

**Twenty Second Meeting of the
Informal South Pacific ATS Co-ordinating Group (ISPACG/22)
FANS Interoperability Team Meeting (FIT/15)**

Papeete, Tahiti, 11-12 March 2008

Agenda Item 5 FOM System Performance Requirements

New Oceanic SPR compliance by ground systems

Presented by Airbus

SUMMARY

The A350 FANS function safety analysis assumes ground systems are compliant with the new Oceanic SPR (ED122/DO306). This paper reminds the main requirements of this document, and asks for ATSPs inputs with regards to their systems compliance.

1. INTRODUCTION

- 1.1 The new oceanic SPR (ED122/DO306) “safety and performance standard for air traffic data link services in oceanic and remote airspace (oceanic SPR standard) “ provides requirements as regards the aircraft and ground systems design in order to meet the safety objectives for ATC Datalink over oceanic airspaces.
- 1.2 The A350 FANS function is being designed in full compliance with ED122/DO306 requirements, with the assumption that the ground systems with which it will interoperate are also (or will be) compliant.

2. DISCUSSION

- 2.1 As a reminder, 24 requirements applicable to the ATS provider system are identified in ED122/DO306. In particular, requirements for implementation of timers used for operational transaction monitoring :
 - SR-9 : The ATSU end system shall time stamp to within one second UTC each message when it is released for onward transmission.
 - SR-14 The ATSU system shall indicate to the controller when a required response for a message sent by the ATSU is not received within the required time (ET_{TRN})
 - SR-15 When the ATSU receives a message whose time stamp exceeds ET_{TRN} , the ATSU shall provide appropriate indication.
- 2.2 Airbus is seeking inputs from ATSPs as to whether their ground systems are compliant with these requirements, and if not what are their schedule to meet them.

3. ACTION BY THE MEETING

3.1 The meeting is invited to:

- a) Note the future aircraft system design dependency upon ground systems compliance with (ED122/DO306)
- b) Provide the requested compliance schedule.