



ATNP/WG3/WP 17-13

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AERONAUTICAL TELECOMMUNICATION NETWORK PANEL

WORKING GROUP 3 (APPLICATIONS AND UPPER LAYERS)

Gran Canaria, Spain, 28 September - 1 October 1999

Agenda Item 6.4: ULCS Post Package 1 work

**Status of Sub-Volume 4 "Package 2" Guidance Material (GACS,
Naming, Security, CLDS)**

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SUMMARY

This paper informs the Working Group of the current status of the Guidance Material for "Package 2" additions to Sub-Volume 4 (Upper Layer Communications Service) of the ATN Technical Provisions.

1. INTRODUCTION

The goal of this paper is to provide the Working Group with the current status of work in progress on the Guidance Material for "Package 2" additions to Sub-Volume 4 (Upper Layer Communications Service) of the ATN Technical Provisions.

The draft Guidance Material additions were presented to the sixteenth meeting (Naples) of Working Group 3 as Working Paper 16-11: "Draft Guidance Material for Sub-Volume 4 Enhancements." This WP is available on the ATNP Archive maintained by CENA, and it is not proposed to present it again at the present meeting.

The working draft Guidance Material presented at that time included the following contents:

1. Introduction, including a list of additional References.
2. Guidance on Upper Layer Naming and Addressing extensions. This includes a general description of the enhancements, a discussion of the rationale for the approach adopted, considerations of how this will work in practice, registration issues, backwards compatibility considerations and other issues. A draft of this section had previously been presented to the Working Group as WG3 WP14-11.
3. Guidance on the Connectionless Dialogue Service. So far, this consists only of an example of the PER encoding of the connectionless PDUs.
4. Placeholder for guidance on the Secure Dialogue Service.
5. Guidance on the Generic ATN Communication Service (GACS). This includes background material on the requirements for GACS, an overview of the GACS service and how it is realised by the protocol provisions, and a description of the CO and CL protocol stacks. Drafts of this section had been presented at earlier Working Group meetings (e.g. WG3 WP15-13).

2. CURRENT STATUS

The status of the draft SV4 Guidance Material has not changed since the previous WG3 meeting in Naples. Outstanding work on the SV4 Guidance Material for Package 2 includes the following:

1. Updates to the GACS section, including practical implementation guidance and encoding examples arising from EUROCONTROL validation work.
2. Addition of a major new section containing guidance for the Secure Dialogue Service. Draft guidance has been presented in previous ATNP WG3 Working Papers, for example WG3/WP15-42. However, this must be treated with caution, as the underlying security concept was not completely stable at that time.
3. A decision is needed on how best to integrate the new Guidance Material into the existing Comprehensive ATN Manual (CAMAL). Following this, the draft SV4 material will need to be restructured and converted from Microsoft Word 97 to Corel WordPerfect 8.

3. CONCLUSION

1. Significant effort is still required to update the SV4 Guidance Material prior to the December meeting of Working Group 3.
2. Most of the work relates to guidance for the Secure Dialogue Service. It is recommended that a meeting of WG3/SG3 dedicated to this drafting task be convened before the December meetings.
3. An urgent decision is needed on how the Package 2 Guidance Material will be integrated into the Comprehensive ATN Manual (CAMAL).