



A38-WP/399
TE/176
30/9/13

ASSEMBLY — 38TH SESSION
TECHNICAL COMMISSION

DRAFT TEXT FOR THE REPORT
ON
AGENDA ITEM 36

The attached material on Agenda Item 36 is submitted for consideration by the Technical Commission.

Agenda Item 36: Air Navigation — Emerging Issues

36.1 The Commission reviewed A38-WP/121, presented by Nepal, which called for the provision of Standards that identify the necessary type approval or design certification requirements for air traffic services (ATS) equipment design conformance with established human factors principles. The Commission also reviewed A38-WP/243, presented by Venezuela (Bolivarian Republic of), related to guidance documentation for the certification of air navigation services. The Commission considered: the difficulties in establishing such Standards and guidance where currently no precedent exists; the potential for inhibition of innovation and competition; and the need for extensive work to support the development of such Standards when resources were extremely limited. There was some support for the intent expressed in both of these papers but the Commission observed that the budget requirements would not allow progress in the next triennium without significant SAFE Fund donations by one or more States for this work.

36.2 The Commission reviewed A38-WP/265, presented by the United Arab Emirates, which recommended further standardization of digital data exchange under ICAO coordination and development of guidance and training material aimed at increasing the interoperability and the exchange of the aeronautical data.

36.3 The Commission recalled that Amendment 37 to Annex 15 — *Aeronautical Information Services*, to be applicable on 14 November 2013, contained expanded performance specifications relating to the digital exchange of aeronautical information and that this approach had been taken so as not to inhibit the continuing development of the aeronautical information eXchange model (AIXM) data exchange model. The Commission noted that while the objective of adopting a specific exchange model was increased standardization and interoperability, it would involve to developing, implementing and maintaining a detailed technical standard. In this connection, the Commission also recalled Assembly Resolution A37/15 which recommended that the ICAO Council should promote the development and upkeep of broad system-level, functional and performance requirements and should continue seeking the most appropriate means of development, translation, processing and dissemination of technical specifications. In consideration of the recommendations to further improve the harmonization and the interoperability of the digital aeronautical data exchange, the Commission would refer these to the Council of ICAO for consideration by the expert groups currently developing Standards and Recommended Practices (SARPs) and guidance for the further transition from aeronautical information service (AIS) to aeronautical information management (AIM) and the development and implementation of system-wide information management (SWIM).

36.4 Information papers were provided by China (A38-WP/190 and WP/192), Iran (Islamic Republic of) (A38-WP/281) and ASECNA (WP/241).

36.5 The Commission reviewed A38-WP/337, presented by the Russian Federation, which provided information on the Russian Federation's concept of the use of self-organizing airborne networks to support integration of remotely piloted aircraft into civil controlled airspace. The Commission noted the potential benefits of the concept and the relationship to AN-Conf/12 Recommendation 1/10, Automatic dependent surveillance – self-organizing wireless data networks. The Commission requested that the ICAO Council study the proposal as part of the next revision of the Global Air Navigation Plan.
