



Thirtieth Meeting of the Communications/Navigation and Surveillance Sub-group (CNS SG/30) of APANPIRG

WP/34

Integrated ATSEP Training by Hong Kong China in Supporting the ICAO Next Generation of Aviation Professionals Programme

Presented by Hong Kong, China

Introduction

ICAO's Next Generation of Aviation Professionals (NGAP) Programme

Civil Aviation is a Growing Sector

Global Aviation Industry Growth & Constraints

- Growth - Strongly drives economic development and strengthens connectivity
- Constraints - Shortage of skilled aviation professionals which constraints the growth in air transport.



ICAO's Next Generation of Aviation Professionals (NGAP) Programme

ICAO's NGAP accelerate supply of qualified and competent aviation professionals needed to meet the future demands and support the growth in air transport across:

- ✓ **States/Administrations**
- ✓ **International Organization**
- ✓ **Aviation Industry**
- ✓ **Academic**

Discussion

Hong Kong International Aviation Academy (HKIAA)

Hong Kong China - International and Regional Aviation Hub

HKIAA Established in 2016

Established by Airport Authority Hong Kong (AAHK) to support the ICAO's NGAP Programme and operational needs for both Hong Kong and the region.

ICAO Platinum member / Training Centre of Excellence (TCE)

Under the ICAO TRAINAIR PLUS Programme (TPP).

Airports Council International (ACI)-ICAO TPP-Airport dual recognition

The world's second organization to receive an Airports Council International (ACI)-ICAO TPP-Airport dual recognition.

Global Role

Serves as the ICAO TRAINAIR PLUS Steering Committee member since 2024 and is an ACI Accredited Training Partner, an IATA Authorized Training Centre and an Academia member of CANSO.

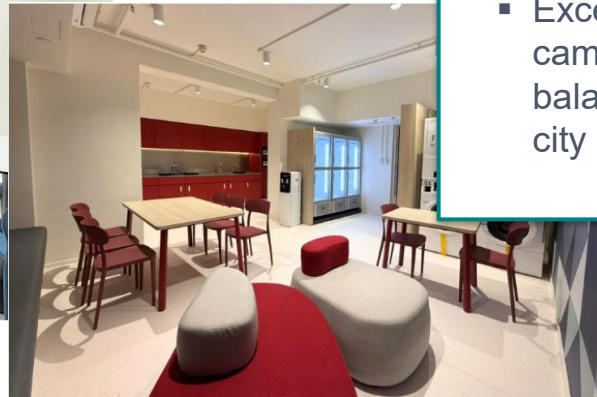
Training Programmes and campus

- Ranging from accredited master's degree programmes to diploma-level courses, placement to professional courses, and summer camps.
- Key aviation fields, including Air Traffic Management, Flight Training, Air Traffic Safety Electronics Personnel (ATSEP), Airport Operations & Crisis Management, Aviation Security, Foundation and Academic Programmes.
- Campus provides 5,500 m² training facilities with advanced equipment and highly qualified professional instructors.

Discussion

Affordable Lodging for Overseas Students

Airport Community Lodge



Airport Community Lodge

- Overseas students enrolled in HKIAA's training are offered affordable lodging.
- A high-quality accommodation for students who value convenience, connectivity and comfort.
- Designed to meet diverse living needs, the Lodge provides with modern facilities and a welcoming environment.
- Excellent connectivity to both HKIAA training campus and urban core, the Lodging perfectly balances professional convenience with vibrant city living.

Discussion

Systematic training essential to ensure CNS/ATM engineering and maintenance personnel

Integrated Air Traffic Safety Electronics Personnel (ATSEP) Training



Integrated ATSEP Training - Basic (IAT – B)

A structured 7-day course provides learners with underpinning knowhow on ICAO, aviation regulations, CNS/ATM systems and ATSEP roles.

ATSEP Training Course

Professional knowledge and skills to operate and maintain:

- CNS / ATM
- Associated Electrical and Mechanical/Power Supply (E&M) facilities

Complying with the ICAO Doc 10057 and Doc 9868



Integrated ATSEP Training - Qualification (IAT – Q)

A structured 20-day course provides an in-depth and integrated approach for shared domains and across specific domains knowledge on CNS/ATM systems and System Monitoring/Control.

Discussion

Systematic training essential to ensure CNS/ATM engineering and maintenance personnel

Integrated Air Traffic Safety Electronics Personnel (ATSEP) Training

Training Parameter	Integrated ATSEP - Basic (IAT-B)	Integrated ATSEP - Qualification (IAT-Q)
Duration	7 Days (3 days in-class / 4 days online guided learning)	20 Days (10 days in-class / 10 days online guide learning)
Core Focus	Shared domains knowledge on • human factors, • safety management etc. Specific domains knowledge on • Communications, • Navigation, • Surveillance, • Data Processing and • System Monitoring/Control	In-depth shared domains and across specific domains knowledge on • Communications, • Navigation, • Surveillance, • Data Processing/Air Traffic Management systems, and • System Monitoring/Control The course also covers an introduction to Air Traffic Control (ATC).
Who should attend	Personnel preferably with academic background in electronics or telecommunications engineering who intend to build career in the O & M of ATC services related electronic system of the civil aviation industry.	Entry-level personnel preferably with academic background in electronics or telecommunications engineering who have successfully completed IAT-B, or equivalent.
Standards Compliance	ICAO Doc 10057 / Doc 9868 / EASA standard	ICAO Doc 10057 / Doc 9868 / EASA standard

Discussion

Systematic training for Student Air Traffic Controllers

Basic ATC Training for Student Air Traffic Controllers

Basic ATC Training for Student Air Traffic Control Officers Course

This course aims to provide Student Air Traffic Controllers with the necessary skills and knowledge to prepare them for specialised rating(s) training in specific ATC streams.

The curriculum comprises comprehensive theoretical training, such as aviation law, air traffic management, meteorology, navigation, aircraft performance, human factors, etc., as well as practical training adopting the ANSP's local aerodrome in HKIAA's state-of-the-art ATC simulators.

Action by the Meeting

The meeting is invited to:

- a) note the integrated ATSEP Training and Basic ATC Training for Student Air Traffic Controllers Courses offered by HKIAA and the new accommodation facility to provide affordable lodging for overseas students; and
- b) encourage State/Administrations to implement integrated ATSEP training if they have capacity in doing so, or make use of training resources in the region to better support training of ATSEP in maintaining and supporting safety-critical CNS/ATM equipment operations.



Thank you

