

AERONAUTICAL TELECOMMUNICATIONS NETWORK PANEL

Joint WG2/WG3 Meeting

(Limited Scope)

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**Proposed High Level Structure of the CNS/ATM-1 Package
SARPs & Guidance Material**

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Summary

This paper proposes a high level structure for the CNS/ATM-1 Package SARPs that are currently being produced by the ATNP Working Groups. Adoption of a structure along these lines will result in one physical document being presented to ATNP/2.

Proposed High Level Structure of the CNS/ATM-1 Package SARPs & Guidance Material

1. Introduction

Working Groups 2 & 3 of the ATN Panel are developing SARPs & guidance material for the CNS/ATM-1 Package. These SARPs are being documented in a number of separate documents without an overall high level structure for the CNS/ATM-1 Package SARPs and guidance material as a whole.

2. Proposal

It is proposed that the various components of the CNS/ATM-1 Package SARPs are merged to result in a single document. Likewise, it is proposed that the guidance material is also combined to form one single guidance material document for the CNS/ATM-1 Package.

The WG is invited to review, comment and adopt a high level structure for the CNS/ATM-1 SARPs and Guidance Material along the lines indicated in the attachment.

ATTACHMENT

Part 0 - Introduction to the CNS/ATM-1 Package SARPs

Part 1 - System Level Requirements & Issues

Part 2 - CNS/ATM-1 Internet SARPs

Part 3 - CNS/ATM-1 Upper Layers SARPs

Part 4 - CNS/ATM-1 Applications

Part 5 - Glossary

Part 6 - Acronymns & Abbreviations

Part 7 - References

Part 0 - Introduction to the CNS/ATM-1 SARPs

- 1. Scope of the CNS/ATM-1 Package**
 - 1.1 Structure of the CNS/ATM-1 SARPs**
 - 1.2 CNS/ATM-1 Applications**
 - 1.3 CNS/ATM-1 Upper Layers**
 - 1.4 CNS/ATM-1 Internet**
- 2. Specification Methodology**
 - 2.1 ATN Profile Requirements Lists**

Part 1 - CNS/ATM-1 System Level Requirements & Issues

- 1 User & Operational Requirements for CNS/ATM-1**
 - 1.1 Assumptions/Constraints in CNS/ATM-1**
 - 1.2 User Requirements**
 - 1.3 Operational Requirements**
- 2. CNS/ATM-1 System Issues**
 - 2.1 Quality of Service**
 - 2.2 Systems Management**
 - 2.3 CNS/ATM-1 Traffic Types & Routing Policy**
 - 2.4 Security**
 - 2.5 Addressing**

Part 2 - CNS/ATM-1 Internet SARPs

- 1. ATN Architecture**
 - 1.1 ATN Components**
 - 1.2 ATN Addressing Plan**
 - 1.3 ATN QoS Management**
 - 1.4 ATN Systems Management**
 - 1.5 ATN Security**
 - 2. ATN End Systems**
 - 2.1 Service Provided to Transport Service Users**
 - 2.2 Use of the Transport Protocol**
 - 2.3 Use of the Internetwork Protocol**
 - 3. Interoperability over Air-Ground Data Links**
 - 3.1 Use of the Inter-Domain Routing Protocol**
 - 3.2 Use of the Internetwork Protocol**
 - 3.3 Use of the ES-IS Protocol**
 - 3.4 Use of the Mobile SNDCF**
 - 3.5 Data Link Compression**
 - 3.6 Route Initiation Procedures**
 - 4. Interoperability over Ground-Ground Data Links**
 - 4.1 Use of the Inter-Domain Routing Protocol**
 - 4.2 Use of the Internetwork Protocol**
- Attachment A Mobile SNDCF Specifiacion**

Part 3 - CNS/ATM-1 Upper Layer Architecture SARPs

- 1. Air/Ground Upper Layer Architecture**
- 2. Ground/Ground Upper Layer Architecture**

Part 4 - CNS/ATM-1 Application SARPs

- 1. Air/Ground Applications**
 - 1.1 Controller Pilot Data Link Communications**
 - 1.2 Automatic Dependent Surveillance**
 - 1.3 Flight Information Services**
 - 1.4 Context Management**
- 2. Ground/Ground Applications**
 - 2.1 Message Handling Service**
 - 2.2 Inter-Centre Co-ordination**