



**eHealth Solutions / Release VA60A / 2023-12-19 / Revision r27-g49e45a8**

# **IHE Integration Statement**

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# 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 technology for healthcare GmbH 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

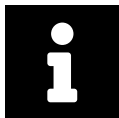
⋮ Product Name

eHealth Solutions

⋮ Version

VA60A

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	
	Document Repository	-

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	-	
Embedded Document Source/Repository		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
	X-Service User	PurposeOfUse
Cross-Enterprise Workflow (XDW)	Content Creator	Document Import Option
		XDW Cross-Community with XDR
	Content Updater	XDW Cross-Community with XDR
Content Consumer	View Option	
Document Digital Signature (DSG)	Content Consumer	Detached Signature
	Content Creator	Detached Signature
Document Metadata Subscription (DSUB)	Document Metadata Publisher	-
	Document Metadata Subscriber	-
	Document Metadata Notification Broker	Folder Subscription
		Document Metadata Publish Recipient
	Notification Puller	-
Document Metadata Notification Recipient	-	
Document Metadata Update (XDS MU)	Document Consumer	-
	Document Registry	-
	Document Administrator	-
Healthcare Provider Directory (HPD)	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	-
	Document Source	-
Multi-Patient Queries (MPQ)	Document Consumer	-
	Document Registry	-
Patient Administration Management (PAM)	Patient Demographics Consumer	Merge
	Patient Demographics Supplier	-
	Patient Encounter Consumer	-
	Patient Encounter Supplier	-
Patient Demographics Query (PDQ)/ Patient Demographics Query HL7 V3 (PDQV3)	Patient Demographics Consumer	-
	Patient Demographics Supplier	Continuation Option (PDQV3)
Patient Demographics Query for Mobile (PDQm)	Patient Demographics Consumer	-
	Patient Demographics Supplier	-
Patient Identifier Cross-Referencing (PIX)/ Patient Identifier Cross-Reference HL7 V3 (PIXV3)	Patient Identifier Cross-Reference Consumer	-
	Patient Identity Source	-
	Patient Identifier Cross-Reference Manager	PIX(V3) Update Notification
Patient Identifier Cross-Referencing for Mobile (PIXm)	Patient Identifier Cross-Reference Consumer	-
	Patient Identity Cross-Reference Manager	-
Remove Metadata and Documents (RMD)	Document Administrator	Remote Repository Remote Registry
	Document Registry	-
	Document Repository	-
Restricted Metadata Update (RMU)	Update Initiator	-
	Update Responder	-
Retrieve Form for Data Capture (RFD)	Form Archiver	-
	Form Filler	Archive Form
	Form Processor	-
Sharing Value Set (SVS)	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-I XDS-I.b	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.MU	XDS-SD	XDW	XPID	XUA/XUA++		
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																																							
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Document Repository																																							
Document Responder																																							
Document Source																																							
Embedded Document Source/Repository																																							
Form Archiver																																							
Form Filler																																							
Form Processor																																							
Imaging Document Consumer																																							
Imaging Document Recipient																																							
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Actors	Radiology		National Integration Profiles				IT Infrastructure																																	
	Profiles	XCA-I XDS-I.b	ADR	ATC	CPI	PPQ	APPC	ATNA	BPPC	CT	DSG	DSUB	HPD	IUA	MHD	MPQ	PAM	PDOJ/PDOV3	PQm	PIX/PIXV3	PIXm	RFD	RMD	RMU	SVS	XCA	XCF	XCPD	XDM	XDR	XDR-I	XDS.b	XDS.MU	XDS-SD	XDW	XPID	XUA/XUA++			
Notification Puller																																								
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Patient Identity Source																																								
Policy Consumer																																								
Policy Repository																																								
Policy Source																																								
Portable Media Creator																																								
Portable Media Importer																																								
Provider Information Consumer																																								
Provider Information Directory																																								
Provider Information Source																																								
Resource Server																																								
Responding Gateway																																								
Responding Imaging Gateway																																								
Secure Application																																								
Secure Node																																								
Structured Policy Processing Option																																								
Time Client																																								
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Update Responder																																								
User Authentication Provider																																								
Value Set Consumer																																								
Value Set Repository																																								

Actors	Domain		IT Infrastructure																																					
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	XCA-I	XDS-I.b	ADR	ATC	CPI	PPQ	APPC	ATNA	BPPC	CT	DSG	DSUB	HPD	IUA	MHD	MPO	PAM	PDOQ/PDOQ3	PDOm	PIX/PIXV3	PIXm	RFD	RMD	RMU	SVS	XCA	XCF	XCPD	XDM	XDR	XDR-I	XDS.b	XDS.MU	XDS-SD	XDW	XPID	XUA/XUA++			
X-Assertion Provider																																								
X-Service Provider																																								
X-Service User																																								

## 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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