International Civil Aviation Organization

The Tenth Meeting of the Asia/Pacific Aeronautical Information Services – Aeronautical Information Management Implementation Task Force (AAITF/10)

Bangkok, Thailand, 27-30 April 2015

Agenda Item 4: AIS-AIM Updates

QUALITY, DATA QUALITY AND DATA INTEGRITY MONITORING

(Presented by INDONESIA)

SUMMARY

This paper presents an overview both of DGCA and AIRNAV progress towards the Roadmap for the Transition from AIS to AIM Phase 1 (Consolidation) and Phase 2 (Going Digital) in respect to Quality Management.

1.   INTRODUCTION

1.1   ICAO Annex 15 (Aeronautical Information Service), Chapter 1 implies the necessity for a QMS when it states that "Corrupt or erroneous aeronautical information/data can potentially affect the safety of air navigation."

1.2   The basic characteristics of aeronautical information are those of adequacy, availability and timeliness. The degree to which these and other characteristics fulfill requirements is referred to as "quality".

1.3   In addition to specifying the quality requirements for aeronautical data, ICAO Annex 15 requires States to introduce a quality system to implement quality management at each of the function stages of originating (or collecting), collating or assembling, editing, formatting, storing, publishing and distributing of aeronautical information.

1.4   This directive requires the DGCA to develop and AIRNAV to implement MOS 175-05/KP 246 in 2014 about Quality Management System in compliance with ICAO Annex 15 (Aeronautical Information Service) ICAO Document 8126 (Aeronautical Information Services Manual).

2.   DISCUSSION

Phase I Planning

2.1   The key task in the planning phase is to review the existing quality system and assess where there is a need to develop and extend existing features of the system. This "gap analysis" reveals where additional procedures and documentation will be needed. Depending on the size and complexity of the QMS implementation project, AIRNAV create Working group to develop QMS manual.

Phase II Design

2.1   For provide all the components of a QMS capable of producing quality in a reliable and repeatable manner, and to ensure that this capability can be proven by audit. AIRNAV Working group regarding QMS will evaluate and create QMS manual after completing GAP analysis. QMS manual is develop based on QMS framework /MOS 175-05 regulated by DGCA. For training plans, AIRNAV will provide QMS course on Indonesian Civil Aviation Institute (ICAI) on August and Singapore Aviation Academy (SAA) on June this year. Certification of the QMS by DGCA audit is planned on Staff instruction (SI).

Phase III Deployment and Testing

2.2   The formal application of quality procedures, deployment of quality functions, monitoring and measurement of the results and initiation of the improvement actions, QMS training will be provided to the entire workforce of the AIS target fully trained at the end of 2016. Quality manual and documented procedures for various processes as appropriate and quality records will be developed and communicated to all staff at the end of this year. AIRNAV Management Review Meeting determining action required, implementing non-conformance procedures, corrective action and follow-up procedures will be once a year.

3.   ACTION BY THE MEETING

3.1   The meeting is invited to:

   a) note the information contained in this paper; and

   b) discuss any relevant matters as appropriate.

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