

Annex F

CL Upper Layers PICS



ATNP/WG3/WP 19-43

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AERONAUTICAL TELECOMMUNICATION NETWORK PANEL

WORKING GROUP 3 (APPLICATIONS AND UPPER LAYERS)

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Agenda Item 5 : PICS and OICS

Connectionless Upper Layers PICS Proforma

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SUMMARY

This working paper contains the ATN Profile PICS proforma tables for the ATN Connectionless Upper Layers (Dialogue Service, Control Function, Association Control, Presentation and Session).

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Table I-1: PICS Identification

Ref No	PICS Identification	Implementation PICS
I-1.1	Date of Statement (DD/MM/YY)	
I-1.2	PICS Serial Number	
	Profile Identification	Profile Details
I-1.3	Profile Name	
I-1.4	Version	
I-1.5	Profile Authority Name	
I-1.6	Profile Applicability (Areas, Countries, Organisations etc where the profile can be applied)	
I-1.7	Date of effect	
I-1.8	Other Information	

Table I-2: Supplier and Implementation Identification

Ref No	Supplier Information	Supplier Details
I-2.1	Organization Name	
I-2.2	Contact Name(s)	
I-2.3	Address	
I-2.4	Telephone Number	
I-2.5	Telex Number	
I-2.6	Fax Number	
I-2.7	E-mail Address	
I-2.8	Other Information	
Implementation Information		Implementation Details
I-2.9	Implementation Name	
I-2.10	Implementation Version	
I-2.11	Hardware Name	
I-2.12	Hardware Version	
I-2.13	Operating System Name	
I-2.14	Operating System Version	
I-2.15	Special Configuration	
I-2.16	Other Information	

Table P-1: Connectionless Presentation Protocol Identification

Ref No		ATN	Profile	Implementation
P-1.1	ATN Protocol Standard (Title, reference, date)	ICAO Doc 9705 Third Edition - 2000 (tbc)		
P-1.2	ISO Presentation Standards	ISO/IEC 9576-1: 1995 ISO/IEC 9576-1: 1995/Amd. 1: 1997		
P-1.3	Addenda, amendments and corrigenda implemented			
P-1.4	Defect Reports implemented			

Table P-2: Supported Connectionless Presentation Protocol Mechanisms

Source: Chapter 7 - CL Presentation Protocol		ATN	Profile	IMP	Notes
Ref No	Protocol Mechanism	Status	Status	Support	
P-2.1	Null encoding	M			

Table P-3: Supported Connectionless Presentation Protocol Data Units

Source: Chapter 7 - CL Presentation Protocol		Sender			Receiver			Notes
Ref No	Presentation Protocol Data Unit	ATN Status	Profile Status	IMP Support	ATN Status	Profile Status	IMP Support	
P-3.1	Unit Data (UD)	—	—	—	—	—	—	a
P-3.2	Short Unit Data (SUD)	M			M			

Notes:
a PDU defined in efficiency enhancement amendment

Table P-4: PPDU SUD Parameters When Sending and Receiving

Source: Chapter 7 - CL Presentation Protocol		Sender			Receiver			Notes
Ref No	SUD Parameters	ATN Status	Profile Status	IMP Support	ATN Status	Profile Status	IMP Support	
P-4.1	Encoding Choice	M			M			
P-4.2	User Data	M			M			

Table A-1: Connectionless ACSE Protocol Identification

Ref No		ATN	Profile	Implementation
A-1.1	ATN Protocol Standard (Title, reference, date)	ICAO Doc 9705 Third Edition - 2000 (tbc)		
A-1.2	ISO ACSE Standards	ISO/IEC 10035-1: 1995 ISO/IEC 10035-1: 1995/Amd. 1: 1997		
A-1.3	Addenda, amendments and corrigenda implemented			
A-1.4	Defect Reports implemented			

Table A-2: Selection of ACSE Functional Units

Source: Chapter 8 - CL ACSE Protocol		ATN	Profile	IMP	Notes
Ref No	Role	Profile	Status	Support	
A-2.1	Kernel	M			
A-2.2	Authentication	C.1			

ATN Profile:

- C.1 If the Connectionless Dialogue Service user requires use of the Security Requirements parameter of the D-UNIT-DATA primitives, then **M** else **O**

Table A-3: Supported Roles for AUDT Application Protocol Data Unit

Source: Chapter 8 - CL ACSE Protocol		ATN	Profile	IMP	Notes
Ref No	Role	Profile	Status	Support	
A-3.1	Sender	M			
A-3.2	Receiver	M			

Table A-4: AUDT Parameter When Sending and Receiving

Source: Chapter 8 - CL ACSE Protocol		Sender			Receiver			Notes
Ref No	AARQ Parameter	ATN Status	Profile Status	IMP Support	ATN Status	Profile Status	IMP Support	
A-4.1	Protocol Version	X			M			
A-4.2	Application Context Name	M			M			
A-4.3	Called AP Title	X			M			
A-4.4	Called AE Title	X			M			
A-4.5	Called AP Invocation Identifier	X			X			
A-4.6	Called AE Invocation Identifier	X			X			
A-4.7	Calling AP Title	M			M			
A-4.8	Calling AE Title	M			M			
A-4.9	Calling AP Invocation Identifier	X			M			
A-4.10	Calling AE Invocation Identifier	X			M			
A-4.11	Implementation Information	X			X			
A-4.12	User Information	M			M			
A-4.13	Authentication Mechanism Name	C.1			C.2			
A-4.14	Authentication Value	C.1			C.2			

ATN Status:

- C.1 The parameters shall be supported for receiving, but are ignored if the Authentication functional unit is not supported by the receiver.
- C.2 The parameters shall be supported for sending, only if the Authentication functional unit is supported.

Table S-1: Connectionless Session Protocol Identification

Ref No		ATN	Profile	Implementation
S-1.1	ATN Protocol Standard (Title, reference, date)	ICAO Doc 9705 Third Edition - 2000 (tbc)		
S-1.2	ISO Session Standards	ISO/IEC 9548-1: 1996		
S-1.3	Addenda, amendments and corrigenda implemented			
S-1.4	Defect Reports implemented			

Table S-2: Supported Connectionless Session Protocol Data Units

Source: Chapter 6 - CL Session Protocol		Sender			Receiver			Notes
Ref No	Session Protocol Data Unit	ATN Status	Profile Status	IMP Support	ATN Status	Profile Status	IMP Support	
S-2.1	Unit Data (UD)	—	—	—	—	—	—	
S-2.2	Short Unit Data (SUD)	M			M			a

Notes:
a PDU defined in efficiency enhancement amendment

Table S-3: SUD Parameters When Sending and Receiving

Source: Chapter 6 - CL Session Protocol		Sender			Receiver			Notes
Ref No	Parameter	ATN Status	Profile Status	IMP Support	ATN Status	Profile Status	IMP Support	
S-3.1	User Information Field	M			M			