sup>Ψ</sup>
telecommunication messages relayed by the AFTN (million).....	49	58	63

Ψ The increase in 2016 was mainly due to change to a new system for handling pre-flight bulletins in end 2015. The new system is able to present full version of the pre-flight bulletins with more details instead of the abridged version under the old system. Increase in aircraft movements in 2016 also led to an increase in the number of “pre-flight bulletins issued”. The figure is expected to continue to grow in 2017.

### *Matters Requiring Special Attention in 2017–18*

16 During 2017–18, the Department will:

- continue to improve the efficiency of air traffic management in order to further enhance the runway capacity of the HKIA,
- continue to co-ordinate with neighbouring ACCs to rationalise and optimise the airspace design of the Pearl River Delta region,
- refine air traffic operating procedures and improve air traffic control and air navigation services to enhance flight safety and capacity of the HKFIR,
- provide professional inputs to AA’s preparation work in respect of flight routes and procedures design in support of the development of the HKIA into a three-runway system,
- recruit and train more air traffic control staff to meet air traffic services demand and support the future three-runway system, and
- continue to implement the safety management system in accordance with the ICAO’s requirements to ensure that a high level of safety is maintained in the provision of air traffic services.

### **Programme (4): Air Traffic Engineering Services**

	2015–16 (Actual)	2016–17 (Original)	2016–17 (Revised)	2017–18 (Estimate)
Financial provision (\$m)	300.1	306.9	311.5 (+1.5%)	304.9 (–2.1%)
				(or –0.7% on 2016–17 Original)

### *Aim*

17 The aim is to maintain the air navigation services systems up to the highest standard, and to ensure the smooth and timely completion of engineering projects within budget.

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### *Brief Description*

18 The Air Traffic Engineering Services Division of the Department is responsible for the design, co-ordination, provision and maintenance of ATC systems, radar, navigational aids, communications equipment and information technology systems. The work involves:

- overseeing the enhancement and maintenance of air traffic control facilities and organising periodic flight calibration of equipment validation;
- planning the reprovisioning of the Air Traffic Control Centre (ATCC) in the airfield, and implementing the replacement of the ATC systems leading to its full commissioning in November 2016;
- planning and implementing the replacement and enhancement of communications, navigation and surveillance facilities;
- co-ordinating with works departments for the improvement works for on-airport and off-airport equipment stations;
- planning, studying, conducting trials and phased implementation of the satellite-based Communications, Navigation, Surveillance/Air Traffic Management (CNS/ATM) Systems in accordance with the ICAO Global Air Navigation Plan; and
- planning, implementing and enhancing information technology systems and establishing the cyber security policy for ATC systems and information and communications technology systems in line with the e-government objective and ICAO requirements.

19 The key performance measures are:

#### *Targets*

	Target	2015 (Actual)	2016 (Actual)	<b>2017 (Plan)</b>
electronic engineering projects completed on time and within budget (%) .....	98	98	98	<b>98</b>
availability of air traffic control equipment (%) .....	99.9	99.9	99.9	<b>99.9</b>

#### *Indicator*

	2015 (Actual)	2016 (Actual)	<b>2017 (Estimate)</b>
CNS/ATM trials and electronic engineering projects completed.....	10	10	<b>10</b>

### *Matters Requiring Special Attention in 2017–18*

20 During 2017–18, the Department will:

- continue to enhance the maintenance programme for the existing radar, navigational aids and radio communication systems to meet the air traffic growth and to co-ordinate with aviation stakeholders to plan for replacement of these systems;
- enhance the performance of the new ATC systems commissioned in November 2016 by necessary optimisation work and co-ordinate with works departments for retrofitting the ATCC in the airfield and provision of new ATC systems herein as a backup ATCC;
- continue trials and the phased implementation of the satellite-based CNS/ATM Systems; and
- plan for provision or enhancement of ATC and CNS/ATM systems to support the future three-runway system operations in the HKIA.

### **Programme (5): Air Services and Safety Management**

	2015–16 (Actual)	2016–17 (Original)	2016–17 (Revised)	<b>2017–18 (Estimate)</b>
Financial provision (\$m)	42.5	43.2	49.0 (+13.4%)	<b>51.9</b> (+5.9%)
				(or +20.1% on 2016–17 Original)

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### *Aim*

21 The aim is to implement air services arrangements and aviation policy to enable air services to be operated to meet demand, to develop and implement safety policy to promote and enhance safety in the aviation system, to set and enforce air navigation services standards in compliance with international civil aviation safety requirements, to regulate the air navigation services and operations and to provide schedule co-ordination and slot allocation services.

### *Brief Description*

22 The Air Services and Safety Management Division of the Department is responsible for:

- facilitating the operation of scheduled services in accordance with air services agreements and arrangements;
- regulating non-scheduled air services and private non-revenue flights;
- providing information to the Air Transport Licensing Authority for consideration regarding applications by local airlines for licences to operate scheduled air services;
- providing information to the Transport and Housing Bureau (THB) for air services negotiations;
- providing schedule co-ordination and slot allocation services to airlines and other aircraft operators;
- reviewing and, if necessary, proposing changes to civil aviation legislation;
- co-ordinating the Department's participation in the activities of international organisations, particularly the ICAO and the Asia-Pacific Economic Cooperation (APEC);
- co-ordinating, in conjunction with the AA, periodic review of air transport demand forecasts;
- co-ordinating the supply of air traffic statistics to international organisations;
- co-ordinating the implementation of ICAO Universal Safety Oversight Audit Programme (USOAP) Continuous Monitoring Approach in Hong Kong and Hong Kong Safety Programme to ensure compliance with the applicable new ICAO Annex 19 provisions;
- approving air traffic control training courses, issuing air traffic control licences and the associated air traffic control ratings and certificates; and
- formulating the departmental training policy, including the establishment of a training and development plan/programme for departmental professional grade staff.

23 The key performance measures are:

### *Targets*

	Target	2015 (Actual)	2016 (Actual)	2017 (Plan)
processing applications for non-scheduled air services permits (working days per application) .....	3	3	3	3
inspections of air navigation services operations/training/examination .....	28	28	28	28

### *Indicators*

	2015 (Actual)	2016 (Actual)	2017 (Estimate)
scheduled air services permits issued.....	139	124	130
non-scheduled air services permits issued .....	934	891	900
tariff filings processed.....	3 186	1 576 <sup>α</sup>	3 200 <sup>α</sup>
applications for schedule changes.....	4 812	4 255	4 300
notifications, returns, etc., to and from the ICAO.....	408	408	400
notifications, returns, etc., to and from the APEC .....	25	25	25
air traffic control licences, ratings and certificates issued .....	90	69	148 <sup>Ω</sup>
air traffic control ratings and certificates renewed.....	163	192	195

<sup>α</sup> The decrease in 2016 was due to the suspension of the levying of passenger and cargo fuel surcharges by airlines with effect from February and April 2016 respectively due to, among others, reduced and stabilised fuel prices. The increase in 2017 takes into account the trend of increasing fuel prices. The Department is conducting a consultancy study on fuel surcharges with a view to formulating the long-term strategy.

<sup>Ω</sup> The increase in the number of air traffic control licences, ratings and certificates to be issued for air traffic control staff in 2017 is due to the resumption of air traffic control staff training after the transition to the new ATCC.



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### *Matters Requiring Special Attention in 2017–18*

24 During 2017–18, the Department will:

- continue to monitor the development of the ICAO’s initiatives in air transport and take necessary action to align our legal framework for regulating air transport and aviation safety (especially on air accident investigation) with the latest ICAO standards and international practices,
- assist in the transition of civil aviation accident/serious incident investigation functions in the Department to a new air accident investigation authority under the THB,
- review the regulation of unmanned aircraft systems in Hong Kong,
- continue to provide support to the negotiation and implementation of Hong Kong’s air services agreements and promote Hong Kong as an international and regional aviation centre,
- continue to monitor the slot utilisation and time keeping performance of airlines and other aircraft operators,
- continue to co-ordinate the implementation of the ICAO USOAP Continuous Monitoring Approach in Hong Kong,
- continue to implement the Hong Kong Safety Programme and the related new ICAO Annex 19 provisions,
- continue to oversee the implementation of safety management initiatives for ensuring the safe provision of air navigation services in accordance with ICAO requirements, and
- continue to provide the necessary input and advice to the AA to help it take forth the establishment of a civil aviation academy.

### **Programme (6): Air Passenger Departure Tax Administration**

	2015–16 (Actual)	2016–17 (Original)	2016–17 (Revised)	<b>2017–18 (Estimate)</b>
Financial provision (\$m)	1.9	2.0	2.0 (—)	<b>2.1</b> (+5.0%)
				(or +5.0% on 2016–17 Original)

### *Aim*

25 The aim is to ensure effective administration of the Air Passenger Departure Tax (APDT) collection pursuant to the Air Passenger Departure Tax Ordinance (Cap. 140).

### *Brief Description*

26 The Revenue Section of the Finance Division of the Department is responsible for:

- monitoring airlines’ and helicopter companies’ compliance with their legal obligation to collect the APDT from departing air passengers;
- handling applications for refund/waiver;
- monitoring prompt banking of the APDT collected by airlines and helicopter companies to Government’s accounts; and
- reviewing the rate of charges payable to airlines, helicopter companies and other agents in connection with the collection of the APDT.

27 The key performance measures are:

### *Target*

	Target	2015 (Actual)	2016 (Actual)	<b>2017 (Plan)</b>
applications for refund received by post processed within 29 working days (%)....	99	99	99	<b>99</b>

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*Indicators*

	2015 (Actual)	2016 (Actual)	2017 (Estimate)
taxpayers .....	20 791 648	21 651 000 $\mu$	<b>22 492 000</b>
exemptions processed.....	19 535	24 200 $\mu$	<b>25 100</b>
amount of APDT collected (\$m).....	2,446.5	2,552.3	<b>2,688.0</b>

$\mu$  Provisional actual subject to adjustment.

***Matters Requiring Special Attention in 2017–18***

**28** During 2017–18, the Department will continue to monitor the collection and refund of the APDT through checking monthly returns on details of departing passengers and aircraft departures submitted by airline operators and helicopter companies.

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### ANALYSIS OF FINANCIAL PROVISION

	2015-16 (Actual) (\$m)	2016-17 (Original) (\$m)	2016-17 (Revised) (\$m)	2017-18 (Estimate) (\$m)
<b>Programme</b>				
(1) Flight Standards .....	104.6	115.6	113.0	<b>126.8</b>
(2) Airport Standards .....	51.4	52.2	51.2	<b>57.1</b>
(3) Air Traffic Management .....	409.3	425.8	430.3	<b>451.9</b>
(4) Air Traffic Engineering Services .....	300.1	306.9	311.5	<b>304.9</b>
(5) Air Services and Safety Management .....	42.5	43.2	49.0	<b>51.9</b>
(6) Air Passenger Departure Tax Administration.....	1.9	2.0	2.0	<b>2.1</b>
	909.8	945.7	957.0 (+1.2%)	<b>994.7</b> <b>(+3.9%)</b>
				<b>(or +5.2% on 2016-17 Original)</b>

#### Analysis of Financial and Staffing Provision

##### Programme (1)

Provision for 2017-18 is \$13.8 million (12.2%) higher than the revised estimate for 2016-17. This is mainly due to the increased provision for the creation of four posts in 2017-18, filling of vacancies and other operating expenses.

##### Programme (2)

Provision for 2017-18 is \$5.9 million (11.5%) higher than the revised estimate for 2016-17. This is mainly due to the increased provision for the creation of five posts in 2017-18, filling of vacancies and other operating expenses.

##### Programme (3)

Provision for 2017-18 is \$21.6 million (5.0%) higher than the revised estimate for 2016-17. This is mainly due to the increased provision for the creation of 18 posts in 2017-18, filling of vacancies and other operating expenses.

##### Programme (4)

Provision for 2017-18 is \$6.6 million (2.1%) lower than the revised estimate for 2016-17. This is mainly due to the reduced provision for operating expenses, partly offset by the increased provision for replacing ageing equipment and system and the creation of four posts in 2017-18.

##### Programme (5)

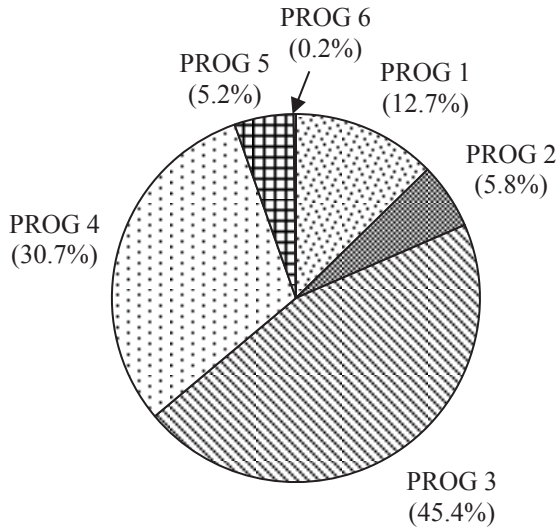
Provision for 2017-18 is \$2.9 million (5.9%) higher than the revised estimate for 2016-17. This is mainly due to the increased provision for the creation of two posts in 2017-18, filling of vacancies and other operating expenses.

##### Programme (6)

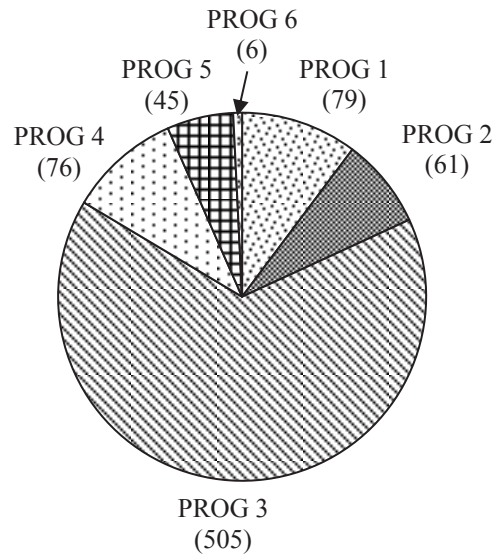
Provision for 2017-18 is \$0.1 million (5.0%) higher than the revised estimate for 2016-17. This is mainly due to the increased provision for operating expenses.

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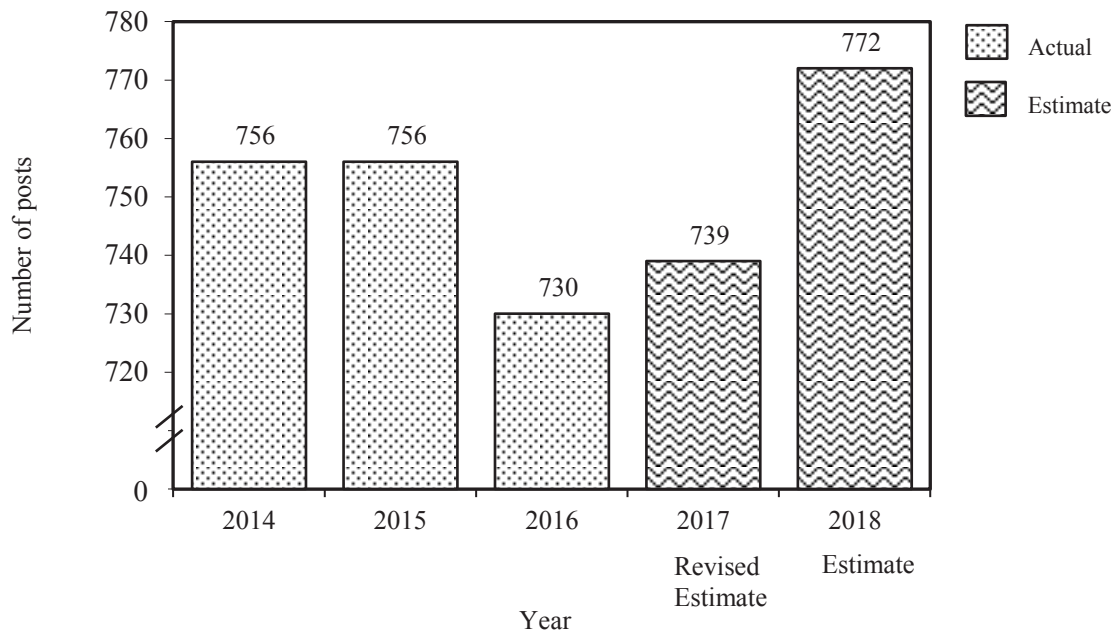
*Allocation of provision to programmes (2017-18)*



*Staff by programme (as at 31 March 2018)*



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



**Head 28 — CIVIL AVIATION DEPARTMENT**

Sub-head (Code)	Actual expenditure 2015-16	Approved estimate 2016-17	Revised estimate 2016-17	<b>Estimate 2017-18</b>	
	\$'000	\$'000	\$'000	<b>\$'000</b>	
<b>Operating Account</b>					
Recurrent					
000	Operational expenses .....	901,695	929,666	942,633	<b>976,030</b>
170	Airport insurance .....	5,040	6,000	4,410	<b>5,200</b>
	Total, Recurrent.....	906,735	935,666	947,043	<b>981,230</b>
	Total, Operating Account .....	906,735	935,666	947,043	<b>981,230</b>
<b>Capital Account</b>					
Plant, Equipment and Works					
661	Minor plant, vehicles and equipment (block vote).....	3,114	10,000	10,000	<b>13,500</b>
	Total, Plant, Equipment and Works.....	3,114	10,000	10,000	<b>13,500</b>
	Total, Capital Account.....	3,114	10,000	10,000	<b>13,500</b>
	Total Expenditure .....	909,849	945,666	957,043	<b>994,730</b>

## Head 28 — CIVIL AVIATION DEPARTMENT

### Details of Expenditure by Subhead

The estimate of the amount required in 2017–18 for the salaries and expenses of the Civil Aviation Department is \$994,730,000. This represents an increase of \$37,687,000 over the revised estimate for 2016–17 and \$84,881,000 over the actual expenditure in 2015–16.

#### *Operating Account*

#### Recurrent

**2** Provision of \$976,030,000 under *Subhead 000 Operational expenses* is for the salaries, allowances and other operating expenses of the Civil Aviation Department.

**3** The establishment as at 31 March 2017 will be 739 posts including one supernumerary post. It is expected that there will be an increase of 33 permanent posts in 2017–18. Subject to certain conditions, the controlling officer may under delegated power create or delete non-directorate posts during 2017–18, but the notional annual mid-point salary value of all such posts must not exceed \$544,203,000.

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

	2015–16 (Actual) (\$'000)	2016–17 (Original) (\$'000)	2016–17 (Revised) (\$'000)	2017–18 (Estimate) (\$'000)
Personal Emoluments				
- Salaries.....	499,467	526,626	526,531	<b>570,550</b>
- Allowances.....	6,235	5,450	6,770	<b>6,420</b>
- Job-related allowances.....	553	1,168	843	<b>1,208</b>
Personnel Related Expenses				
- Mandatory Provident Fund contribution.....	1,563	1,401	1,435	<b>1,170</b>
- Civil Service Provident Fund contribution.....	20,635	23,770	24,453	<b>28,847</b>
Departmental Expenses				
- General departmental expenses .....	373,242	371,251	382,601	<b>367,835</b>
	901,695	929,666	942,633	<b>976,030</b>

**5** Provision of \$5,200,000 under *Subhead 170 Airport insurance* is for the purchase of insurance against financial liabilities which the Government might incur for provision of air traffic services for the Hong Kong International Airport. The increase of \$790,000 (17.9%) over the revised estimate for 2016–17 is to cater for an increase in premium due to the additional electronic equipment and projected increase in air traffic.

**6** Provision of \$13,500,000 under *Subhead 661 Minor plant, vehicles and equipment (block vote)* represents an increase of \$3,500,000 (35%) over the revised estimate for 2016–17. This is mainly due to the increased requirement for replacement of ageing equipment and system.