

AERONAUTICAL TELECOMMUNICATIONS NETWORK PANEL

Working Group 2

18th Meeting

Napoli, Italy

18 - 21 May 1999

**Draft Amendment 1 of Subvolume V
(Internet Communications Service)**

Working Paper

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Summary

This paper presents a draft of Amendment 1 of Subvolume V which is an update of the relevant part of ICAO Doc 9705 (Edition 1, 1998) along the ICS PDRs resolved and approved by the ATNP CCB.

Draft Amendment 1 of Subvolume V is based on the ICAO WordPerfect files of Doc 9705 (Edition 1, 1998). Revision marks have been used in order to clearly highlight and track changes and amendments from this baseline.

WG 2 members are invited to review the attached Draft Attachment 1 of Subvolume V and to report any identified inconsistencies to the Subject Matter Expert (SME).

1 Introduction

This paper presents a draft of Amendment 1 of Subvolume V of Doc 9705 for review by the WG 2.

Draft Amendment 1 of Subvolume V is an update of Doc 9705 (Edition 1, 1998) along the agreed solutions of the following PDRs which have been raised against the Internet Communications Service (ICS) SARPs in the period January 1998 to May 1999 and approved by the ATNP CCB:

PDR Number	PDR Title	CCB Status
98040003	X.25 Address Extension Facility	RESOLVED
98050001	IDRP Update Receive Process	RESOLVED
98060003	Predicates in ISO/IEC 8473 APRL	RESOLVED
98060004	Support of IDRP by Airborne Router implementing optional non-use of IDRP	RESOLVED
98060005	Air/Ground Route Initiation APRL	RESOLVED
98060006	Correlation of ATSC Class with A/G Subnetwork Type in Airborne Router	RESOLVED
98060007	Symmetry of Mobile SNDCF APRL and Route Initiation APRL	RESOLVED
98060008	IDRP Traffic Typing	RESOLVED
98080001	Segmentation of Error Report PDU	RESOLVED
98090002	Incorrect term "24-bit ICAO Aircraft Identifier"	RESOLVED
98090003	Downgrading of ATSC Class	RESOLVED
98090010	Value of SNCR in X.25 Call Request Packets	RESOLVED
98100002	Deflate Frame Checksum	RESOLVED
98100003	End-of-Block Code in Deflate Data Block	RESOLVED
98100004	Deletion of Trailing Zero-Octet	RESOLVED
98100005	Deflate Backwards Window Size	RESOLVED
98100007	Handoff Event	RESOLVED
99010008	References to ISO/IEC 8802-2 Broadcast Subnetworks	RESOLVED
99030001	Parameter Setting in CLNP Echo Response PDU	RESOLVED
99030002	Emergency Use of a Mobile Subnetwork	RESOLVED

Table 1: List of ICS PDRs Included in Draft Amendment 1 of Subvolume V

Please note that the ICS PDRs

- 97060028 - Transport Timers Configuration
- 97060029 - Various Editorial Defects (1)
- 97060030 - IDRP Timers
- 97100001 - Incomplete specification for use of V.42bis by Mobile SNDCF
- 97100002 - SNDCF Call Request/Confirm User Data Length Indicator

- 97100003 - Various Editorial Defects (2)
- 97100048 - LREF Directory Management

have been approved by the CCB prior to end of 1997 and have already been included in Edition 1 of Doc 9705.

PDR 99050001 (Echo NPDUs supported by ATN Intermediate Systems) has been approved at the CCB-9 meeting and will be included in Amendment 1 but is not yet contained in the attached draft of Amendment 1.

Draft Amendment 1 of Subvolume V is based on the ICAO WordPerfect files of Doc 9705 (Edition 1, 1998). Revision marks have been used in order to clearly highlight and track changes and amendments from this baseline: inserted text is highlighted by underlines, deleted text by strike-out lines.

A softcopy of Draft Amendment 1 in WordPerfect 8 format will be available on the PC archive of this meeting and on the ATNP archive at Toulouse for download by interested parties.

2 Cross-References

In order to trace modified sections in Draft Amendment 1 back to the associated PDR the following two cross-references have been established:

- Table 2 lists those PDRs which have been included in Draft Amendment 1 and the associated sections in Doc 9705 which are affected by the agreed solution for these PDRs
- Table 3 lists the section numbers of Doc 9705 which have been updated or amended in the context of Draft Amendment 1 and the associated PDR which contains the background on the change and the agreed overall solution.

These cross-references have been established for convenience of ATNP members and implementors when using the original Doc 9705 in conjunction with Draft Amendment 1.

PDR Number	Updated Sections of Doc 9705 (Edition 1)
PDR 98040003	5.7.6.2.1.1.2 (Note 1 and Note 2)
PDR 98050001	5.8.3.5.5 (Item INCONS)
PDR 98060003	5.6.4.14 (Item idCRR-s), 5.6.4.15 (Item ieCRR-s)
PDR 98060004	5.2.4.1.2, 5.2.4.1.3
PDR 98060005	5.3.5.2.15.1, 5.3.5.2.15.2, 5.3.5.2.15.3, 5.3.5.2.15.4, 5.3.5.2.15.5, 5.3.5.2.15.6
PDR 98060006	5.3.5.1 (Note 6), 5.3.5.2.6.5 (plus Note 2 and Note 2), 5.3.5.2.6.7, 5.3.5.2.6.8, 5.3.5.2.6.9, 5.3.5.2.6.10, 5.3.5.2.10.5, 5.3.5.2.12.3.2 a) and b), 5.8.2.1.3, 5.8.2.1.3.1, 5.8.2.1.3.2, 5.8.2.1.3.3, 5.8.2.1.3.4, 5.8.2.1.3.4.1 (plus Note), 5.8.2.1.3.4.2, Figure 5.8-1, 5.8.2.1.3.4.3, 5.8.2.1.3.4.3.1, 5.8.2.1.3.4.3.2, 5.8.2.1.3.4.3.3, 5.8.2.1.3.4.3.4, 5.8.2.1.3.4.3.5 (plus Note 1 and Note 2), 5.8.2.1.3.4.3.6 (plus Note), 5.8.2.1.3.4.3.7, Table 5.8-1 (plus Note), Table 5.8-2, 5.8.2.2.1, 5.8.3.2.3.2.2, 5.8.3.2.3.2.5, 5.8.3.2.3.3.6, 5.8.3.2.8.1, 5.8.3.3.2.1.1
PDR 98060007	5.7.6.2.1.1.1, 5.7.7.8.2
PDR 98060008	5.8.3.2.14.1 (Note)
PDR 98080001	5.6.4.15
PDR 98090002	5.4.3.8.4.4
PDR 98090003	5.3.2.2.3.2.2.3 (plus Note), 5.3.2.2.3.2.2.4
PDR 98090010	5.7.6.2.1.5.6, 5.7.6.2.1.5.14
PDR 98100002	5.7.6.5.6.3, 5.7.6.5.6.4
PDR 98100003	5.7.6.5.4.1.3 (Note), 5.7.6.5.4.1.4, 5.7.6.5.8.2.3
PDR 98100004	5.7.6.5.4.2.5.3 (plus Note), 5.7.6.5.2.9, 5.7.6.5.8.3.2
PDR 98100005	5.7.6.5.7.1.3 (Note 1)
PDR 98100007	5.3.5.2.3.2 (Note 1), 5.3.5.2.3.2.2, 5.3.5.2.4.2, 5.3.5.2.5.2, 5.3.5.2.14 (plus Note 1, Note 2 and Note 3), 5.3.5.2.14.1, 5.3.5.2.14.2, 5.3.5.2.14.3, 5.3.5.2.15.1, 5.3.5.2.15.2, 5.3.5.2.15.3, 5.3.5.2.15.4, 5.3.5.2.15.5
PDR 99010008	5.7.3 (plus Note), 5.7.3.1
PDR 99030001	5.6.3.4, 5.6.3.4.1 (plus Note), 5.6.3.4.2, 5.6.3.4.3, 5.6.3.4.4, 5.6.3.4.5, 5.6.4.2 (Items ATN CLNP6, ATNP CLNP7), 5.6.4.4 (Items ePRI-s, ePRI-r, eErsP), 5.6.4.10 (Items epSecu-s, epSecu-r, epPRR-s, epPRR-r, epQOSM-s, epQOSM-r, epPri-s, epPri-r), 5.6.4.12 (Items iPri, iErsP), 5.6.4.17 (Items ipSecu-s, ipSecu-r, ipPRR-s, ipPRR-r, ipQOSM-s, ipQOSM-r, ipPri-s, ipPri-r)
PDR 99030002	5.3.5.2.2.2, 5.3.5.2.2.2.1, 5.3.5.2.2.2.2 (plus Note), 5.3.5.2.7.2 (Note), 5.3.5.2.15.4 (Item emgncy-agr)

Table 2: Cross-Reference of PDR Number and Amended Sections in Doc 9705

Updated Section of Doc 9705	PDR Number
5.2.4.1.2	PDR 98060004
5.2.4.1.3	PDR 98060004
5.3.2.2.3.2.2.3	PDR 98090003
5.3.2.2.3.2.2.3, Note	PDR 98090003
5.3.2.2.3.2.2.4	PDR 98090003
5.3.5.1 (Note 6)	PDR 98060006
5.3.5.2.2.2	PDR 99030002
5.3.5.2.2.2.1	PDR 99030002
5.3.5.2.2.2.2	PDR 99030002
5.3.5.2.2.2.2, Note	PDR 99030002
5.3.5.2.3.2, Note 1	PDR 98100007
5.3.5.2.3.2.2	PDR 98100007
5.3.5.2.4.2	PDR 98100007
5.3.5.2.5.2	PDR 98100007
5.3.5.2.6.5	PDR 98060006
5.3.5.2.6.5, Note 1	PDR 98060006
5.3.5.2.6.5, Note 2	PDR 98060006
5.3.5.2.6.7	PDR 98060006
5.3.5.2.6.8	PDR 98060006
5.3.5.2.6.9	PDR 98060006
5.3.5.2.6.10	PDR 98060006
5.3.5.2.7.2, Note	PDR 99030002
5.3.5.2.10.5	PDR 98060006
5.3.5.2.12.3.2 a) and b)	PDR 98060006
5.3.5.2.14	PDR 98100007
5.3.5.2.14, Note 1	PDR 98100007
5.3.5.2.14, Note 2	PDR 98100007
5.3.5.2.14, Note 3	PDR 98100007
5.3.5.2.14.1	PDR 98100007
5.3.5.2.14.2	PDR 98100007
5.3.5.2.14.3	PDR 98100007
5.3.5.2.15.1	PDR 98060005, PDR 98100007
5.3.5.2.15.2	PDR 98060005, PDR 98100007

5.3.5.2.15.3	PDR 98060005, PDR 98100007
5.3.5.2.15.4	PDR 98060005, PDR 98100007, PDR 99030002
5.3.5.2.15.5	PDR 98060005, PDR 98100007
5.3.5.2.15.6	PDR 98060005
5.4.3.8.4.4	PDR 98080002
5.6.3.4	PDR 99030001
5.6.3.4.1	PDR 99030001
5.6.3.4.1, Note	PDR 99030001
5.6.3.4.2	PDR 99030001
5.6.3.4.3	PDR 99030001
5.6.3.4.4	PDR 99030001
5.6.3.4.5	PDR 99030001
5.6.4.2	PDR 99030001
5.6.4.4	PDR 99030001
5.6.4.10	PDR 99030001
5.6.4.12	PDR 99030001
5.6.4.14	PDR 98060003
5.6.4.15	PDR 98060003, PDR 98080001
5.6.4.17	PDR 99030001
5.7.3	PDR 99010008
5.7.3, Note	PDR 99010008
5.7.3.1	PDR 99010008
5.7.6.2.1.1.1	PDR 98060007
5.7.6.2.1.1.2, Note 1	PDR 98040003
5.7.6.2.1.1.2, Note 2	PDR 98040003
5.7.6.2.1.5.6	PDR 98090010
5.7.6.2.1.5.14	PDR 98090010
5.7.6.5.2.9	PDR 98100004
5.7.6.5.4.1.3, Note	PDR 98100003
5.7.6.5.4.1.4	PDR 98100003
5.7.6.5.4.2.5.3	PDR 98100004
5.7.6.5.4.2.5.3, Note	PDR 98100004
5.7.6.5.6.3	PDR 98100002
5.7.6.5.6.4	PDR 98100002
5.7.6.5.7.1.3, Note 1	PDR 98100005

5.7.6.5.8.2.3	PDR 98100003
5.7.6.5.8.3.2	PDR 98100004
5.7.7.8.2	PDR 98060007
5.8.2.1.3	PDR 98060006
5.8.2.1.3.1	PDR 98060006
5.8.2.1.3.2	PDR 98060006
5.8.2.1.3.3	PDR 98060006
Figure 5.8-1	PDR 98060006
5.8.2.1.3.4	PDR 98060006
5.8.2.1.3.4.1	PDR 98060006
5.8.2.1.3.4.1, Note	PDR 98060006
5.8.2.1.3.4.2	PDR 98060006
5.8.2.1.3.4.3	PDR 98060006
5.8.2.1.3.4.3.1	PDR 98060006
5.8.2.1.3.4.3.2	PDR 98060006
5.8.2.1.3.4.3.3	PDR 98060006
5.8.2.1.3.4.3.4	PDR 98060006
5.8.2.1.3.4.3.5	PDR 98060006
5.8.2.1.3.4.3.5, Note 1	PDR 98060006
5.8.2.1.3.4.3.5, Note 2	PDR 98060006
5.8.2.1.3.4.3.6	PDR 98060006
5.8.2.1.3.4.3.6, Note	PDR 98060006
5.8.2.1.3.4.3.7	PDR 98060006
Table 5.8-1	PDR 98060006
Table 5.8-1, Note	PDR 98060006
Table 5.8-2	PDR 98060006
5.8.2.2.1	PDR 98060006
5.8.3.2.3.2.2	PDR 98060006
5.8.3.2.3.2.5	PDR 98060006
5.8.3.2.3.3.6	PDR 98060006
5.8.3.2.8.1	PDR 98060006
5.8.3.2.14.1, Note	PDR 98060008
5.8.3.3.2.1.1	PDR 98060006
5.8.3.5.5	PDR 98050001

Table 3: Cross-Reference of Updated Sections in Doc 9705 and Associated PDR

3 Recommendation

WG 2 members are invited to review the attached Draft Attachment 1 of Subvolume V and to report any identified inconsistencies or omissions to the Subject Matter Expert (SME).

**Draft Amendment 1
of
Subvolume V
(Internet Communications Service)
of
ICAO Doc 9705
(Edition 1)**

Version 1.0

10 May 1999