

AERONAUTICAL TELECOMMUNICATIONS NETWORK PANEL

Working Group 3 (Applications and Upper Layers)

Rio de Janeiro (Brazil), 16-20 March 1998

Configuration Control Board

Rio de Janeiro (Brazil), 13th March 1998

SME 2 (Air-Ground ATN Applications) Status Report

Presented by: F. Picard (Sub-Volume 2 SME)

SUMMARY

This paper provides a summary status of PDRs raised against the Sub-Volume 2 (Air-Ground Applications) ATN SARPs.

The Working Group 3 is invited to approve this report.

The CCB members are invited to review the non-resolved PDRs identified in this report and to provide a vote on the technical solution proposed by the SME2 Team.

1. Introduction

The goal of this paper is to provide WG3 with the current status of the Proposed Defect Reports (PDRs) raised against Sub-Volume 2 (Air-Ground ATN Applications) of the ATN SARPs.

Two meetings were held since last WG-3 meeting in Redondo Beach (U.S.A):

- CCB-3 in Redondo Beach (U.S.A).
- CCB-4 in Montreal (Canada) - 15th December 1997.

The outputs of these two meetings resulted in the production of version ICAO 2.2 of the ATN SARPs, i.e. all the resolution of the RESOLVED PDRs are included in IV2.2.

Version IV2.2 of SARPs Sub-Volume 2 and the PDRs referenced in the WP are available on the CENA server by ftp.

2. Sub-Volume 2 PDRs

No new general PDRs have been raised against sub-volume 2 since CCB-4.

SV2	PDR title	CCB status	SME2 Rec.
97060001	Errors introduced in version 2.0	RESOLVED	-
97100029	Editorial errors in SV 2 - version IV1.1	RESOLVED	-
97110001	ICAO 2.1	RESOLVED	-

3. CM SARPs PDRs

No new PDRs have been raised against the CM SARPs since CCB-4.

CM	PDR title	CCB status	SME2 Rec.
97060002	Time stamp addition	WITHDRAWN	-
97080001	ETD correction	RESOLVED	-
97100006	Exception handling correction	RESOLVED	-

4. ADS SARPs PDRs

ADS	PDR title	CCB status	SME2 Rec.
97060003	Time stamp addition	WITHDRAWN	-
97060004	Validity indication for downlink parameters	RESOLVED	-
97060005	Unbounded ASN.1 types	WITHDRAWN	-
97060007	Invalid reference to 'flight id'	RESOLVED	-
97060008	Facility designation correction	RESOLVED	-
97080002	Redundant reason code	RESOLVED	-
97080003	Removal of 'speed units'	RESOLVED	-
97080004	'shall' in recommendation	RESOLVED	-
97080005	Invalid ASN.1	RESOLVED	-
97080006	Missing exception case	RESOLVED	-
97080007	ATC connections	RESOLVED	-
97080008	Invalid error handling	RESOLVED	-
97100007	Reception of a negative D-START confirmation	RESOLVED	-
97120002	Validity indication for downlink parameters	RESOLVED	-

Two new PDRs have been raised against the ADS SARPs since CCB-4. PDR 98030001 identifies an inconsistency in the ADS protocol description. PDR "EDITOADS" is not yet registered by CCB. These PDRs are attached to this paper.

ADS	PDR title	CCB status	SME2 Rec.
98030001	Errors in tables 2.2.1.5-31 and 32	SUBMITTED	ACCEPTED
editoads	Editorial errors	SUBMITTED	FORWARDED

5. CPDLC SARP PDRs

No new PDRs have been raised against the CPDLC SARP since CCB-4.

CPDLC	PDR title	CCB status	SME2 Rec.
97060006	Start collision in CPDLC	RESOLVED	-
97060009	Facility designation correction	RESOLVED	-
97060011	Revision on position definition	RESOLVED	-
97060012	VHF frequency	WITHDRAWN	-
97060013	Missing Uplink Message 200	RESOLVED	-
97080010	Modification Unit Name definition	RESOLVED	-
97080011	Invalid CPDLC ASN.1 UM189	RESOLVED	-
97100008	Position report format	RESOLVED	-
97100009	Not permitted PDU in D-END indication	RESOLVED	-
97100010	Incorrect range for LevelFeet	RESOLVED	-
97100011	Reduction on message size	RESOLVED	-
97100012	Invalid message response	RESOLVED	-
97100013	Additional Traffic Type	RESOLVED	-
97100014	Routing class must be ATC	RESOLVED	-
97100015	AirwayName changed	RESOLVED	-
97100016	VHF Frequency/Frequencychannel	RESOLVED	-
97100017	Unrecoverable error only as recommendation	RESOLVED	-
97100018	Additional data in ERROR message	RESOLVED	-
97100019	Facility Function ASN.1 definition	RESOLVED	-
97100025	Meaningless Rqt can not be met	RESOLVED	-
97100026	Exception handling correction	RESOLVED	-
97100036	Change of variable name 'DistanceOffset' to 'DistanceSpecified'	RESOLVED	-
97100037	Reserved Message Elements	RESOLVED	-

97100038	Y Response required for MAYDAY and PAN PAN PAN messages	RESOLVED	-
97100039	Route Clearance	RESOLVED	-

6. FIS SARPs PDRs

No new PDRs have been raised against the FIS SARPs since CCB-4.

FIS	PDR title	CCB status	SME2 Rec.
97060010	Facility Designation Correction	RESOLVED	-
97080009	T-LI-1 timer expiration	RESOLVED	-
97080012	ASN.1 definition of VisibilityNautMiles	RESOLVED	-
97080013	ASN.1 definition of VerticalVisibility	RESOLVED	-
97100020	Invalid parameter description of the FIS-update-contract response	RESOLVED	-
97100021	ApproachType ASN.1 definition	RESOLVED	-
97100022	Maximum size of an ATIS report	RESOLVED	-
97100023	Positive Acknowledgement on a negative contract-update response	RESOLVED (Forwarded to WG3)	-
97100034	Reception of a cancel contract accept APDU	RESOLVED	-
97110003	Update contract cancelled during contract establishment	RESOLVED	-
97110004	Invalid values for t-DC-1 and t-DC-2	RESOLVED	-

7. Statistics

The following tables provide the statistics on all PDRs raised against Sub-Volume 2 since its approval at the Phuket ATNP WG/1 meeting.

	SUBMITTED	WITHDRAW N	PROPOSED	RESOLVED	TOTAL
SV2				3	3
CM		1		2	3
ADS	2	2		12	16
CPDLC		1		24	25
FIS				11	11
TOTAL		4		52	58

8. Conclusion

The Working Group 3 is invited to approve this report.

The CCB members are invited to review the non-resolved PDRs identified in this report and to provide a vote on the technical solution proposed by the SME2 Team.

Title: ADS - Error in Tables 2.2.1.5-31 and 32

PDR Reference: 98030001
Originator Reference: -
SARPs Document Reference: ADS SARPs, Tables 2.2.1.5-31
Status: SUBMITTED
PDR Revision Date: 04/03/98 (SUBMITTED)
Submitting State/Organization: CENA - DGAC
Submitting Author Name: Jean, M
Submitting Author E-mail Address: jean@cenatls.cena.dgac.fr
Submitting Author Supplemental Contact Information:
SARPs Date: IV2.2, Rio
SARPs Language: English

Summary of Defect:

Upon receipt of an ADS-cancel-contract-PDU, the air EC module shall invoke an ADS-cancel indication with the contract type parameter set to the value "event-contract" and create an ADS-positive-acknowledgement-PDU with the Request type APDU-element set to the value "cancel-event-contract".

Tables 2.2.1.5-31 and 2.2.1.5-32 specify the two values in the reverse order.

If implemented as described in the SARPs, any attempt to cancel an event contract causes the abort of the dialogue by the ADS-ground-ASE.

Assigned SME: Sub-Volume II SME

Proposed SARPs amendment:

1/ Change Table 2.2.1.5-31 from:

Contract type | cancel-event-contract

to:

Contract type | event-contract

2/ Change Table 2.2.1.5-32 from

Request type | event-contract

to:

Request type | cancel-event-contract

SME Recommendation to CCB: ACCEPTED

CCB Decision: CCB-5 (Rio): ?

Title: ADS - Editorial errors

PDR Reference: -
Originator Reference: editoads
SARPs Document Reference: ADS SARPs, see text
Status: SUBMITTED
PDR Revision Date: -
Submitting State/Organization: CENA - DGAC
Submitting Author Name: Jean, M
Submitting Author E-mail Address: jean@cenatls.cena.dgac.fr
Submitting Author Supplemental Contact Information:
SARPs Date: IV2.2, Rio
SARPs Language: English

Summary of Defect:

1/ Table 2.2.1.5-1 - cell (t-EM-2,timer stop event)
change ADS-modify-emergency-contract request to ADS-modify-emergency-contract confirmation.

2/ Change 2.2.1.5.3.8.8 from
"Upon receipt of an ADS-negative-acknowledgement-PDU" to
"Upon receipt of an ADS-negative-acknowledgement-PDU for an event contract".

3/ Change 2.2.1.5.3.10.9 from
"Upon receipt of an ADS-negative-acknowledgement-PDU" to
"Upon receipt of an ADS-negative-acknowledgement-PDU for a periodic contract".

4/ In 2.2.1.5.3.9.5, "positive acknowledgement" shall be in italics.

5/ In 2.2.1.5.3.10.4.1 b), change "ADS-cancel-PDU" to "ADS-cancel-contract-PDU".

6/ In 2.2.1.5.3.15.5.1, there is no reason to start the t-LI-1 timer. Remove item b) and add the word "and" at the end of item a).

7/ In 2.2.1.5.3.15.4.1 a), change "with PDU in the user data" to "with the PDU in the user data".

8/ Table 2.2.1.5-62, the lines ADS-negative-acknowledgement-PDU/cancel-event-contract and cancel-periodic-contract should be removed.

9/ In table 2.2.1.5-73, cell (ADS-cancel-all-contracts request,LI-G-ACTIVE), add "start t-LI-1" to be in line with section 2.2.1.5.3.15.3.1b).

10/ In table 2.2.1.5-73, cell (ADS-cancel-contract-PDU,...,ADS-cancel-emergency-ack-PDU, LI-G-END), replace "not permitted" with "LI-G-END" to be in line with 2.2.1.5.3.15.4.2.

Assigned SME: Sub-Volume II SME

Proposed SARPs amendment:

SME Recommendation to CCB: FORWARDED

CCB Decision: CCB-5 (Rio): ?