International Civil Aviation Organization

Fourth Meeting of the Asia Pacific Regional Aviation Safety Team (APRAST/4)

(Manila, Philippines, 22 to 25 April 2014)

Agenda Item 5:   **Presentations – States/Industry/ICAO**

IMPROVED FUNCTIONS OF THE FOREIGN AIR OPERATOR SURVEILLANCE DATABASE

(Presented by the Republic of Korea)

SUMMARY

This paper presents upgraded features of the new FAOSD system that the Republic of Korea contributed to its development and the benefits to be achieved by linking FAOSD and Safety Oversight Management System (SOMS).

1.   INTRODUCTION

1.1   Following the decisions of the 45th DGCA Conference held in 2008, ICAO APAC office adapted and developed FAOSD Programme that is used by the ICAO South American office in Lima for use of APAC States in 2011.

1.2   During the 1st training session on the FAOSD Programme for APAC States held from 17-21 September 2012, several software glitches were found. Through WP 14 at the 2nd RASG APAC held in New Delhi from 8-9 October 2012, ICAO APAC office invited State/Administrations which were capable of addressing those problems.

1.3   The Republic of Korea (ROK), with its number of experience in development of aviation related software programmes such as National Aviation Resource Management and Information System (NARMI) and Safety Oversight Management System (SOMS), volunteered to assist ICAO APAC office in addressing the glitches.

1.4   The ROK, in close cooperation with the ICAO, finished developing the FAOSD system in September 2013. The installation of the system and training for the operators at ICAO APAC office were conducted successfully from 25-27 November 2013.

2.   DISCUSSION

2.1   In accordance with the decision of ICAO APAC office, the ROK developed a brand-new system in order to fix the glitches found in the old version of the FAOSD and to achieve overall improvements for user convenience. The major improvements of the new system are as follow:

   a)   Cross browser support by adapting web standard – IE, Safari, Crome, FireFox;

   b)   Increased data load speed;

   c)   Reinforced data filtering function; and

   d)   History tracking on oversight results.

2.2   One of the features added to the system is data receiving function from SOMS. ICAO APAC office also wished to develop a system that can be used by each State in the APAC region for storing and managing safety data, collected through safety oversight activities. SOMS was the perfect system for that needs. It is a web-based programme for CAAs to manage overall framework of safety oversight activities, developed by the ROK and distributed to 46 States world-wide and 24 States in the APAC region since 2009.

2.3   The increasing focus on the sharing of safety data sometimes causes duplication of works and becomes burdensome to the States. Through this linkage, the States using SOMS in their administrations would be able to transmit foreign air operator safety data directly to the FAOSD system just by clicking a button at SOMS. Therefore, those States using both SOMS and FAOSD system would not need to input the same data into two different systems.

2.4   The FAOSD will still be a standing-alone system by itself with one-way data transmitting function from SOMS to FAOSD and applied to only those States which use SOMS for their data storing. The upgraded SOMS with the feature is on the final development phase and scheduled to be launched in June 2014.

3.   ACTION BY THE MEETING

3.1   The meeting is invited to:

a) Note the completion of the new FAOSD development and its additional functions; and

b) Encourage ICAO to continuously support in linking SOMS and FAOSD and States that are interested in using upgraded SOMS to contact the ROK for provision.

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