**AERONAUTICAL TELECOMMUNICATIONS NETWORK PANEL (ATNP)**


**WORKING GROUP 3 - APPLICATIONS AND UPPER LAYERS**


**Banff, 16 - 20 October 1995 (fourth meeting)**


**Agenda Item 5.1 Report from SG1 :**


**WP4 - 10 : Status of Draft SARPs for ICC**


Presented by C. Leclerc

**Summary**

This Working Paper is a status report on the work done by Subgroup 1 on the Draft SARPs for ICC. It also presents conclusions of Subgroup 1 on this subject.

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## References

[1]        Minutes of the third SG1 meeting (Toulouse, 9-10 March 1995)

[2]        Minutes of the fourth SG1 meeting (Brussels, 7-9 June 1995)

[3]        Report of SG1 Chairman to WG3 (ATNP/WG3 Banff meeting - WP4-8)

## 1.            INTRODUCTION

The purpose of this working paper is to report to WG3 on the work done by the Ground Applications Subgroup, during its fourth and fifth meetings on the development of the draft SARPs for Inter Centre Communications (ICC).

## 2.            SUMMARY OF THE WORK DONE ON ICC

2.1.            An outline of the draft SARPs for ICC which is Version 0.0 of SG1 Standing Document SD06 was presented at the Brussels SG1 meeting, together with a method for identifying forthcoming amendments and new material which will be added during the SARPs development process. It was noted that the proposed structure may have to be changed taking into account the decisions made at the WG3 Fairfax meeting.

The Subgroup also reviewed several working papers and information papers presenting solutions for the communications support of ICC, among which one will have to be selected. Noting that the ICC work was not advanced enough, the Subgroup was not able to determine the validity of these solutions and to select one. It was decided instead to identify what the communication requirements are, starting from the operational requirements.

2.2.            At the Banff SG1 meeting, amendments to Version 0.0 of SD06 were presented which extend the scope of this version to include inter alia Pre-Flight requirements and means to support backwards compatibility with AFTN-based  existing applications.

The Subgroup reviewed several working papers and information papers dealing with the ground/ground support of CM and CPDLC, the identification of communication requirements placed by ICC, end-to-end performance of OSI-TP and a proposal for draft AIDC (ATS Interfacility Data Communications) SARPs. The latter being based on work that has been done by the Air/Ground Applications and Upper Layer Architecture Subgroups of Working Group 3.

## 3.            CONCLUSIONS OF SUBGROUP 1 ON INTER CENTRE COMMUNICATIONS

The following conclusions on the draft SARPs for ICC were reached by Subgroup 1:

## 3.1

The structure and style of the draft SARPs for ICC will be based on the structure adopted for the Air/Ground Applications SARPs.

**3.2**

There is a need to assess the adequacy of the SG3 proposed Upper Layer Architecture versus agreed communication requirements of ICC.

**3.3**

The ICC Drafting Group will determine how to accommodate four remaining operational services in the proposed SARPs document. These services are part of the agreed list of the nine services to be supported by the ATN ICC Application and are the following: G/G support of CM and CPDLC, Airspace Management, Application Management and Flight Planning.

**3.4**

Concerning the Transfer Syntax and Encoding Rules, the ICC SARPs shall include the preferred end-state option (e.g. ASN.1/PER) in the form of a Recommendation. A note will further specify the other options which may be implemented for transition purposes at regional level(s).

**3.5**

If other transitional considerations are identified in addition to those concerning the Transfer Syntax and Encoding Rules, then a separate document dedicated to these transitional considerations will be produced by the ICC Drafting Group. In such a case, the note describing the options for the Transfer Syntax and Encoding Rules would be moved from the SARPs to this document.

**4.         RECOMMENDATION**

Working Group 3 is invited to note the information contained in the present report and to endorse the work so far achieved by Subgroup 1 in the field of Inter Centre Communications.