



International Civil Aviation Organization

**THE FOURTH MEETING OF ADS-B STUDY AND
IMPLEMENTATION TASK FORCE (ADS-B SITF/4)**

Nadi, Fiji, 26-28 October 2005

Agenda Item 3: Review the progress made by ADS-B related ICAO Panels

**PROGRESS OF THE SEPARATION AND AIRSPACE SAFETY
PANEL ON ADS-B**

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(Presented by Nick King)

SUMMARY

This paper provides an update on the progress of SASP's work on ADS-B. The Panel's work on this subject is not yet finalised and this update should not be construed as representing the final views of either the Panel or ICAO.

1. INTRODUCTION

1.1 As members of the Task Force would be aware, the Separation and Airspace Safety Panel (SASP) has been addressing the issue of a 'radar-like' separation standard for the use of ADS-B. This work has been coordinated with the work of the Operational Data Link Panel (OPLINKP).

1.2 It should be noted that SASP's work on this subject is not yet finalised and this update should not be construed as representing the final views of either the Panel or ICAO.

2. 6TH SASP WORKING GROUP OF THE WHOLE MEETING

2.1 At its sixth meeting in November 2004 the SASP Working Group of the Whole was presented with a report from its ADS-B Project Team which indicated that significant progress had been made in the development of a comparative assessment of SSR and ADS-B, and amendment proposals for Chapter 8 of PANS-ATM (Doc 4444). In particular, the meeting noted that the project team had assessed on the basis of the technical comparison that a 5 Nm separation minimum could be used in conjunction with ADS-B. The meeting endorsed the report of the Project Team and looked forward to the completion of the comparative assessment.

3. 7TH SASP WORKING GROUP OF THE WHOLE MEETING

3.1 At the seventh meeting in May 2005, the SASP Working Group of the Whole was informed that the Secretariat had raised a number of issues related to the proposed amendment to Chapter 8 of PANS-ATM, specifically in relation to issues raised by OPLINKP. This involved the proposed inclusion

in PANS-ATM Chapter 8 of values for some of the technical requirements for ADS-B relative to the use of a 5 nm separation minima.

3.2 Following a review of the issue, the project team strongly advised that it did not agree with providing minimum values for performance criteria to be included in PANS-ATM and that this had been the team's position following similar discussions at its November 2004 meeting. The Working Group supported the project team view that technical requirements (such as values for HPL, NIC and SIL) should only be identified in the same document as all the other requirements in the comparative assessment. As such, it was agreed that placing only technical requirements in the PANS-ATM could be misleading. The main driver for this position was to ensure States took account of the total requirements and their inter-relationship and did not see any specific values in a single document such as PANS-ATM as being all that was required for implementation.

3.3 The meeting was advised that the project team had spent a considerable amount of time at this meeting reviewing revised documentation for the comparative assessment in support of the ADS-B separation minima. The Rapporteur stated that the project team had endorsed and continued development of the revised document and indicated that there was still unfinished work that was planned to be completed prior to the next meeting in November 2005. It was acknowledged that it was unlikely that a finalised comparative assessment document with all supporting attachments would be available for the OPLINKP/1 meeting in September 2005, but agreed that the secretariat should provide a copy of the draft documentation to that meeting to support the PANS-ATM amendment proposal.

4. NEXT STEPS

4.1 The next meeting of the SASP Working Group of the Whole is scheduled for November 2005. It is planned that the comparative assessment will be completed at this meeting. This will allow for it to be considered by the Air Navigation Commission at the same time as the OPLINKP/1 report.

5. RECOMMENDATION

5.1 The meeting is invited to note the progress of SASP in this matter.
