

AERONAUTICAL TELECOMMUNICATION NETWORK PANEL

Working Group 2

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**Proposal for Production of Baseline CNS/ATM-1
SARPs to support ATN Internet Validation
Exercises**

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SUMMARY

This paper proposes an approach for the timely production of baseline Standards and Recommended Practices (SARPs), for support of the validation of the ATN Internet aspects of CNS/ATM-1 Package prior to the next meeting of the ATN Panel.

REVISION HISTORY

Sections	Date	Issue	Reason for Change
<ALL>	14 July 1995	1.0	Document Creation

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1. Discussion

Based on discussions during the various meetings of the ATN Panel and its Working Groups, the following milestones are understood to be critical concerning the completion of validation of the ATN Internet Standards and Recommended Practices (SARPs) for review and approval by the next meeting of the ATN Panel:

- Late 1996 / Early 1997:** Next meeting of ATN Panel, including the review and approval of validation results.
- July/August 1996:**
- a) Completion of ATN Internet validation activities.
 - b) Completion of validation reports by States and Organizations, submitted to ICAO as Panel Working Papers for translation.
- June/July 1996:** Completion of ATN Internet SARPs, incorporating validation results, forwarded to ICAO as Panel Working Paper for translation.
- January-March 1996:**
- a) ATN Internet validation systems (i.e. routers and end-systems), deployed in validation network configurations, ready for commencement of validation exercises among multiple States and Organizations.
 - b) Commencement of validation studies, analyses, and simulations, for support of preparation of validation reports.
- December 1995:** ATN Internet validation systems ready for deployment.
- July 1995:** Draft 2.1 of ATN Internet SARPs ready for review by ATNP Working Group 2.

Based on these understood milestones, it appears urgent and necessary for the ATNP WG/2 to adopt an agreed milestone for the publication of the “validation baseline draft” of the ATN Internet SARPs to support the development and deployment of validation systems and networks during the last half of 1995 and to support the subsequent validation activities, including exercises, studies and analyses, beginning in early 1996.

This leads to the postulation of an additional milestone, based on the limited time available to a) prepare systems and networks for the conduct of validation exercises, b) to commence work on ATN Internet simulations and studies, and c) to edit the “validation baseline SARPs” to reflect the results of these activities in time to support the next ATN Panel meeting. The postulated milestone is the following:

- August 1995:** Stable ATN Internet “validation baseline draft” SARPs published by agreement of ATNP/WG2 for support of validation exercise planning, systems development and network deployment, and for support of simulation and studies planning.

This means that the results of the deliberations of the ATNP Working Group 2 meeting during July 1995 must be incorporated into an agreed and stable baseline SARPs draft, for validation purposes, no later than early August. The meaning of “stable” in this context must comprise stability of technical content, stability of technical scope, and stability of editorial form and structure, due to the rigor required to be applied in the development and deployment of appropriate validation systems, networks, simulations and studies.

2. Proposals

It is thus proposed:

1. that the ATNP Working Group 2 endorse the ATN Internet validation milestones presented in the discussion section of this working paper, and endeavor to meet those milestones;
2. that based on the deliberations of the July 1995 meeting of ATNP Working Group 2, an agreed ATN Internet SARPs “validation baseline draft” must be available no later than 7 August 1995, to be ready for use by validating States and Organizations in the preparation and deployment of validation systems, networks and studies; and,
3. that this “validation baseline draft” be prepared by application of traceable editorial modifications to the current review draft (i.e. Version 2.1) of the ATN Internet SARPs, as agreed and documented during the July 1995 meeting of ATNP Working Group 2.

The editor of the draft SARPs Version 2.1 (France) can continue to support the necessary editorial activities to meet this deadline (i.e. 7 August) for production of a “validation baseline draft” SARPs document:

- a) given the agreement of ATNP Working Group 2 during the July 1995 meeting to the proposals above and to the changes required; and,
- b) given the documentation prior to the conclusion of the Working Group meeting of precise and traceable editorial instructions to specify the textual and graphical changes as agreed by the Working Group.