7. DHKO's approval for (i) SO(A)61, SO(F)22 and SEO(A)63 to attend the 106th AMS Annual Meeting (Para. 2) and the one-day professional development short course (Para. 3) in person; and (ii) Ag.SSO(A)5 and SO(R)11 to attend the conferences online (Para. 6) is sought please.

(CK Pan) SSO(F)2 (WH Leung) SSO(R)1 (MH Kok) SSO(A)6

22.12.2025

M.20

AD(A) 19/1

via SSO(A)6 Supported. 19/1

Ag. SSO(A)5 Funds are reserved under A3's DE estimate. 19/1

Acquisition of IT Contract Staff via T26 Contract

A6 is developing a 4D Weather Cube (4DWxCube) gridded meteorological data provision system to support new aviation weather services. It will contain gridded data of meteorological elements and hazardous weather information based on nowcasting, numerical weather prediction (NWP) model data as well as new observations at HKIA. Major areas of development include: (i) Advance rapid analysis for the 4DWxCube, including ingestion and quality control of observational data from HKIA, with a focus on integrating new observations from the 3RS; (ii) Research and develop methods to assimilate 3RS observational data into the 4DWxCube, particularly in the low-level airspace and surface environment, to better support aircraft operations under complex 3RS conditions; (iii) Design and construct a unified data architecture to harmonise heterogeneous observational datasets and numerical weather prediction outputs within the 4DWxCube framework; (iv) Perform calculations and analytics on aviation hazardous weather encounters using integrated 4DWxCube data to assist air traffic management and airline operations under the 3RS regime; (v) Improve visualisation tools and computational efficiency for 3D representations of hazardous weather phenomena.

2. The current contact of AP(A)62 will end on 31 Mar 2026. All current A6 staff are fully occupied by existing tasks with no spare capacity to take up the work mentioned in para. 1.

3. Your approval is sought to recruit a T-Contract Analyst Programmer (CAP) via T26 contract for a period of 12 months, from 1 April 2026 to 31 March 2027 inclusive, to take up the respective works. The estimated total cost for the 12-month contract is around HK$899k. Funds have been reserved under A5's DE (float (1)). The filled request form for engaging T-contract service is attached at float (2). Subject to your approval, we will follow up with ITMU on arranging the recruitment exercise.

Danice Ng.

(Danice YL Ng)
SO(A)61
19.01.2026

To: AD(A)

via: SSO(A)6 Supported. 5/1

Request for engaging T-contract staff

A6 would like to hire a T-contract staff of category CAP. Your approval is sought on the proposed acquisition for a total cost of around HK$899k funded by A5 DE, requirement and justification of the request are detailed in the form below:

Part I	
(a)	**Division/Section :** A6
(b)	**Description of the services involved and IT professional resources required :** Provide programming support for the development of the 4D Weather Cube for enhancing aviation weather services.
(c)	**Staff category/categories of the T-contract staff to be engaged :** CAP
(d)	**No. of T-contract staff to be engaged :** 1
(e)	**Duration of engagement :** 2026-04-01 - 2027-03-31
(f)	**Job description of the T-contract staff to be engaged :** (i) Advance rapid analysis for the 4DWxCube, including ingestion and quality control of observational data from HKIA, with a focus on integrating new observations from the 3RS; (ii) Research and develop methods to assimilate 3RS observational data into the 4DWxCube, particularly in the low-level airspace and surface environment, to better support aircraft operations under complex 3RS conditions; (iii) Design and construct a unified data architecture to harmonise heterogeneous observational datasets and numerical weather prediction outputs within the 4DWxCube framework; (iv) Perform calculations and analytics on aviation hazardous weather encounters using integrated 4DWxCube data to assist air traffic management and airline operations under the 3RS regime; (v) Improve visualisation tools and computational efficiency for 3D representations of hazardous weather phenomena.

Part II

Reasons of engagement :

A6 is developing a 4D Weather Cube (4DWxCube) gridded meteorological data provision system to support new aviation weather services. It will contain gridded data of meteorological elements and hazardous weather information based on nowcasting, numerical weather prediction (NWP) model data as well as new observations at HKIA. The 4DWxCube will also support the operational decision making of aviation users, such as AAHK, airlines and ATM unit. A T-contract AP will complete his contract on 31 March 2026. To continue the development work, a T-contract AP is required in FY2026/27.

Part III

Alternatives considered :

All current staff of A6 is fully occupied by existing tasks and there is no spare capacity to take up additional IT development work as described under Part I(f) above. Streamlining and re-engineering of procedures/ automation had been explored but found not feasible as the work involves new development tasks. Outsourcing or hire of services would be considered to be inefficient and not viable as successful management of the tasks requires close collaboration between the development staff and HKO officers.

Part IV

Approving Officer's comments :

(Recruitment of T-Contract staff should be approved by directorate rank officer.)

Proposed recruitment is approved to sustain the development of the 4D Western Cycle.

Requester:	Danice NG	Approving officer:	
Name:	(NG Yin Lam, Danice)	Name:	(CHAN Sai Tick)
Rank / Post:	SO(A)61	Rank / Post:	AD(A)
Date:	5 Jan 2026	Date:	21 January 2026

*** END ***