



International Civil Aviation Organization

**SECOND SATELLITE DATA LINK OPERATIONAL CONTINUITY
MEETING TO REVIEW THE PERFORMANCE AND PROVISION OF
SATELLITE COMMUNICATIONS IN THE ASIA AND PACIFIC
REGIONS**

(Bangkok, Thailand, 8-10 February 2012)

Agenda Item 3.1: Planning and implementation of performance-based communications and surveillance framework

**PERFORMANCE BASED OPERATIONS AVIATION RULEMAKING COMMITTEE
COMMUNICATIONS WORKING GROUP (PARC CWG) STATUS**

(Presented by the United States of America)

SUMMARY

This paper provides the status of work underway by the FAA-sponsored Performance based operations Aviation Rulemaking Committee Communications Working Group (PARC CWG).

1 INTRODUCTION

1.1 The Performance based operations Aviation Rulemaking Committee (PARC) is an FAA sponsored industry group that operates under the FAA Administrator's authority by Code of Federal Regulation and FAA Orders. PARC reports to FAA's Associate Administrator for Aviation Safety. The Communications Working Group (CWG) operates under the PARC.

1.2 The PARC CWG's work program is detailed project plans, which provide executive summaries on the project (who, what, when, where, why and how). The projects typically evaluate communication technologies that are foreseen to be viable in meeting the needs of the aviation community. The results of the evaluations substantiate PARC recommendations to the FAA.

1.3 PARC CWG works with ICAO and the regions/other States to ensure global harmonization for seamless operations and interoperability

2 DISCUSSION

2.1 Based on practicality, timeline, benefit gain and level of interest, the PARC CWG priorities are:

- a) High priority – Performance-based concept for communications and surveillance
- b) High priority – FANS 1/A over Iridium SBD (FOI)
- c) High priority - SATCOM voice (Iridium and Inmarsat)
- d) Medium priority – FANS 1/A over HFDL (FOH)
- e) Medium priority – FANS 1/A over Inmarsat I4 Classic Aero (FOICA)
- f) Low priority – Other “non-project” specific work

2.2 The PARC CWG reviews and participates in other relevant work such as GOLD implementation and amendment, which is linked to the data link projects, e.g., FOI, FOH, FOICA, and the Satellite Voice Guidance Material (SVGM), which is linked to the SATVOICE project

2.3 The PARC CWG has completed a number of projects and is currently reviewing its work program to potentially include future/domestic data link, particularly in U.S., and would include cooperative efforts with SC-214/WG-78 next generation data link standards, and the ICAO Operational Data Link Panel (OPLINKP). The work program could potentially include development of performance based criteria to support:

- a) global data link harmonization strategy for 12th Air Navigation Conference, November 2012;
- b) ICAO Communication Roadmap and Global Air Navigation Plan;
- c) Aviation system block upgrade (ASBU) 0 in 2013, ASBU 1 in 2018, and beyond;
- d) Mixed-capable fleet operations, e.g., FANS 1/A, ATN B1 (Link 2000+) and SC-214/WG-78; and
- e) Phasing out and stopping partial builds.

2.4 This paper is accompanied by a presentation, which provides more detail and status on the PARC CWG projects.

3 ACTION BY THE MEETING

3.1 The Meeting is invited to:

- a) Note the information in this paper;

Attachment A. PARC CWG Update

[Provided as a separate file]

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