AERONAUTICAL TELECOMMUNICATIONS NETWORK PANEL

Working Group 2

21st Meeting

Limmerick, Ireland

11 – 14 July 2000

Updated Guidance Material for Sub-Volume 5

Working Paper

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Summary

This paper provides a short summary of the changes made to Part IV, Section 3 of the CAMAL, which contains the Guidance Material related to the ATN ICS SARPs (i.e. Sub-Volume 5).

The updated version of Part IV, Section 3 of the CAMAL is presented under separate cover for review and amendment by the working group.

1   Introduction

For information of the WG 2 members, this paper provides a short summary of the changes made to the Guidance Material (GM) related to the ATN ICS SARPs which is contained in Part IV, Section 3 of Edition 1 of Doc 9739 (i.e. CAMAL).

Section 3 of Part IV of Doc 9739 has been updated with the objective to align it with Draft Edition 3 of Subvolume 5 (SV5) . The update version of the SV5 GM is available in electronic form on the ATNP archive and is presented in hard copy to this meeting under separate cover.

2   Summary of Changes

The following changes have been made to Section 3 of Part IV of Doc 9739:

- More than three hundred editorial updates of the existing text in order to ensure editorial consistency and correctness of the internal references.

- A number of amendments and revisions in order to align the existing GM text with the 41 technical changes made to the ATN ICS SARPs in the context of the CCB process.

- A new section 3.3.2.2.10 has been added which provides guidance on the dynamic adaptation of the local retransmission time in the connection-oriented transport protocol.

- A new section 3.7 has been added which addresses interoperability issues and backwards compatibility between Draft Edition 3 of the ATN ICS SARPs and previous editions.

3   Further Work

Additional GM is required with respect to the following technical subjects introduced in Editions 2 and 3 of the ATN ICS SARPs in the context of the CCB process and the ICS enhancements respectively:

Incomplete specification for use of V.42bis by Mobile SNDCF	PDR 97100001
X.25 Address Extension Facility	PDR 98040003
Correlation of ATSC Class with A/G Subnetwork Type in Airborne Router	PDR 98060006
Backbone Hides Optimal Route to Off-Back-bone BISs	PDR 98090004
Handoff Event	PDR 98100007
Over-specification of SNSDU Requirement	PDR 99010001
Loss of IDRP Connection	PDR 99010005
Parameter Setting in CLNP Echo Response PDU	PDR 99030001
ATSC Class of Locally Originated Routes	PDR 99070005
Potential Misdelivery of CLNP Packets	PDR M0040002
Requirements for mobile subnetworks to issue Join and Leave Events within given latency interval	ICS3-01
Requirement for IS-SME to respect quarantine time before processing next Join event from mobile subnetworks having issued a Leave event	ICS3-02
Requirements for enhanced IDRP security consistent with the ATN security architecture (i.e. draft Sub-Volume 8).	ICS3-06
Suppression of re-advertisement of routes in the case of changing mobile subnetwork	ICS3-08

connectivity	
Revision of TP4 Acknowledgement Timer value	ICS3-11
Amendment of existing mobile SNDCF and/or development of additional mobile SNDCFs to include new subnetwork types	ICS3-12
Enhancements to the DEFLATE algorithm to allow for the dynamic negotiation for the use of pre-stored dictionaries	ICS3-13
Additional mobile SNDCF option to allow maintenance of DEFLATE history window when changing ground stations or air/ground routers respectively	ICS3-14

4   Recommendation

The working group is invited to review the updated version of the SV5 GM and to develop new material w.r.t. the items listed in section 3 above.