



*International Civil Aviation Organization*

**FOURTEENTH MEETING OF THE  
COMMUNICATIONS/NAVIGATION/SURVEILLANCE  
AND METEOROLOGY SUB-GROUP OF  
APANPIRG (CNS/MET SG/14)**



Jakarta, Indonesia, 19 – 22 July 2010

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**Agenda Item 16 :      Review and update Regional Performance Framework Objectives and form**

**EXPANSION OF THE REPUBLIC OF KOREA – ICAO  
FELLOWSHIP TRAINING PROGRAMME**

(Presented by the Republic of Korea)

**SUMMARY**

This paper presents the improved fellowship training programme for developing countries which has been provided by the Republic of Korea (ROK) according to MOU signed with ICAO. Since 2001, ROK has trained 360 fellows from 84 countries in the field of air navigation. ROK will continuously make every possible effort to contribute to balanced development of international civil aviation.

**Strategic Objectives,**

- D. Efficiency - Enhance the efficiency of Aviation operations.
- E. Continuity - Maintain the continuity of Aviation operations

**Global Plan Initiatives : all**

**1.      INTRODUCTION**

1.1            The Republic of Korea (ROK), recognizing that the safety and balanced development of international civil aviation is achieved through continuous training for aviation personnel, as well as the importance of specialized support and cooperation for international civil aviation training, has been inviting fellowships from developing countries to participate in all-paid training programs since 2001 and has trained 360 training fellowship from 84 countries to date as described in Appendix.

1.2            To further develop this training program and to provide more countries with opportunities to participate in the program, the Government of the Republic of Korea (ROK) and ICAO signed a Memorandum of Understanding (MOU) in August 2009 to jointly establish the Fellowship Training Programme for Developing Countries with plans to train 390 aviation personnel from ICAO Contracting States over a 3-year period from 2010 to 2012.

1.3            In accordance with this MOU, ROK will invite 130 trainees from developing countries in 2010 to participate in below courses with aim to promoting balanced development of international civil aviation.

1.4 Since 2009, we have signed the MOU with African Civil Aviation Commission(AFCAC) and Latin American Civil Aviation Commission(LACAC) to facilitate exchanges of information on aviation technologies between Korea and respective the member states of Civil Aviation Commission. We are sure that the MOU will further strengthen international cooperation between ROK and the Civil Aviation Commissions.

## 2. TRAINING COURSES OUTLINE

2.1 The program consists of eight training courses including GNSS, DVOR Maintenance, and Radar Approach Control, which will be conducting every year at the Korea Civil Aviation Training Centre (KCATC) and Incheon International Airport Corporation Aviation Academy by 2012.

- a) **GNSS:** A 2-week course conducted once every year. It gives an introduction to ICAO's GNSS implementation plans and operational status around the world. In addition, GNSS principles and application technologies are transferred to the participating countries for their preparation of foundations for GNSS implementation.
- b) **DVOR Maintenance:** A 3-week course conducted once a year. The purpose of this course is to prepare foundation for development of aviation technologies in the participating countries by improving participants' ability to maintain and manage through basic principles and practice on DVOR developed by the ROK.
- c) **Radar Approach Control:** A 3-week course conducted once a year, which provides the radar approach control theories and practical training under actual conditions using simulators. The purpose of this course is to lay foundation for developing countries to upgrade their ATS capabilities.
- d) **Airport Operations:** A 3-week course conducted once a year. The purpose of this course is to improve airport operations in participating countries, delivering practical training program based on advanced airport operations experience of Incheon International Airport.
- e) **Aviation Security :** A 3-week course conducted once a year. The purposed of this course is to make secure and convenient air travel environment by enhancing airport security operation in participating countries, delivering practical training program based on best practices in airport security operation of Incheon International Airport .
- f) **Airport Terminal Operation :** A week course conducted once a year. The purpose of this course is to enhance skills and knowledge of participants to efficiently manage and operate the terminal, delivering experience and best practices of terminal operation in Incheon International Airport to increase airport service quality for airport users.
- g) **Radar Concepts :** A 3-week course conducted once a year. The purpose of this course is to prepare the foundation for air navigational safety in participating countries by providing total training solutions in RADAR technologies through lectures and demonstrations.

- h) **Annex 14** : A week course conducted once a year. The purpose of this course is to obtain a solid understanding of the regulatory framework of international aviation law and a clear interpretation of the requirement set out by ICAO Annex 14 and to share best practices of Incheon International Airport in its application of Annex 14 in airport operation.

### 3. IMPLEMENTATION PLANS

3.1 The plans of fellowship training programme for Developing Countries are as follows,

- a) For 3 years beginning 2010, 130 training fellowships will be invited to participate in 8 courses such as GNSS, DVOR and Radar Approach Control and the trainees will learn application of aviation technologies as well as the expert knowledge in aviation fields. The number of trainees may increase depending on participation of the ICAO member States.
- b) In order to expand training opportunities, the ROK will open more training courses and invite more trainees after the year of 2010.
- c) The ROK plans to have these independently developed and implemented training courses certified by ICAO as international standard courses with a view to providing more standardized training programs. It will also take steps to gain certifications for DVOR Maintenance training programme by 2008 and GNSS system training programme by 2009.
- d) In order to enhance quality of education and training in accordance with the Management Services Agreement signed between the ROK and the ICAO on May 2007, the ROK will invite experts from the ICAO and others to give special lectures, secure more field training resources such as DVOR Maintenance system, and build new facilities including a building for global training, so that trainees will have more opportunities to learn under better conditions.
- e) Trainees will not only receive practical training but will also have opportunities to visit GNSS facility sites for on-hand experience with advanced navigational technologies and also visit historical and other local places that will offer the trainees to enjoy more pleasant and memorable stay in Korea.
- f) A website online will be prepared to provide the trainees with the space for exchanging information and providing technical materials, aviation news letters and an opportunity to participate in a class reunion.

### 4. OTHER RELATED INFORMATION

4.1 Training circumstance

- a) **Korea Civil Aviation Training Centre (KCATC)** : It was established in 1984 with financial and technical assistance from the UNDP and ICAO. It has contributed significantly to the improvement of technical expertise at home

and abroad. KCATC is not only staffed with outstanding faculty and equipped with most advanced training facilities but also with amenities and leisure facilities for the comfort and convenience of the trainees during their stay.

- b) **Incheon International Airport Corporation(IIAC) Aviation Academy** : It is a brand new training facility established in 8 June 2008. Most comfortable and convenient training environment utilizing cutting-edge technology is provided to maximize training results. Located only 40 minutes away from Seoul and accessible by Airport Highway, trainees can reach Seoul without any traffic congestion. IIAC Aviation Academy has been offering practical training courses which are very much relevant and applicable to the actual airport operation. The main contents of courses are the best practices and experience of IIAC in airport operation combining best practice sharing classes, airport tour, and workshops to avoid being too conceptual or theoretical

#### 4.2 Expenses

4.2.1 **Joint Programmes with KOICA (Course Codes: A1, A2, A3, A4, A5)** : The Korean government will bear expenses including training fees, instructor fees, accommodation fees, living expenses (amount set by Korea), and airfare (economy class) on routes not serviced by national air carriers of the country of the participant. The date of entry will be the training start date and the date of exit the training end date. The Korean government will also cover some travel allowances.

4.2.2 **Global Aviation Safety Programmes (Course Codes: B1, B2, B3)** : The Korean government will bear expenses including training fees, instructor fees, accommodation fees and living expenses (amount set by Korea). Airfare and travel allowance for the participation in the Global Aviation Safety Programmes will be paid by participating countries.

### 5. CONCLUSION

5.1.1 The ROK has provided training programs to aviation fellowships from developing countries since 2001. In addition, the ROK will upgrade these programs in cooperation with ICAO to provide more practical support to the participating countries in their enhancement of aviation capabilities and to contribute to further development of international civil aviation. The ROK looks forward to active participation from ICAO Member States in the training programs.

### 6. ACTION BY THE MEETING

6.1 The meeting is invited to:

- a) note the information on the training programme described in this paper
- b) comment on a direction for improvement of the training programme
- c) consider sending a feedback to us whether it was helpful for the fellows participated in the courses to apply these technical knowledge to their own practical services.

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**APPENDIX****FELLOWSHIP TRAINING PROGRAMME****◆ Training courses and dates**

Course Code	Course Title	Dates (2010)	Nomination Form Deadlines	Participants	Training Institute <sup>1</sup>
<b>A. Joint programmes with Korea International Cooperation Agency (KOICA)</b>					
A-1	DVOR./DME Maintenance	27 May – 25 June	9 April 2010	15	KCATC
A-2	GNSS Introduction	8 – 23 July	7 May 2010	15	KCATC
A-3	Airport Operations	30 September – 22 October	30 July 2010	25	IIAC Aviation Academy
A-4	Aviation Security	30 September – 22 October	30 July 2010	25	IIAC Aviation Academy
A-5	Radar Approach Control	7 – 29 October	6 August 2010	18	KCATC
<b>B. Global aviation safety programmes</b>					
B-1	Airport Terminal Operation	2 – 10 June	9 April 2010	20	IIAC Aviation Academy
B-2	Radar Concepts	23 August – 10 September	25 June 2010	15	KCATC
B-3	Annex 14 (Aerodrome)	1 – 9 September	25 June 2010	20	IIAC Aviation Academy

<sup>1</sup> KCATC: Korea Civil Aviation Training Center of Korea Airports Corporation  
IIAC Aviation Academy: Incheon International Airport Corporation Aviation Academy