COMISSÃO LATINO-AMERICANA
DE AVIAÇÃO CIVIL

CLAC

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XX LACAC ORDINARY ASSEMBLY

(Brasilia, Brazil, 5 to 8 November 2012)

Item 11 of
the agenda: **Other subjects**
- **U.S. Views on the 12th ICAO Air Navigation Conference (ANConf/12)**

(Working paper presented by the Federal Aviation Administration
of the United States of America)

SUMMARY

The 12th ICAO Air Navigation Conference (ANConf/12) will take place from November 19-30, 2012 in Montreal, Canada. The purpose of the conference is to gain consensus, obtain commitments and formulate recommendations to achieve a harmonized global air navigation system for international civil aviation. This working paper presents an overview of U.S. views for ANConf/12 and to seek support for U.S. papers. The United States strongly encourages LACAC Member States to participate in ANConf/12 and to continue their participation in the global dialogue on future air transportation planning matters.

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1.   Introduction

1.1   The 12th ANConf/12 will address the Aviation System Block Upgrades (ASBUs) that were introduced to the international community at the Global Air Navigation Industry Symposium (GANIS) in September 2011. It will also focus on harmonization and efficiency leading to operational improvement while considering communication, navigation, surveillance and avionics roadmaps for the Global Air Navigation Plan (GANP). The ASBUs designate a set of improvements and criteria implemented globally from a defined point in time that will enhance the performance of the air traffic management system.

1.2   As members of the ICAO Future Aviation Challenge Team (FACT) and the Technical Team, the United States has provided resources and input to the development of the ASBUs. The United States supports the ASBU concept and continues work to solidify Blocks 2 and 3.

2.   Discussion

2.1   The United States supports the concept of the revised GANP. While the previous GANP was a conceptual framework, the revised GANP will include specific roadmaps linked to the technology and maturing work programs of the ASBU. This approach will be beneficial to ICAO Member States in planning infrastructure investment, procedures and implementation. Two primary areas that the United States will focus on are System Wide Information Management (SWIM) and Flight and Flow Information for a Collaborative Environment (FF-ICE). These two programs are the foundation of information management and sharing that are essential to the advancement of a harmonized global air navigation system.

2.2   The GANP and ASBUs are not mandates. The plans are not going to be required, in their entirety, for each country. The plans were developed such that individual countries can see the "end result" and determine what segments work for them. The successes of the GANP and ASBUs are contingent on global acceptance.

2.3   The United States is working with our bilateral partners and regional groups to explain the U.S. approach, and to seek support for working sponsorship of papers on specific topics. To this end, the United States will be submitting fifteen (15) papers for the ANConf-12 in support of, or building upon, the twenty-four (24) papers that have been developed by the ICAO Secretariat. An **attachment** to this paper provides a full list of all U.S. papers for ANConf/12.

3.   Action requested by the Assembly

3.1   The United States encourages LACAC Member States to review this information on the U.S. approach to ANConf/12 and seek endorsement of our papers for the conference.

United States Working and Information Papers for ANConf/12

1. Global Air Navigation Plan (WP)- seeks Conference endorsement of the GANP, ASBUs as well as asking the ICAO Planning and Implementation Regional Groups (PIRGs) to begin working together to incorporate the GANP and ASBUs into regional air navigation plans.

2. Development of Common Performance Metrics to Support the Framework for Global Planning (WP)– *joint paper with Europe*– seeks Conference endorsement to establish common metrics and indicators with associated guidance material, to support the ICAO framework for global planning.

3. Interoperability and Data (FF-ICE) (WP)- seeks Conference endorsement of the swift development of the Flight Information eXchange Model (FIXM) for implementation of FF-ICE and to convene a 2014 symposium to update the status of new ATM concepts.

4. Performance Based Information Management (WP)- seeks Conference endorsement to adopt standardized information management principals when developing the information management framework for the ASBUs.

5. Self-Separation (WP) –   seeks Conference endorsement that ICAO adopt "airborne separation" concepts involving controllers assigning tasks to flight crews, with controllers applying different separation minima for properly-equipped ADS-B-In aircraft and to only adopt "airborne separation" as a strategic direction for ICAO at this time.

6. Automated Collision and Avoidance Systems (WP)- seeks Conference endorsement that ICAO incorporate ACAS-X into its airborne collision avoidance work program and asks States to participate in FAA development of ACAS-X.

7. Meteorological (MET) Information (WP) – *joint paper with Europe*– seeks Conference endorsement to include MET Info in the technical roadmaps of the ASBUs.

8. Meteorological Information Services (WP)-   seeks Conference endorsement for a specific Meteorological technical roadmap to be included in the GANP and seeks the inclusion of space weather as an element in Module B0-105.

9. United States' Demonstration Activities in Collaboration with Europe, Asia and other International Air Navigation Service Providers (WP)- explains the many activities the UnitedStates has undertaken with international partners including AIRE and ASPIRE.

10. Global Navigation Satellite Systems (WP)– seeks Conference endorsement to adopt a performance based approach with regard to the use of GNSS and ensure that all GNSS States permit free use of all SARPs compliant GNSS without mandate.

11. Safety Framework- (WP)-   requests that ICAO seeks a plan from stakeholders to identify the issues, fund and resource a safety framework to be presented at the 38th ICAO Assembly.

12. Civil Aviation Authority Involvement and Capabilities (WP)– seeks Conference endorsement of mechanisms to improve States' abilities to accomplish regulatory responsibilities as related to

implementation of the GANP to ensure operation approval considerations are addressed during the development of ICAO guidance materials in support of the ASBUs.

13. Standardization of Standards and Recommended Practices (WP)– seeks Conference endorsement for ICAO to restructure the system of ICAO expert groups utilizing the proposed framework .

14. Development of an Integrated Approach to Safety Management (WP)– seeks Conference endorsement that ICAO ensure that the State Safety Program and States' oversight capabilities are integrated in the new Safety Management Annex and that ICAO auditing activities reflect the integration.

15. Safety Management International Collaboration Group (SM-ICG) (IP)- explains the SM-ICG and provides further details about current work and future plans.