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ASSEMBLY — 37TH SESSION

EXECUTIVE COMMITTEE

Agenda Item 11: Activities and policy on technical cooperation during the period 2007-2009

EXPANSION OF THE FELLOWSHIP TRAINING PROGRAMME OF THE REPUBLIC OF KOREA JOINTLY ESTABLISHED WITH ICAO

(Presented by the Republic of Korea)

EXECUTIVE SUMMARY

This paper presents the enhanced fellowship training programme for developing countries which has been provided by the Republic of Korea (ROK) according to an MOU signed with ICAO. Since 2001, the ROK has invited and trained 390 fellows from 89 countries in the field of air navigation. The ROK will continuously make every possible effort to contribute to the development of international civil aviation.

Action: The Assembly is invited to note the updated information on the training programme described in this paper.

<i>Strategic Objectives:</i>	This working paper relates to Strategic Objectives A and D in support of the safety and balanced development of international civil aviation.
<i>Financial implications:</i>	None
<i>References:</i>	None

1. INTRODUCTION

1.1 Recognizing that safety and the balanced development of international civil aviation was possible through continuous training, specialized support and cooperation for aviation personnel, the Republic of Korea (ROK) has invited and trained 390 aviation personnel from 89 developing countries to participate in training programmes free of charge since 2001 as described in the Appendix.

1.2 To further develop the training programmes and provide more countries with opportunities to participate in the programme, the ROK and ICAO signed a Memorandum of Understanding (MOU) in August 2009 to jointly establish the Fellowship Training Programme for Developing Countries which aims to train 390 aviation personnel from ICAO Contracting States over a three-year period from 2010 to 2012. In accordance with this MOU, the ROK will invite 168 trainees in 2010 to participate in the courses described below with the aim of promoting a balanced development of international civil aviation.

1.3 Since 2009, the ROK has signed MOUs with the African Civil Aviation Commission (AFCAC) and the Latin American Civil Aviation Commission (LACAC) to extend the fellowship training programme among the Member States. The ROK is confident that the MOUs will further strengthen international cooperation between the ROK and the Member States of civil aviation commissions.

2. TRAINING COURSES OUTLINE

2.1 The programme consists of eight training courses covering the subjects of Global Navigation Satellite System (GNSS), DVOR (Doppler VHF Omni Range) Maintenance, and Radar Approach Control, which will be conducted every year at the Korea Civil Aviation Training Centre (KCATC) and Incheon International Airport Corporation Aviation Academy.

- a) **GNSS:** A two-week course conducted once a 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 preparation of their technical foundations for GNSS implementation.
- b) **DVOR Maintenance:** A three-week course conducted once a year. The purpose of this course is to prepare a solid foundation for the development of aviation technologies in the participating countries by improving trainees' abilities to maintain and manage DVOR by covering basic principles and practices on DVOR developed by the ROK.
- c) **Radar Approach Control:** A three-week course conducted once a year. It provides the radar approach control theories and practical training under actual conditions using simulators. The purpose of this course is to lay the foundation for developing countries to upgrade their Air Traffic Service (ATS) capabilities.

- d) ***Airport Operations:*** A three-week course conducted once a year. The purpose of this course is to improve airport operations in participating countries, deliver practical training programmes based on advanced airport operations experience of Incheon International Airport.
- e) ***Aviation Security:*** A three-week course conducted once a year. The purpose of this course is to provide secure and convenient conditions for air travel by enhancing airport security operation in participating countries, delivering practical training programmes based on best practices in airport security operation of Incheon International Airport.
- f) ***Airport Terminal Operation:*** A one-week course conducted once a year. The purpose of this course is to enhance the participant's skills and provide the expertise to efficiently manage and operate the terminal, delivering experience and best practices of terminal operations in Incheon International Airport to improve airport service quality for airport users.
- g) ***Radar Concepts:*** A three-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 one-week course conducted once a year. The purpose of this course is to develop a solid understanding of the regulatory framework of international aviation law and a clear interpretation of the requirement described in 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 for fellowship training programmes in developing countries are as follows:

- a) For three years beginning in 2010, 130 training fellowships will be invited to participate in 8 courses such as GNSS, DVOR and Radar Approach Control. The trainees will learn the application of advanced technologies and exercise in aviation fields. The number of trainees may increase depending on the demand from ICAO Member States;
- b) In order to expand training opportunities, the ROK will open up more training courses and invite more trainees after the year 2010;
- c) The ROK plans to have these independently developed and to implement training courses certified by ICAO as international standard courses with a view to providing more standardized training programmes. It will also take steps to gain certifications for DVOR Maintenance and GNSS system training;

- d) In order to enhance quality of education and training in accordance with the Management Services Agreement signed between the ROK and ICAO in May 2007, the ROK will invite experts from ICAO and others to give special lectures;
- e) Trainees will not only receive classroom training but also have opportunities to visit GNSS facility sites to get first-hand experience with advanced navigational technologies. They will also have the opportunity to visit historical and other local places to make their stay in Korea a memorable one; and
- f) A website which contains technical materials and aviation newsletters will be prepared for trainees to exchange information and participate in a class reunion.

4. OTHER RELATED INFORMATION

4.1 Training environment

4.1.1 The Korea Civil Aviation Training Centre of Korea Airport Corporation (KCATC) and Incheon International Airport Corporation Aviation Academy are the most representative of the aviation academies in the ROK. They have qualified instructors for each training course and various teaching aids and lab facilities to improve the quality of training educations.

- a) **Korea Civil Aviation Training Centre (KCATC):** It was established in 1984 with financial and technical assistance from the United Nations Development Programme (UNDP) and ICAO. It has significantly contributed to the improvement of technical expertise at home and abroad. KCATC is not only staffed with outstanding faculty and equipped with the 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:** This new training facility was established on 8 June 2008. It provides a most comfortable and convenient training environment utilizing cutting-edge technology to maximize training output. Located only 40 minutes away from Seoul and accessible by Airport Highway, trainees can reach Seoul without any traffic congestion. IIAC Aviation Academy has offered practical training courses which are very much relevant and applicable to actual airport operation. The main course contents are the best practices and experience of IIAC in airport operation, combining best practices sharing classes, airport tour and workshops to avoid being too conceptual or theoretical.

4.2 Expenses

4.2.1.1 The Joint Programmes with the Korea International Cooperation Agency (KOICA) (Course Codes: A1, A2, A3, A4 and A5) and the Global Aviation Safety Programmes (Course Codes: B1, B2 and B3) are all paid training programme covering a variety of expenses necessary for participation in these courses. Airfare for the Joint Programmes with KOICA, except the Global Aviation Safety Programmes, will be paid for by the Government of the ROK on a case by case basis.

5. CONCLUSION

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

APPENDIX

FELLOWSHIP TRAINING PROGRAMME

◆ **Training courses and duration**

Course Code	Course Title	Duration	Participants	Training Institute¹
A. Joint Programme with Korea International Cooperation Agency (KOICA)				
A-1	DVOR./DME Maintenance	4 weeks	15	KCATC
A-2	GNSS Introduction	2 weeks	15	KCATC
A-3	Airport Operations	3 weeks	25	IIAC Aviation Academy
A-4	Aviation Security	3 weeks	25	IIAC Aviation Academy
A-5	Radar Approach Control	3 weeks	18	KCATC
B. Global aviation safety programmes				
B-1	Airport Terminal Operation	1 week	20	IIAC Aviation Academy
B-2	Radar Concepts	3 weeks	15	KCATC
B-3	Annex 14 (Aerodrome)	1 week	20	IIAC Aviation Academy

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