

**54th CONFERENCE OF
DIRECTORS GENERAL OF CIVIL AVIATION
ASIA AND PACIFIC REGIONS**

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**AGENDA ITEM 3: AVIATION SAFETY AND
AIR NAVIGATION**

HONG KONG AVIATION TRAINING ACADEMY

(Presented by Hong Kong, China)

SUMMARY

In view of Hong Kong International Airport's own 3 Runway System (3RS) expansion plus the projected increases in the demand for aviation services in the APAC region, the Hong Kong Airport Authority established its first Civil Aviation Training Academy. The Academy known as the 'Hong Kong International Aviation Academy' (HKIAA) will provide the platform to coordinate with industry to fill the current gaps in aviation training, and to provide new training capacity both domestically as well as regionally. Using HKIA's renowned aviation brand, the HKIAA will attract and develop talent for the local industry, while at the same time support regional aviation as well as ICAO's initiative "No country left behind" and 'The next generation of aviation professionals'.

HONG KONG AVIATION TRAINING ACADEMY

1. INTRODUCTION

1.1 Civil aviation is a continuous growing business. Over the next 20 years, the number of global aviation passengers is expected to grow by an average 5% per annum, while the growth in the Asia Pacific region alone is forecast to grow by 6% per annum. At the same time, the number of new aircraft to be delivered worldwide and in Asia Pacific region are estimated at over 39 000 (valued at about HK\$46.2 trillion or US\$5.9 trillion) and over 15 000 (valued at about HK\$18.3 trillion or US\$2.4 trillion) respectively ¹.

1.2 The growth in China is even more phenomenal. At the end of 2015, China had 207 civil airports and this is expected to grow to 260 by 2020 to handle an anticipated growth in passengers from 910 million in 2015 to 2.2 billion by 2025. According to the National Development and Reform Commission and the Civil Aviation Administration of China, China aims to build 136 new airports by 2025 as it establishes itself as a world-class international and regional aviation hub.

2. DISCUSSION

2.1 Following the Hong Kong's Chief Executive's Policy Address announcement in 2016 to further strengthen Hong Kong's edge as a major regional aviation hub, it was agreed that the AAHK would implement the plan to establish Hong Kong's first civil aviation training academy. At the same time, it is anticipated that upon the completion of HKIA's 3RS project, a vast supply of aviation professionals and technical staff will be required to cater for HKIA's future operational needs. The HKIAA will not only provide for domestic demand but will also develop capacity to support regional aviation growth.

Objectives of the HKIAA

2.2 To meet the objectives of nurturing talents to meet the wide spectrum of future aviation needs both locally and regionally, the HKIAA will offer aviation training through a series of interrelated activities and industry collaboration to develop and deliver training products across four training areas.

2.3 Firstly, to create greater awareness amongst Hong Kong's young people of the importance of the aviation sector as well as the jobs and career opportunities it provides. In this connection, the HKIAA will connect airport based industries and potential employees to help meet industry's manpower needs, and to offer Hong Kong's students in universities and vocational institutions access to aviation related internships schemes.

2.4 Secondly, to provide a new set of standard of introductory training for all new airport joiners. This will ensure consistency among all airport sectors and also help to alleviate training overheads incurred by the ground handling organizations.

2.5 Thirdly, to support both Hong Kong based professionals, as well as those from regional 'belt and road' countries in satisfying professional competency and certification requirements through the provision of short professional aviation programmes. Specialized training such as courses related to the technical skills and knowledge for airport operations and airport management, aviation safety and security, aviation services, and air traffic services, will also be provided. Instructors for these specializations will be drawn from the relevant aviation service industry and include retirees who are Subject Matter Experts (SME).

¹ Current market outlook 2016-2035, World regions published by Boeing Capital; (all dollars values are in 2015 prices)

2.6 Fourthly, academic aviation programmes are now playing an increasingly important role today in helping the industry source its new professionals. The HKIAA is working very closely with both local and overseas academic & vocational institutions to offer a comprehensive range of aviation related diploma, undergraduate and post graduate programmes. The HKIAA has partnered with ENAC to deliver an Advanced Masters in Air Transport Management beginning in December 2017, which will be delivered exclusively in Hong Kong. The programme has secured sponsorship to allow up to 15 students from ‘belt and road’ countries to attend the 18 month programme.

ICAO TRAINAIR Plus

2.7 HKIAA’s drive to become a regional training hub involves joining ICAO’s TRAINAIR Plus network. The HKIAA has set an aggressive timetable to attain the status of Full TRAINAIR membership. In October the HKIAA will host ICAO’s Training Development Course (TDC) as a prelude to setting up its own Course Development Unit after which it will begin to develop its own ICAO standard training packages (STP).

2.8 In the short to medium term, the HKIAA professional programme portfolio will include three specialized categories, airport management, aviation safety and security, and air traffic control service training plus foundation courses that generate interest amongst the public and provide new joiners with essential knowledge of airport operations.

The Campus

2.9 The Academy’s campus extends across several facilities throughout the Airport Island. Apart from indoor facilities, there are also outdoor training facilities including a training and examination area for the Airside Driving Qualification Scheme, and an aircraft fuselage mockup built on the cargo apron to aid ground services training.

2.10 The HKIAA will until 2019/20 operate from the Airport World Trade Centre (AWTC). At present, facilities include three dedicated new training rooms in the AWTC together with the existing Aviation Security Training Centres (AVSEC ASTC) and teaching / training facilities in CAD such as the flight simulator and ATC simulator. By the end of 2017, a new Virtual Reality (VR) training facility will be open and this will be operated alongside the HKIAA. Currently, a new reception centre has already been set up on the ground floor of the AWTC to promote the HKIAA’s services.

2.11 The Academy’s permanent site will be available in 2019/20, when a purpose built 6,500 m² facility, located on the 9F of Carpark 4 (CP4). This facility will house all the HKIAA’s training facilities including all facilities for aviation security training, and include both language and VR laboratories plus a technology demonstration facility.

3. ACTION BY THE CONFERENCE

3.1 The Conference is invited to note the information contained in this Paper.

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