



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

**SURVEILLANCE-RELATED PART OF THE NEW DRAFT
ICAO BUSINESS PLAN**

(Presented by the Secretariat)

SUMMARY

This paper was presented to the joint working group meetings of Surveillance and Conflict Resolution Systems Panel- SCRSP and is presented to this ADS-B SITF the meeting for information.

1. INTRODUCTION

1.1 The attached paper was presented to the Surveillance and Conflict Resolution Systems Panel (SCRSP) Working Group meetings held in Paris in Early October 2005.

2. ACTION BY THE MEETING

2.1 The Task Force is invited to note the ICAO Business Plan aspects and impacts on ADS-B implementation.

SCRSP – JWG/2
WG-B WP/B9-29
October 2005
Agenda Item 5.0

SURVEILLANCE AND CONFLICT RESOLUTION SYSTEMS PANEL

JOINT WORKING GROUP MEETING

Paris, France, 10 October 2005

WORKING GROUPS A & B

Paris, France, 3 to 14 October 2005

Surveillance-related Part of the New Draft ICAO Business Plan

(Presented by the Acting Panel Secretary)

This paper presents an extract from the current draft Business Plan covering surveillance-related tasks.
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1. The new trend in the Air Navigation Bureau (ANB)

1.1 The ANB is rethinking its roles, objectives and modes of operation. The first step of that exercise has been the development of a new business planning structure. As part of that exercise, the technical works programme (TWP) is transitioning to a format/structure suitable for modern programme management tools. The plan outlines short/medium-term activities, responsible sections, deliverables and target dates.

1.2 In general, there is more emphasis on facilitating the implementation of existing SARPs (as opposed to the continuous development of SARPs) and priority is given to shorter term tasks with clear deliverables (as opposed to open-ended and generic ones). However, this doesn't imply that existing panels/study groups should concentrate more on monitoring activities (as SCRSP/1 had concluded). In fact, there are other mechanisms (e.g. operations groups) for operational monitoring and resolving problems as they occur. It would be desirable for technical panels to develop material suitable for facilitating implementation and/or efficient operation of modern CNS systems.

1.3 A list of surveillance/situational awareness-related tasks of the current plan is shown in the Appendix to this paper. It has been drawn by the Secretariat after due consideration of the current/projected or highly-desirable implementation activities.

1.4 The plan is still evolving; its final draft version will be presented to the Air Navigation Commission (ANC) for approval during the 170th Session (3 October to 2 December 2005).

1.5 There are also parallel activities in the ANB relating to the review of work programme/focus of panels/study groups and on better ways to formulate SARPs, technical specifications and guidance material. Those activities will also progress during the 170th and 171st sessions of the ANC.

1.6 The revised work programme of the SCRSP which is to be presented to the ANC during the 171st session (from 16 January to 17 March) will take the results of all above activities into consideration.

2. Action by the meeting

2.1 The meeting is invited to examine the list provided in the Appendix and try to align the prioritized lists of tasks with it.

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Appendix

Surveillance-related Tasks (As per the current draft Business-Plan of the Air Navigation Bureau)

Contributing Task	Managers	Deliverable	Target Date
Development of SARPs for ADS-B radio links	CNS	1090 MHz Extended Squitter SARPs with additional features	Completed
		VDL Mode 4 SARPs	Completed
		UAT SARPs	Nov. 2007
		1090 MHz Extended Squitter SARPS with additional features	Nov. 2007
Development of SARPs, guidance material and procedures for ACAS	CNS	SARPs and PANS as well as an manual on ACAS	Completed - Manual finalized
Development of provisions for ADS-B ground stations (1090 MHz ES)	CNS	1090 MHz ES Ground Station SARPS	Nov. 2007
Development of system-level and performance for ADS-B	CNS	System-level and Performance SARPs for ADS-B	Nov. 2007
Development of ADS-B procedures for flight crew	OPS/AIR	ADS-B provisions in PANS-OPS	Nov. 2009
Development of ADS-B procedures for ATM	ATM	ADS-B provisions in PANS-ATM	Nov. 2009
Investigation on enhancing data link-based surveillance in remote areas	CNS	Report prior to an implementation initiative	Dec. 2006
Development of provisions for fusion and sharing of surveillance data	CNS	Guidance material	Dec. 2007
Development of a strategy for the evolution of ground surveillance	CNS	Draft strategy	Dec. 2007
Determination of ICAO policy on ASAS and other air-air applications	CNS	Position paper	Dec. 2007
Investiation of measures to reduce RF pollution on 1090 MHz (used for SSR, ADS-B, ACAS and TIS-B)	CNS	Draft provisions	Dec. 2008
Maintenance/updating of existing surveillance-related provisions	CNS	Updated provisions	as required
Maintenance/Updating of existing ACAS provisions	CNS	Updated provisions	as required