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IHE Integration Statement

Contents

- 1 About This Statement** **3**

- 2 Profiles** **4**
 - 2.1 IHE Profiles 4
 - 2.2 Profiles for EPD (Switzerland) 7

- 3 Profiles and Actors – Overview** **8**

- 4 Further Information** **11**

1 About This Statement

Integrating the Healthcare Enterprise (IHE) is an international initiative to support vendor-independent interoperability between different healthcare systems. Interoperability is periodically tested at so-called *IHE Connectathons*, where vendors prove the successful interconnection of their software with at least three different systems by other vendors. Successful test results of implemented IHE Profiles are published as IHE Integration Statements.

In order to satisfy the highest-quality requirements, ITH icoserve has committed to periodically testing their product eHealth Solutions at IHE Connectathons to confirm the compliance with current IHE Integration Profiles.

⋮ Vendor

ITH icoserve technology for healthcare GmbH

⋮ Product Name

eHealth Solutions

⋮ Version

VA53A

This product implements all transactions required in the IHE Technical Framework to support the IHE Integration Profiles, Actors and Options listed on the following page.



Note

Profiles are tested regularly at EU and/or US Connectathons.

2 Profiles

2.1 IHE Profiles

Integration Profiles Implemented	Actors Implemented	Options Implemented
Advanced Patient Privacy Consents (APPC)	Content Creator	-
	Content Consumer	Structured Policy Processing Option
Audit Trail and Node Authentication (ATNA)	Audit Record Repository	-
	Secure Node	-
	Secure Application	-
Basic Patient Privacy Consents (BPPC)	Document Creator	Basic Patient Privacy Enforcement
Consistent Time (CT)	Time Server	Secure NTP
	Time Client	Secure NTP SNTP (Simple NTP)
Cross-Community Access (XCA)	Initiating Gateway	Asynchronous Web Service Exchange On-Demand Documents XDS Affinity Domain
	Responding Gateway	On-Demand Documents
Cross-Community Access for Imaging (XCA-I)	Imaging Document Consumer	-
	Imaging Document Source	-
	Initiating Imaging Gateway	Asynchronous Web Services Exchange
	Responding Imaging Gateway	-
Cross-Community Fetch (XCF)	Initiating Gateway	-
	Responding Gateway	-
Cross-Community Patient Discovery (XCPD)	Initiating Gateway	Asynchronous Web Services Exchange
	Responding Gateway	-
Cross-Enterprise Document Media Interchange (XDM)	Portable Media Creator	USB Document Storage CDR Document Storage ZIP file sent over email
	Portable Media Importer	USB Document Storage CDR Document Storage
Cross-Enterprise Document Reliable Interchange (XDR)	Document Source	Multiple Document Submission Transmit Home Community ID
	Document Recipient	-
Cross-Enterprise Document Reliable Interchange for Images (XDR-I)	Imaging Document Source	Sharing of DICOM SOP Instance
	Imaging Document Recipient	Sharing of DICOM SOP Instance
Cross-Enterprise Document Sharing (XDS.b)	Document Administrator	Update Metadata
		Delete Metadata
	Document Consumer	On-Demand Documents
		Document Metadata Update
	Document Registry	Patient Identity Feed (HL7V2/HL7V3)
		On-Demand Documents Document Metadata Update
Document Repository	Reference ID -	

Integration Profiles Implemented	Actors Implemented	Options Implemented
Cross-Enterprise Document Sharing (XDS.b)	Document Source	Asynchronous Web Services Exchange
		Document Replacement
		Document Addendum
		Document Transformation
		Folder Management
	On-Demand Document Source	-
Cross-Enterprise Document Sharing for Imaging (XDS-I.b)	Imaging Document Source	Document Replacement
		Document Addendum
		Document Transformation
	Folder Management	
Patient Identity Source	Patient Identity Feed (HL7V2/HL7V3)	
Cross-Enterprise Document Sharing for Imaging (XDS-I.b)	Imaging Document Consumer	-
	Imaging Document Source	PDF Report
		Set of DICOM Instances
		CDA Wrapped Text Report
Further XDS-I.b actors are listed in the integration profile XDS.b.		
Cross-Enterprise Sharing of Scanned Documents (XDS-SD)	Content Creator	-
	Content Consumer	View Option
Cross-Enterprise User Assertion (XUA)/ Cross-Enterprise User Assertion Attribute Extension (XUA++)	X-Service Provider	Subject-Role
		PurposeOfUse
	X-Service User	Subject-Role
		PurposeOfUse
Cross-Enterprise Workflow (XDW)	Content Creator	Document Import Option
	Content Updater	XDW Cross-Community with XDR
	Content Consumer	XDW Cross-Community with XDR
Document Digital Signature (DSG)	Content Consumer	View Option
	Content Creator	Detached Signature
Document Metadata Subscription (DSUB)	Content Consumer	Detached Signature
	Document Metadata Publisher	-
	Document Metadata Subscriber	-
	Document Metadata Notification Broker	Folder Subscription
		Document Metadata Publish Recipient
	Notification Puller	-
Document Metadata Update (XDS MU)	Document Metadata Notification Recipient	-
	Document Consumer	-
	Document Registry	-
Healthcare Provider Directory (HPD)	Document Administrator	-
	Provider Information Consumer	-
	Provider Information Directory	Provider Information Feed Federation
	Provider Information Source	-

Integration Profiles Implemented	Actors Implemented	Options Implemented
Internet User Authorization (IUA)	Authorization Client	OAuth Baerer Token SAML Token
	Authorization Server	OAuth Baerer Token SAML Token
	Resource Server	OAuth Baerer Token SAML Token
Mobile Access to Health Documents (MHD)	Document Consumer	-
	Document Recipient	-
	Document Responder	-
Multi-Patient Queries (MPQ)	Document Source	-
	Document Registry	-
Patient Administration Management (PAM)	Document Consumer	-
	Patient Demographics Consumer	Merge
	Patient Demographics Supplier	-
Patient Demographics Query (PDQ)/ Patient Demographics Query HL7 V3 (PDQV3)	Patient Encounter Consumer	-
	Patient Encounter Supplier	-
Patient Demographics Query for Mobile (PDQm)	Patient Demographics Consumer	-
	Patient Demographics Supplier	Continuation Option (PDQV3)
Patient Identifier Cross-Referencing (PIX)/ Patient Identifier Cross-Reference HL7 V3 (PIXV3)	Patient Demographics Consumer	-
	Patient Identifier Cross-Reference Consumer	-
	Patient Identity Source	-
Patient Identifier Cross-Referencing for Mobile (PIXm)	Patient Identifier Cross-Reference Manager	PIX(V3) Update Notification
	Patient Identifier Cross-Reference Consumer	-
Remove Metadata and Documents (RMD)	Patient Identity Cross-Reference Manager	-
	Document Administrator	Remote Repository Remote Registry
	Document Registry	-
Restricted Metadata Update (RMU)	Document Repository	-
	Update Initiator	-
Retrieve Form for Data Capture (RFD)	Update Responder	-
	Form Archiver	-
	Form Filler	Archive Form
Sharing Value Set (SVS)	Form Processor	-
	Value Set Consumer	HTTP Binding SOAP Binding Retrieve Multiple Value Sets
	Value Set Repository	Retrieve Multiple Value Sets
XAD-PID Change Management (XPID)	Document Registry	-
	Patient Identity Cross-Reference Manager	-

2.2 Profiles for EPD (Switzerland)

Profile	Description	Actors	Options
CH:ADR	Authorization Decision Request	Authorization Decision Consumer	-
		Authorization Decision Provider	-
CH:ATC	Audit Trail Consumption	Patient Audit Consumer	-
		Patient Audit Record Repository	-
CH:ATNA	Audit Trail and Node Authentication	Audit Record Repository	-
		Secure Node	-
		Secure Application	-
CH:CPI	Community Portal Index	Community Portal Index Consumer	-
CH:CT	Consistent Time	Time Server	Secure NTP
		Time Client	Secure NTP SNTP (Simple NTP)
CH:HPD	Healthcare Provider Directory	Provider Information Consumer	-
		Provider Information Category	Provider Information Feed Federation
		Provider Information Source	-
CH:PDQV3	Patient Demographics Query	Patient Demographics Consumer	Merge
		Patient Demographics Supplier	Continuation Option (PDQV3)
CH:PIXV3	Patient Identifier Cross-Referencing HL7 V3	Patient Identifier Cross-Reference Consumer	-
		Patient Identify Source	-
		Patient Identifier Cross-Reference Manager	PIX(V3) Update Notification
CH:PPQ	Privacy Policy Query	Policy Consumer	-
		Policy Source	-
		Policy Repository	-
CH:XPDC	Cross-Community Patient Discovery	Initiating Gateway	Asynchronous Web Services Exchange
		Responding Gateway	-
CH:XUA	Cross-Enterprise User Assertion	X-Service Provider	Subject-Role PurposeOfUse
		X-Service User	Subject-Role PurposeOfUse
		X-Assertion Provider	-

3 Profiles and Actors – Overview

Domain	Radiology		National Integration Profiles				IT Infrastructure																																			
	Profiles	XCA-1	XDS-Ib	ADR	ATC	CPI	PPQ	APPC	ATNA	BPPC	CT	DSG	DSUB	HPD	IUA	MHD	MPQ	PAM	PDO/PDOV3	PQm	PIX/PIXV3	PIXm	RFD	RMD	RMU	SVS	XCA	XCF	XCPD	XDM	XDR	XDR-I	XDS.b	XDS.IIU	XDS-SD	XDW	XPID	XUAXUA++				
Audit Record Repository																																										
Authorization Client																																										
Authorization Decision Consumer																																										
Authorization Decision Provider																																										
Authorization Server																																										
Community Portal Index Consumer																																										
Content Consumer																																										
Content Creator																																										
Content Updater																																										
Document Administrator																																										
Document Consumer																																										
Document Creator																																										
Document Metadata Publisher																																										
Document Metadata Subscriber																																										
Document Metadata Notification Broker																																										
Document Metadata Notification Recipient																																										
Document Recipient																																										
Document Registry																																										
Document Repository																																										
Document Responder																																										
Document Source																																										
Embedded Document Source/Repository																																										
Form Archiver																																										
Form Filler																																										
Form Processor																																										
Imaging Document Consumer																																										
Imaging Document Recipient																																										
Imaging Document Source																																										
Initiating Gateway																																										
Initiating Imaging Gateway																																										

4 Further Information

Vendor's Website

<https://www.ith-icoserve.com/en/products>

Links to Standards Conformance Statements for the Implementation

<https://www.ith-icoserve.com/en/products/certificates-and-standards/certificates-and-standards-details>

Links to General Information on IHE

North America: <https://www.ihe.net>
Europe <https://www.ihe-europe.net>
Japan: <https://www.ihe-j.org>

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