



International Civil Aviation Organization

**The Third Meeting of the APANPIRG ATM Sub-Group
(ATM /SG/3)**

Bangkok, Thailand, 03-07 August 2015

Agenda Item 9: Any other business (including Election of Officers)

ANSP Management Advanced Masters Course- India

(Presented by INDIA)

SUMMARY

This paper presents a brief overview of Advanced ANSP Management Masters Course being conducted by Airports Authority of India. The Course objective is to prepare tomorrow's ANSP managers for higher managerial responsibilities. The Masters course provides middle level ANS officers a holistic view of the latest developments in ANS technologies and their applications. The course will enable them to meet the organizational requirements and challenges.

1. INTRODUCTION

1.1. Airports Authority of India (AAI) is the Air Navigation Service Provider (ANSP) in India. AAI and DGAC, France signed a MoU for technical cooperation in 2010 with an intent to promote, develop and reinforce training and technical cooperation on the basis of a mutual and reciprocal benefit by reinforcing close ties between India and France, in the field of airport operations and air traffic management.

1.2. AAI and DGAC France jointly assessed the training infrastructure in India and the current and future needs for skill augmentation. It was identified that the most pressing need for India's rapidly evolving ANS infrastructure was to prepare the available senior level ANS officers for managing the complex techno-management challenges. Hence the main recommendation was "To build-up a joint master's degree program, to train highly skilled managers or operational supervisors to tackle complex issues of setting up an optimized and efficient ATM system"

1.3. After much deliberations and planning, AAI is now conducting an '**Advanced Masters Course in Air Navigation Service Provider Management**' which has commenced in March, 2015 at CATC (Civil Aviation Training College) facilities in Hyderabad (India).

1.4. This Advanced Master is a joint project of ENAC (Ecole Nationale de l'Aviation Civile- French National Aviation University) affiliate of DGAC (Direction Générale de l'Aviation Civile – French Civil Aviation Authority) and CATC, AAI (Airports Authority of India).

1.5. ENAC is an approved organisation by French higher education authority, to award abroad, a one year French Master degree for professional staff having a bachelor's degree with three years of work experience. The Advanced Masters Course has been accredited by the French authorities before the commencement of programme.

1.6. AAI intends to acquire accreditation from Indian Higher education authorities for the Advanced Masters Course. AAI also plans to open the course for other ANSP's in the region promoting regional cooperation in the near future.

1.7. The 'Advanced Masters Course in Air Navigation Service Provider Management' will aim to equip the new generation of AAI Managers to face the current and future Indian air navigation challenges, while ensuring safe and efficient operations.

1.8. These managers among the Air Navigation personnel will complete this one-year long course. Aiming at giving the students competencies and skills in the field of air navigation, advanced concepts and systems, safety culture, project management, system engineering, supply & procurement management, human factors and team management, this course will contribute to AAI's objectives to have a qualified and competent personnel to face the major challenges of the Indian air transportation. These managers will contribute in developing the future air navigation strategies/plans in line with Global Air Navigation Plan of ICAO.

Note: ENAC and CATC are full "ICAO TRAINAIR Plus" members. ENAC has also been awarded from ICAO the label RTCE (Regional Training Center of Excellence).

2. DISCUSSION

2.1 AAI will have to manage deep organizational and technological changes to accommodate the traffic growth in next decades, In the present scenario, AAI does not have a dedicated training programme for mid and high level management to manage the above mentioned changes.

2.2 AAI recognized that it will be in AAI's interest to have a training programme where efficiency of mid/high level manager is increased by providing them relevant training in order them to help them integrate new equipment, manage CNS/ATM projects etc. Hence the Advanced Masters Course has been designed specifically to address this requirement.

a. Course Description

2.3 The master's degree is a 12 Month programme, and is divided into two parts:

- an academic part of duration 06 months, consisting of mainly class room lectures, accompanied and supervised work to meet training objectives; and
- an internship in their own domain of expertise that helps in developing personal initiatives and exploring creative solutions towards problem solving.

2.4 Middle-level officials from CNS and ATM stream are eligible for the programme and the annual target for the programme is to train 50 officials (25 from ATM and 25 from CNS).

2.5 The first batch of 50 Air Navigation Services (ANS) professionals are undergoing training of 6 months (Academic phase) and an internship of 6 months.

2.6 An Advanced Masters diploma, recognized by the French "Conference des Grandes Ecoles" will be issued to each professional in March 2016.

2.7 AAI plans to conduct the Advanced Masters Course annually to gradually equip all the senior level officers with appropriate skills and provide them opportunities for efficient organizational management.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) note the information contained in this paper.

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