

ATNP WG3/WP/34
October 1994

AERONAUTICAL TELECOMMUNICATION NETWORK PANEL (ATNP)

WORKING GROUP 3 (APPLICATIONS AND UPPER LAYERS)

**San Diego, California USA
October 24-28, 1994**

PROPOSAL TO CREATE SARPs DRAFTING GROUPS

(Presented by Ron Jones)

SUMMARY

This paper proposes to create three drafting groups under ATNP WG3 in order to progress the development of SARPs and Guidance Material.

Reference: ATNP/1 Report

1. Background

Working Group 3 has been task by ATNP/1 with the development of SARPs and Guidance Material for the following topics:

- fixed and mobile ATM and system applications
- ATN upper layers supporting fixed and mobile aeronautical communications
- messaging applications over the ATN
- encoding rules and data compression functions

2. Proposal

Given the extent of the total work program assigned to Working Group 3 and the prospective of working group meetings occurring at approximately 6 month intervals, it is apparent that significant work will need to take place between the working group meetings if the proposed SARPs and Guidance Material are to be ready by ATNP/2. For this reason it is proposed that the three following drafting groups be created under WG3:

1. ATM and System Applications SARPs and Guidance Material Drafting Group
2. ATN Upper Layers SARPs and Guidance Material Drafting Group
3. ATN Messaging Applications SARPs and Guidance Material Drafting Group

3. Recommendation

It is recommended that three drafting groups be created under ATNP WG3 to progress the development of SARPs and Guidance Material as discussed in section 2 above. It is recommend that a work program be established for each of the drafting groups. The working group is invited to consider the strawman work program provided in Attachments A through C for each of the proposed drafting groups.

ATTACHMENT A

STRAWMAN WORK PROGRAM FOR:

ATM and System Applications SARPs and Guidance Material Drafting Group

- a) develop draft SARPs and guidance material for both fixed service and mobile ATM and systems applications (e.g., directory service) that will be using the ATN communication services
- b) review material from other ICAO panels, including ADSP and ASPP, to identify the operational requirements for ATN upper layer communication services
- c) as directed by WG3 and within the framework of the security concepts as defined by WG1, develop material for inclusion in the draft SARPs and guidance material for ATM and system applications (a) to define the appropriate security features
- d) develop material for inclusion in the draft SARPs and guidance material for ATM and system applications (a) to define application specific data compression functions (e.g., compression of graphical information), as appropriate
- e) prepare a report for ATNP/2 assessing the validation of the draft SARPs for ATM and system applications (a)

ATTACHMENT B

STRAWMAN WORK PROGRAM FOR:

ATN Messaging Applications SARPs and Guidance Material Drafting Group

- a) develop draft SARPs and guidance material for ATN messaging applications based on the material in Appendix A to the report on Agenda Item 5 of ATNP/1.
- b) as directed by WG3 and within the framework of security concepts as defined by WG1, develop material for inclusion in the draft SARPs and guidance material for messaging applications (a) to define appropriate security features
- c) development of a report for ATNP/2 assessing the validation of the draft SARPs for ATN messaging applications (a)

ATTACHMENT C

STRAWMAN WORK PROGRAM FOR:

ATN Upper Layer SARPs and Guidance Material Drafting Group

- a) develop draft SARPs and guidance material for ATN upper layers architecture and protocols based on the framework proposed in Appendix B to the Report on Agenda Item 7 of ATNP/1.
- b) as directed by WG3 and within the framework of security concepts, as defined by WG1, develop material defining the appropriate security features for inclusion the draft SARPs and guidance material for ATN upper layers (a)
- c) develop material for inclusion in the draft SARPs and guidance material for ATN upper layers (a) to define the appropriate encoding rules and data compression functions
- d) as directed by WG3 and within the framework of ATN system management, as defined by WG1, develop material to define appropriate upper layer managed objects for inclusion in the draft SARPs and guidance material for ATN upper layers (a),
- e) prepare a report for ATNP/2 assessing the validation of the draft ATN upper layer SARPs and guidance material (a)