ITU-T

H.837

TELECOMMUNICATION STANDARDIZATION SECTOR OF ITU (01/2015)

SERIES H: AUDIOVISUAL AND MULTIMEDIA SYSTEMS

E-health multimedia services and applications – Interoperability compliance testing of personal health systems (HRN, PAN, LAN, TAN and WAN)

Conformance of ITU-T H.810 personal health devices: WAN interface Part 7: Consent management: Sender

Recommendation ITU-T H.837



ITU-T H-SERIES RECOMMENDATIONS

AUDIOVISUAL AND MULTIMEDIA SYSTEMS

	_
CHARACTERISTICS OF VISUAL TELEPHONE SYSTEMS	H.100-H.199
INFRASTRUCTURE OF AUDIOVISUAL SERVICES	
General	H.200-H.219
Transmission multiplexing and synchronization	H.220-H.229
Systems aspects	H.230-H.239
Communication procedures	H.240-H.259
Coding of moving video	H.260-H.279
Related systems aspects	H.280-H.299
Systems and terminal equipment for audiovisual services	H.300-H.349
Directory services architecture for audiovisual and multimedia services	H.350-H.359
Quality of service architecture for audiovisual and multimedia services	H.360-H.369
Telepresence	H.420-H.429
Supplementary services for multimedia	H.450-H.499
MOBILITY AND COLLABORATION PROCEDURES	
Overview of Mobility and Collaboration, definitions, protocols and procedures	H.500-H.509
Mobility for H-Series multimedia systems and services	H.510-H.519
Mobile multimedia collaboration applications and services	H.520-H.529
Security for mobile multimedia systems and services	H.530-H.539
Security for mobile multimedia collaboration applications and services	H.540-H.549
Mobility interworking procedures	H.550-H.559
Mobile multimedia collaboration inter-working procedures	H.560-H.569
BROADBAND, TRIPLE-PLAY AND ADVANCED MULTIMEDIA SERVICES	
Broadband multimedia services over VDSL	H.610-H.619
Advanced multimedia services and applications	H.620-H.629
Ubiquitous sensor network applications and Internet of Things	H.640-H.649
IPTV MULTIMEDIA SERVICES AND APPLICATIONS FOR IPTV	
General aspects	H.700-H.719
IPTV terminal devices	H.720-H.729
IPTV middleware	H.730-H.739
IPTV application event handling	H.740-H.749
IPTV metadata	H.750-H.759
IPTV multimedia application frameworks	H.760-H.769
IPTV service discovery up to consumption	H.770-H.779
Digital Signage	H.780-H.789
E-HEALTH MULTIMEDIA SERVICES AND APPLICATIONS	
Interoperability compliance testing of personal health systems (HRN, PAN, LAN, TAN and WAN)	Н.820-Н.859
Multimedia e-health data exchange services	H.860-H.869

For further details, please refer to the list of ITU-T Recommendations.

Recommendation ITU-T H.837

Conformance of ITU-T H.810 personal health devices: WAN interface Part 7: Consent management: Sender

Summary

Recommendation ITU-T H.837 is a transposition of Continua Health Alliance Test Tool DG2013, Test Suite Structure & Test Purposes, WAN Interface; Part 7: Consent Management. Sender (Version 1.1, 2014-01-24), that was developed by the Continua Health Alliance. A number of versions of this specification existed before transposition.

This Recommendation includes an electronic attachment with the protocol implementation conformance statements (PICS) and the protocol implementation extra information for testing (PIXIT) required for the implementation of Annex A.

History

Edition	Recommendation	Approval	Study Group	Unique ID*
1.0	ITU-T H.837	2015-01-13	16	11.1002/1000/12255

^{*} To access the Recommendation, type the URL http://handle.itu.int/ in the address field of your web browser, followed by the Recommendation's unique ID. For example, http://handle.itu.int/11.1002/1000/11830-en.

FOREWORD

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The approval of ITU-T Recommendations is covered by the procedure laid down in WTSA Resolution 1.

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In this Recommendation, the expression "Administration" is used for conciseness to indicate both a telecommunication administration and a recognized operating agency.

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Table of Contents

1	Scope		
2	Refere	ences	
3	Defini	itions	
	3.1	Terms defined elsewhere	
	3.2	Terms defined in this Recommendation	
4	Abbre	viations and acronyms	
5	Conve	entions	
6	Test s	uite structure (TSS)	
7	Electr	onic attachment	
Anne	ex A – T	est purposes	
	A.1	TP definition conventions	
	A.2	Subgroup 1.5.1: WAN XDR transaction (TRANS)	
	A.3	Subgroup 1.5.2: WAN metadata validation (META)	
	A.4	Subgroup 1.5.3: WAN consent directive validation (CDV)	
Bibli	ography		

Electronic attachment: Protocol implementation conformance statements (PICS) and the protocol implementation extra information for testing (PIXIT) required for the implementation of Annex A.

Introduction

This Recommendation is a transposition of Continua Health Alliance Test Tool DG2013, Test Suite Structure & Test Purposes, WAN Interface; Part 7: Consent Management. Sender (Version 1.1, 2014-01-24), that was developed by the Continua Health Alliance. A number of versions of this specification existed before transposition and these can be found in the table below.

Version	Date	Revision history
1.0	2012-10-05	Initial release for Test Tool DG2011
1.1	2013-05-24	Initial release for Test Tool DG2012. This uses "TSS&TP_DG2011_WAN_PART_7_(SEN CM)_v1.0" as a baseline and it adds minor modifications included in [b-CDG 2012] for consent management
1.2	2014-01-24	Initial release for Test Tool DG2013. This uses "TSS&TP_DG2012_WAN_PART_7_(SEN CM)_v1.1.doc" as a baseline because new features included in [ITU-T H.810] do not affect the test procedures specified in this document

Recommendation ITU-T H.837

Conformance of ITU-T H.810 personal health devices: WAN interface Part 7: Consent management: Sender

1 Scope

The scope of this Recommendation¹ is to provide a test suite structure and the test purposes (TSS & TP) for the WAN interface based on the requirements defined in the Continua Design Guidelines (CDG) [ITU-T H.810]. The objective of this test specification is to provide a high probability of air interface interoperability between different devices.

The TSS & TP for the WAN interface document have been divided into the eight parts specified below. This Recommendation covers Part 7.

- Part 1: Web services interoperability [ITU-T H.810] Sender
- **Part 2:** Web services interoperability [ITU-T H.810] Receiver
- Part 3: SOAP/ATNA. Sender
- Part 4: SOAP/ATNA. Receiver
- Part 5: PCD-01 HL7 messages. Sender
- Part 6: PCD-01 HL7 messages. Receiver
- Part 7: Consent management [HL7 CDA IG] Sender
- Part 8: Consent management [HL7 CDA IG] Receiver

2 References

The following ITU-T Recommendations and other references contain provisions which, through reference in this text, constitute provisions of this Recommendation. At the time of publication, the editions indicated were valid. All Recommendations and other references are subject to revision; users of this Recommendation are therefore encouraged to investigate the possibility of applying the most recent edition of the Recommendations and other references listed below. A list of the currently valid ITU-T Recommendations is regularly published. The reference to a document within this Recommendation does not give it, as a stand-alone document, the status of a Recommendation.

[ITU-T H.810]	ITU-T H.810 (2013), Interoperability design guidelines for personal health
	systems.

[HL7 CDA IG] Health Level Seven (2011), HL7 Implementation Guide for Clinical Document Architecture, Release 2: Consent Directives, Release 1, HL7 Draft Standard for Trial Use.

DSTU_201_1JAN.pdf

[IHE ITI TF-2b] IHE IT TF-2b (2009) IHE ITI Infrastructure Technical Framework, Volume 2b: Transactions Part B. Revision 6.0 Final Text.

[IEEE 11073-20601A] IEEE 11073-20601A-2010, IEEE Health informatics – Personal health device communication – Part 20601: Application profile – Optimized Exchange Protocol Amendment 1.

http://standards.ieee.org/findstds/standard/11073-20601a-2010.html

¹ This Recommendation includes an electronic attachment with the protocol implementation extra information for testing (PIXIT) required for the implementation of Annex A.

3 Definitions

3.1 Terms defined elsewhere

- **3.1.1** agent [IEEE 11073-20601A]: A node that collects and transmits personal health data to an associated manager.
- **3.1.2** manager [IEEE 11073-20601A]: A node receiving data from one or more agent systems. Some examples of managers include a cellular phone, health appliance, set top box, or a computer system.

3.2 Terms defined in this Recommendation

None.

4 Abbreviations and acronyms

This Recommendation uses the following abbreviations and acronyms:

ATNA Audit Trail and Node Authentication

ATS Abstract Test Suite

CDA Clinical Document Architecture

CDG Continua Design Guidelines

DUT Device Under Test

ebXML electronic business using extensible Markup Language

EHR Electronic Health Record

INR International Normalized Ratio

IUT Implementation Under Test

MDS Medical Device System

MTOM Message Transmission Optimization Mechanism

NFC Near Field Communication

PCD Patient Care Device

PCO Point of Control and Observation

PCT Protocol Conformance Testing

PHD Personal Healthcare Device

PHDC Personal Healthcare Device Class

PHM Personal Healthcare Monitoring (report)

PICS Protocol Implementation Conformance Statement

PIXIT Protocol Implementation extra Information for Testing

S/MIME Secure/Multipurpose Internet Mail Extensions

SDP Service Discovery Protocol

SOAP Simple Object Access Protocol

TCRL Test Case Reference List

TCWG Test and Certification Working Group

TP Test Purpose

TSS Test Suite Structure

URI Uniform Resource Identifier

USB Universal Serial Bus

WAN Wide Area Network

WDM Windows Driver Model

WS Web Service

WSDL Web Service Description Language

XDR cross-enterprise Document Reliable interchange

XDS.b cross-enterprise Document Sharing-b

XML extensible Markup Language

5 Conventions

The key words "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "MAY", "MAY NOT" in this document are to be interpreted as in [b-ETSI SR 001 262].

- SHALL is equivalent to 'must' or 'it is required to'.
- SHALL NOT is equivalent to 'must not' or 'it is not allowed'.
- SHOULD is equivalent to 'it is recommended to'.
- SHOULD NOT is equivalent to 'it is not recommended to'.
- MAY is equivalent to 'is permitted'.
- MAY NOT is equivalent to 'it is not required that'.

NOTE – The above-mentioned key words are capitalized for illustrative purposes only and they do not appear capitalized within this Recommendation.

Reference is made in the ITU-T H.800-series of Recommendations to different versions of the Continua design guidelines (CDG) by a specific designation. The list of terms that may be used in this Recommendation is provided in Table 1. Furthermore, the 2013 edition of the Continua design guidelines, which is published as [ITU-T H.810], is designated by "CDG 2013" as an extension of the designations indicated in the bibliography.

Table 1 – List of designations associated with the various versions of the CDG

CDG name	Transposed as	Version	Description	Designation
2013 plus errata	ITU-T H.810	4.1	CDG 2013 plus errata noting all ratified bugs.	_
2013	_	4.0	Release 2013 of CDG including maintenance updates of the CDG 2012 and additional guidelines that cover new functionalities.	Endorphin
2012 plus errata	_	3.1	CDG 2012 plus errata noting all ratified bugs [b-CDG 2012].	_
2012	_	3.0	Release 2012 of the CDG including maintenance updates of CDG 2011 and additional guidelines that cover new functionalities.	Catalyst

Table 1 - List of designations associated with the various versions of the CDG

CDG name	Transposed as	Version	Description	Designation
2011 plus errata	_	2.1	CDG 2011 integrated with identified errata.	_
2011	_	2.0	Release 2011 of CDG including maintenance updates of the CDG 2010 and additional guidelines that cover new functionalities [b-CDG 2011].	Adrenaline
2010 plus errata	_	1.6	CDG 2010 integrated with identified errata	_
2010	_	1.5	Release 2010 of CDG with maintenance updates of CDG Version 1 and additional guidelines that cover new functionalities [b-CDG 2010].	1.5
1.0	_	1.0	First released version of the CDG [b-CDG 1.0].	-

6 Test suite structure (TSS)

The test purposes (TP) for the WAN Interface have been divided into the main subgroups specified below. Annex A describes the TPs for subgroups 1.5.1 to 1.5.3 (shown in bold).

- Group 1: Sender (SEN)
 - Group 1.1: Web services interoperability (WSI)
 - Subgroup 1.1.1: Basic profile (BP)
 - Subgroup 1.1.2: Basic security profile (BSP)
 - Subgroup 1.1.3: Reliable messaging (RM)
 - Group 1.2: SOAP (SOAP)
 - Subgroup 1.2.1: SOAP headers (HEAD)
 - Group 1.3: Audit (ATNA)
 - Subgroup 1.3.1: General (GEN)
 - Subgroup 1.3.2: PCD-01 (PCD-01)
 - Subgroup 1.3.3: Consent management (CM)
 - Group 1.4: PCD-01 HL7 messages (PCD-01-DATA)
 - Subgroup 1.4.1: General (GEN)
 - Subgroup 1.4.2: Design guidelines (DG)
 - Subgroup 1.4.3: Pulse oximeter (PO)
 - Subgroup 1.4.4: Blood pressure monitor (BPM)
 - Subgroup 1.4.5: Thermometer (TH)
 - Subgroup 1.4.6: Weighing scales (WEG)
 - Subgroup 1.4.7: Glucose meter (GL)
 - Subgroup 1.4.8: Cardiovascular fitness and activity monitor (CV)
 - Subgroup 1.4.9: Strength fitness equipment (ST)
 - Subgroup 1.4.10: Independent living activity hub (HUB)
 - Subgroup 1.4.11: Adherence monitor (AM)
 - Subgroup 1.4.12: Peak expiratory flow monitor (PF)

- Subgroup 1.4.13: Body composition analyser (BCA)
- Subgroup 1.4.14: Basic electrocardiograph (ECG)
- Group 1.5: Consent management (CM)
 - Subgroup 1.5.1: WAN XDR transaction (TRANS)
 - Subgroup 1.5.2: WAN metadata validation (META)
 - Subgroup 1.5.3: WAN consent directive validation (CDV)
- Group 2: Receiver (REC)
 - Group 2.1: Web service interoperability (WSI)
 - Subgroup 2.1.1: Basic profile (BP)
 - Subgroup 2.1.2: Basic security profile (BSP)
 - Subgroup 2.1.3: Reliable messaging (RM)
 - Group 2.2: SOAP (SOAP)
 - Subgroup 2.2.1: SOAP headers (HEAD)
 - Group 2.3: Audit (ATNA)
 - Subgroup 2.3.1: General (GEN)
 - Subgroup 2.3.2: PCD-01 (PCD-01)
 - Subgroup 2.3.3: Consent management (CM)
 - Group 2.4: PCD-01 HL7 messages (PCD-01-DATA)
 - Subgroup 2.4.1: General (GEN)
 - Subgroup 2.4.2: Design guidelines (DG)
 - Subgroup 2.4.3: Pulse oximeter (PO)
 - Subgroup 2.4.4: Blood pressure monitor (BPM)
 - Subgroup 2.4.5: Thermometer (TH)
 - Subgroup 2.4.6: Weighing scales (WEG)
 - Subgroup 2.4.7: Glucose meter (GL)
 - Subgroup 2.4.8: Cardiovascular fitness and activity monitor (CV)
 - Subgroup 2.4.9: Strength fitness equipment (ST)
 - Subgroup 2.4.10: Independent living activity hub (HUB)
 - Subgroup 2.4.11: Adherence monitor (AM)
 - Subgroup 2.4.12: Peak expiratory flow monitor (PF)
 - Subgroup 2.4.13: Body composition analyser (BCA)
 - Subgroup 2.4.14: Basic electrocardiograph (ECG)
 - Group 2.5: Consent management (CM)
 - Subgroup 2.5.1: WAN XDR transaction (TRANS)
 - Subgroup 2.5.2: WAN service validation (SER)

7 Electronic attachment

The protocol implementation conformance statements (PICS) and the protocol implementation extra information for testing (PIXIT) required for the implementation of Annex A can be downloaded from http://handle.itu.int/11.1002/2000/12067.

In the electronic attachment, letters "C" and "I" in the column labelled "Mandatory" are used to distinguish between "PICS" and "PIXIT" respectively during testing. If the cell is empty, the corresponding PICS is "independent". If the field contains a "C", the corresponding PICS is dependent on other PICS, and the logical expression is detailed in the "SCR_Expression" field. The static conformance review (SCR) is used in the test tool to assert whether the PICS selection is consistent.

Annex A

Test purposes

(This annex forms an integral part of this Recommendation.)

A.1 TP definition conventions

The Test Purposes are defined according to the following rules:

- **TP Id**: This is a unique identifier (TP/<TT>/<DUT>/<GR>/<SGR>/<XX> <NNN>). It is specified according to the naming convention defined below:
 - Each test purpose identifier is introduced by the prefix "TP".
 - <TT>: This is the test tool that will be used in the test case.
 - WAN: Wide area network
 - O <DUT>: This is the device under test.
 - SEN: WAN observation sender
 - REC: WAN observation receiver

 - <XX>: This identifies the type of testing.
 - BV: Valid behaviour test
 - BI: Invalid behaviour test
 - <NNN>: This is a sequential number that identifies the test purpose (TP).
- **TP label**: This is the title of the TP.
- **Coverage**: This contains the specification reference and clause to be checked by the TP.
 - Spec: This indicates the earliest version of the specification from which the testable items to be checked by the TP are included.
 - Testable item: This contains testable items to be checked by the TP.
- **Test purpose**: This is a description of the requirements to be tested.
- **Applicability**: This contains the PICS items that define if the test case is applicable or not for a specific device. When a TP contains an "ALL" in this field it means that it applies to the device under test within that scope of the test (specialization, transport used, etc.).
- **Initial condition**: This indicates the state to which the DUT needs to be moved at the beginning of TC execution.
- **Test procedure**: This describes the steps to be followed in order to execute the test case.
- **Pass/Fail criteria**: This provides criteria to decide whether the DUT passes or fails the test case.

A.2 Subgroup 1.5.1: WAN XDR transaction (TRANS)

TP Id		TP/WAN/SEN/CM/TRANS/BV-000					
TP label		Provide and Register Document Set-b Transaction Request					
Coverage	Spec	[b-CDG 2012] - WAN interface	[b-CDG 2012] - WAN interface requirements for consent management				
	Testable items	ConsentSender3; M					
	Spec	[IHE ITI TF-2b]					
	Testable items	ProvideProtocol12; M	ProvideProtocol13; M	ProvideProtocol2; M			
	items	ProvideSource1; M					
Applicability		C_SEN_000 AND C_SEN_GE	EN_002				
Initial condit	ion	The WAN simulated receiver has a WebService enabled with a consent management service. The sender under test has a clinical document architecture (CDA) ready to be sent to the respective service according to its needs.					
Test procedu	ıre	message. 2. Check that: a. In the HTTP hea action="urn:ihe Content-Type = boundary elem type = "applica b. In the SOAP me The namespacenvelope" (SOC) There are one The simulated receive Response" message	:iti:2007:ProvideAndRegisterDo = multipart/related ent is a MIMEBoundary tion/xop+xml" ssage e of the SOAP envelope is "http	ocumentSet-b" o://www.w3.org/2003/05/soap- nts in the SOAP Body. d Register Document Set-b			
Pass/Fail crit	teria	All steps are as specified within	n the test procedure above.				
Notes							

A.3 Subgroup 1.5.2: WAN metadata validation (META)

TP ld		TP/WAN/SEN/CM/META/BV-000				
TP label		Metadata Syntactic Validation				
Coverage	Spec	[IHE ITI TF-2b]				
	Testable items	ProvideScope1; M	ProvideProtocol9; M			
	Spec	[b-CDG 2012] - WAN interface	requirements for consent mana	gement		
	Testable items	ConsentSender4; M	ConsentSender 5; M			
Applicability	1	C_SEN_000 AND C_SEN_GE	N_002			
Initial condit	ion		as a WebService enabled with a CDData service. The sender und according to its needs.			
Test procedure		message to the consectommunicatePCDDa 2. Check that in the SOA a. There is only one that it contains: Only one - A X doo - An doo (Re - Zer nev Zero or b. The PID-3 eleme SubmitObjectsResourcePatientId]/ O Subfield		rPCD-01" message to the atSetRequest/> element, and > element, that contains: bject) element for each along with the linkage to new ing documents as along with the linkage to s. equal to sicObject/Slot[@name =		
Pass/Fail cri	teria	All steps are as specified within	n the test procedure above.			
Notes						

TP Id		TP/WAN/SEN/CM/META/BV-001					
TP label		Metadata Submission Set Validation					
Coverage	Spec	[b-CDG 2	2012]				
	Testable	WANXD	SSub-1; O	WANXDSSub-2; M	WANXDSSub-3; M		
	items	WANXD	SSub-4; M	WANXDSSub-5; M	WANXDSSub-6; M		
		WANXD	SSub-7; O	WANXDSSub-8; M	WANXDSSub-9; O		
			SSub-10; M	WANXDSSub-11; M	WANXDSSub-12; M		
			SSub-13; M	WANXDSSub-14; M	WANXDSSub-15; M		
Applicability	<u> </u>		000 AND C_SEN_GE	· ·	With Books 10, W		
Аррисавину		C_SEN_	000 AND C_SEN_GE	N_002			
Initial condit	tion	service.		as a WebService enabled with has a CDA ready to be sent to			
Test proced	ure	The sender under test sends a "Provide and Register Document Set-b Request" message containing a CDA referenced in its body					
		Check the following elements of the "Metadata in Submission Set" section sent by the sender under test and its concordance with the clinical document:					
			a. availabilityStatus element may be present				
			b. author element is equal to Consent Directive /ClinicalDocument/author				
			c. authorInstitution element is equal to Consent Directive /ClinicalDocument/author/assignedAuthor/representedOrganization				
				authorPerson element is equal to Consent Directive /ClinicalDocument/author/assignedAuthor/assignedPerson			
				authorRole element is equal to Consent Directive /ClinicalDocument/author/participationFunction			
			authorSpecialty element Is equal to Consent Directive /ClinicalDocument/author/assignedAuthor/code				
			g. comments element may be present				
			h. contentTypeCode element Is present				
			i. entryUUID element is equal to Consent Directive unique ID for submission set				
			 j. patientId element is mapped from /ClinicalDocument/recordTarget/patientRole/id 				
			k. sourceld element is present				
			I. submissionTime	element is present			
			m. title element is ed	qual to Consent Directive /Clinic	calDocument/title		
		n. uniqueId element is equal to Consent Directive /ClinicalDocument/id.					
Pass/Fail criteria All steps are as specified within the test procedure above.							
Notes							

TP ld		TP/WAN/SEN/CM/META/BV-0	002			
TP label		Metadata Document Entry Validation				
Coverage	Spec	[b-CDG 2012]				
	Testable	WANXDSDocEntry-1; O	WANXDSDocEntry-2; M	WANXDSDocEntry-3; M		
	items	WANXDSDocEntry-4; M	WANXDSDocEntry-5; M	WANXDSDocEntry-6; M		
		WANXDSDocEntry-7; M	WANXDSDocEntry-8; O	WANXDSDocEntry-9; O		
		WANXDSDocEntry-10; M	WANXDSDocEntry-11; M	WANXDSDocEntry-12; M		
		WANXDSDocEntry-13; M	WANXDSDocEntry-14; M	WANXDSDocEntry-15; O		
		WANXDSDocEntry-16; M	WANXDSDocEntry-17; O	WANXDSDocEntry-18; M		
		WANXDSDocEntry-19; M	WANXDSDocEntry-20; M	WANXDSDocEntry-21; M		
		WANXDSDocEntry-22; M	WANXDSDocEntry-23; M	WANXDSDocEntry-24; M		
		WANXDSDocEntry-25; O	WANXDSDocEntry-26; O	WANXDSDocEntry-27; O		
		WANXDSDocEntry-28; M	WANXDSDocEntry-29; M	WANXDSDocEntry-30; M		
		WANXDSDocEntry-31; M	WANXDSDocEntry-32; M	WANXDSDocEntry-33; M		
		WANXDSDocEntry-34; M	WANXDSDocEntry-35; M	WANXDSDocEntry-36; M		
		WANXDSDocEntry-37; M	WANXDSDocEntry-38; M	WANXDSDocEntry-39; M		
		WANXDSDocEntry-40; O	WANXDSDocEntry-41; M	WANXDSDocEntry-42; M		
		WANXDSDocEntry-43; M				
Applicability		C_SEN_000 AND C_SEN_GEN_002				
Initial conditi	on	The WAN simulated Receiver has a WebService enabled with a consent management service. The sender under test has a CDA ready to be sent to the respective service according to its needs.				
Test procedu	ire	The sender under test sends a "Provide and Register Document Set-b Request" message containing a CDA referenced in its body				
		Check the following elements of the metadata in the "Document Entry" section sent by the sender under test and its concordance with the clinical document:				
		a. availabilityStatus element may be present				
		b. author element is equal to Consent Directive /ClinicalDocument/author				
			element is equal to Consent Dir nt/author/assignedAuthor/repres			
			ement is equal to Consent Direc nt/author/assignedAuthor/assigr			
			ent is equal to Consent Directivent/author/assignedAuthor/code	е		
		f. authorSpecialty	Ç			
			ent is equal to LOINC code 570°			
		h. classCodeDispla	yName element may be presen	t		
İ		i. comments eleme	ent may be present			

confidentialityCode element is equal to Consent Directive /ClinicalDocument/confidentialityCode confidentialityCodeDisplayName element is equal to Consent Directive /ClinicalDocument/confidentialityCode creationTime element is equal to Consent Directive ١. /ClinicalDocument/effectiveTime entryUUID element is present eventCodeDisplayNameList element may be present formatCode element is equal to "urn:continua:cd:2011" ٥. formatCodeDisplayName element may be present hash element is present q. healthcareFacilityTypeCode element is present r. healthcareFacilityTypeCodeDisplayName element may be present S languageCode element is equal to Consent Directive /ClinicalDocument/languageCode legalAuthenticator element is equal to Consent Directive /ClinicalDocument/legalAuthenticator mimeType element is equal to Consent Directive text/xml parentDocument element may come from /ClinicalDocument/relatedDocument/parentDocument parentDocumentId element may come from /ClinicalDocument/relatedDocument/parentDocument/id parentDocumentRelationship element may come from /ClinicalDocument/relatedDocument/typeId patientId element is equal to Consent Directive /ClinicalDocument/recordTarget/patientRole/id aa. practiceSettingCode element Is present bb. practiceSettingCodeDisplayName element Is present cc. serviceStartTime element is equal to Consent Directive /ClinicalDocument/documentationOf/serviceEvent/effectiveTime/low dd. serviceStopTime element is equal to Consent Directive /ClinicalDocument/documentationOf/serviceEvent/effectiveTime/high ee. size element is present sourcePatientId element is equal to Consent Directive /ClinicalDocument/recordTarget/patientRole/id gg. sourcePatientInfo element is equal to Consent Directive /ClinicalDocument/recordTarget/patientRole/id hh. title element is equal to Consent Directive /ClinicalDocument/title typeCode element is equal to Consent Directive /ClinicalDocument/code/@code typeCodeDisplayName element is equal to Consent Directive /ClinicalDocument/code/@displayName kk. uniqueld element is equal to Consent Directive /ClinicalDocument/id URI element may be present Pass/Fail criteria All steps are as specified within the test procedure above. **Notes**

A.4 Subgroup 1.5.3: WAN consent directive validation (CDV)

TP ld		TP/WAN/SEN/CM/CDV/BV-000				
TP label		Consent Directive Validation				
Coverage	Spec	[HL7 CDA IC	6]			
	Testable	CONF-CD-1	; M	CONF-CD-2; M	CONF-CD-2.2; M	
	items	CONF-CD-3	; M	CONF-CD-4; O	CONF-CD-4.2; O	
		CONF-CD-4	.3; O	CONF-CD-4.4; O	CONF-CD-5; O	
		CONF-CD-6	; O	CONF-CD-7; O	CONF-CD-8; O	
		CONF-CD-9	; O	CONF-CD-10; M	CONF-CD-11; M	
		CONF-CD-1	2; O	CONF-CD-12.2; O	CONF-CD-13; M	
		CONF-CD-1	4; M	CONF-CD-15; M	CONF-CD-16; M	
		CONF-CD-1	7; M	CONF-CD-18; M	CONF-CD-19; R	
		CONF-CD-2	0; R	CONF-CD-21; O	CONF-CD-22; R	
		CONF-CD-2	3; R	CONF-CD-24; O	CONF-CD-25; M	
		CONF-CD-2	6; M	CONF-CD-27; M	CONF-CD-28; O	
		CONF-CD-29; R		CONF-CD-30; R	CONF-CD-31; O	
		CONF-CD-3	2; O	CONF-CD-33; O	CONF-CD-34; M	
		CONF-CD-3	5; O	CONF-CD-36; R	CONF-CD-37; O	
		CONF-CD-3	8; R	CONF-CD-39; O	CONF-CD-41; C	
		CONF-CD-4	2; O			
Applicabil	ity	C_SEN_000 AND C_SEN_GEN_002				
Initial cond	dition			s a webservice enabled with a coady to be sent to the respective s	onsent management service. The service according to its needs.	
Test proce	edure	The sender under test sends a "Provide and Register Document Set-b Request" message containing a CDA referenced in its body				
		2. Check the following elements of the Clinical Document sent by the sender under test:				
		a.	•	16.840.1.113883.10.20.3"		
		b.	•	d = "2.16.840.1.113883.3.445.1"	nuncent and anyol to "D"	
		c. d.		ne confidentialityCode element is ute of the confidentialityCode ele		
			2.16.840.1.113883	3.5.25.		
		e.	If present, codeSys equal to "Confiden	stemName of the confidentialityC tiality".	code element is present and	
		f.	If present, display "Restricted".	/Name attribute of the confidentia	alityCode element is equal to	
		g.	recordTarget elem	ent is present		

- h. author element:
 - /templateId = "2.16.840.1.113883.3.445.2"
 - /functionCode may be present
- intendedRecipient element: the Privacy Consent Directive recipient may be the same person/entity as the intended recipient
- j. legalAuthenticator element may be either the client or their Substitute Decision Maker and if necessary, the Signatures section may provide the signature associated with the consenter's signature
- k. authenticator element may be present
- I. documentationOf/serviceEvent/ element with a templateId of "2.16.840.1.113883.3.445.3" may be present and within this element:
 - o id element may be present
 - effectiveTime element may be present
 - effectiveTime/low/@value element may be present
 - o effectiveTime/high/@value element may be present
 - o code/@code attribute is present
 - o code/@codeSystem attribute is present
 - o code/@codeSystemName attribute may be present
- m. relatedDocument element may be present
- n. component/structuredBody element is present and within this element:
 - component/section with templateId = "2.16.840.1.113883.3.445.17" is present
 - o component/section/title = Privacy Consent Directive Details
 - o component/section/entry is present
 - o component/section/entry/templateId = "2.16.840.1.113883.3.445.4"
 - component/section/entry/@typeCode = "COMP"
 - o component/section/entry/act/templateId = "2.16.840.1.113883.3.445.5"
 - component/section/entry/act/@moodcode ="DEF"
 - o component/section/entry/act/code is present
 - o component/section/entry/act/informant/@typeCode = 'CST'
 - o one or more component/section/entry/act/participant should be present
 - one or more component/section/entry/act/participant/@typeCode = 'IRCP' and component/section/entry/act/participant/templateId = "2.16.840.1.113883.3.445.7" should be present
 - component/section/entry/act/participant/participantRole/code/@codeSystem = "2.16.840.1.113883.11.19682" may be present
 - component/section/entry/act/participant/participantRole should include a playingEntity element
 - component/section/entry/act/entryRelationship may be present with a templateId = "2.16.840.1.113883.3.445.8" and if it is present:
 - /act element is present with classCode = "ACT" and moodCode = "DEF"
 - /act/@negationId with a value of "false" or "true" should be present
 - /act/code/@codeSystem = "2.16.840.1.113883.5.4" is present
 - o component/section/entry/act/entryRelationship may be present with a templateId = "2.16.840.1.113883.3.445.9" and if it is present:
 - it should include one or more
 /organizer/component/observation/@moodCode = 'DEF' with a templateId
 = "2.16.840.1.113883.3.445.10"
 - /organizer/component/observation should include a code element

I	1	
		 /organizer/component/observation may include a precondition/@typeCode = "PRCN" element with a templateId = "2.16.840.1.113883.3.445.11"
		 /organizer/component/observation may include a precondition/@typeCode = "PRCN" element with a templateId = "2.16.840.1.113883.3.445.12"
	0	component/section/entry/act/entryRelationship may be present with a templateId = "2.16.840.1.113883.3.445.13" and if it is present:
		- /act/code is present
		/act/precondition may be present with templateId = "2.16.840.1.113883.3.445.14" and @typeCode = "PRCN"
		- /act/precondition/criterion/[@classCode = "OBS"]/code should be present
	0	component/section/entry/act/entryRelationship may be present with a templateId = "2.16.840.1.113883.3.445.15" and if it is present:
		- /observationMedia/@classCode = "OBS" should be present
	0	component/section/entry/act/entryRelationship may be present with a templateId = "2.16.840.1.113883.3.445.16"
	0	component/section with templateId = "2.16.840.1.113883.3.445.18" and a title of "Signatures" may be present, and if present this section may include the entry/observationMedia for each signature
Pass/Fail criteria	All steps are as	specified within the test procedure above.
Notes		

Bibliography

[b-CDG 1.0] Continua Health Alliance Continua Design Guidelines v1.0. (2008), Continua Design Guidelines.

[b-CDG 2010] Continua Health Alliance Continua Design Guidelines v1.5_(2010),

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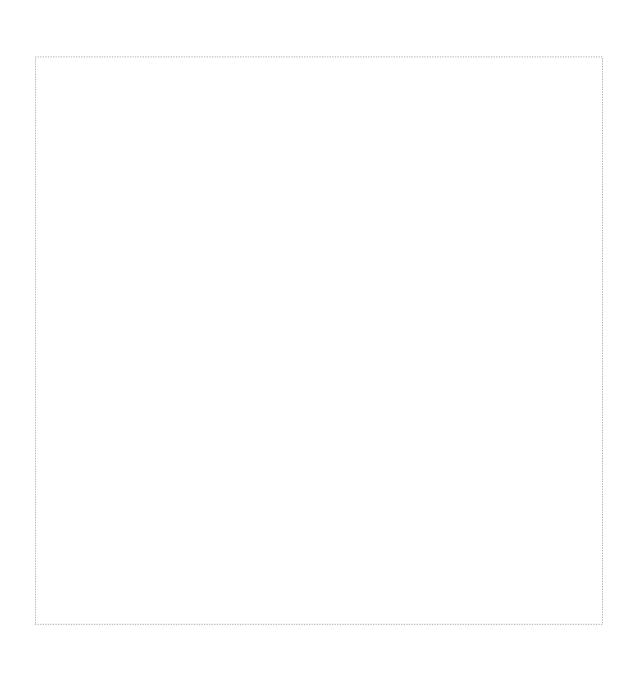
[b-CDG 2011] Continua Health Alliance Continua Design Guidelines (2011)

"Adrenaline", Continua Design Guidelines.

[b-CDG 2012] Continua Health Alliance CDG, Continua Design Guidelines (2012),

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[b-ETSI SR 001 262] ETSI SR 001 262 v1.8.1 (2003): ETSI drafting rules.



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