eHealth Solutions / Release VA61K / 2026-10-13 / Revision r449-gfde47f5266

IHE Integration Statement

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SIEMENS Healthineers

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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, the product eHealth Solutions is tested periodically at IHE Connectathons to confirm the compliance with current IHE Integration Profiles.

Vendor

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Product Name

eHealth Solutions

Version

VA61K

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

Table 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

Table 1: IHE Profiles

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Table 1: IHE Profiles

Integration Profiles Implemented	Actors Implemented	Options Implemented
		Delete Metadata
	Document Consumer	On-Demand Documents
		Document Metadata Update
	Document Registry	Patient Identity Feed (HL7V2/HL7V3)
		On-Demand Documents
		Document Metadata Update
		Reference ID
	Document Repository	-
	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
		PurposeOfUse
	X-Service User	Subject-Role
		PurposeOfUse
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 Metatdata Publish Recipient
	Notification Puller	-
	Document Metadata Notification Recipient	-
Document Metadata Update (XDS MU)	Document Consumer	-
	Document Registry	-

Table 1: IHE Profiles

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Table 1: IHE Profiles

Integration Profiles Implemented	Actors Implemented	Options Implemented
	Document Administrator	-
Healthcare Provider Directory (HPD)	Provider Information Consumer	-
	Provider Information Directory	Provider Information Feed Federation
	Provider Information Source	-
Internet User Authorization (IUA)	Authorization Client	OAuth Bearer Token
		SAML Token
	Authorization Server	OAuth Bearer Token
		SAML Token
	Resource Server	OAuth Bearer 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-Referencing 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	-

Table 1: IHE Profiles

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Table 1: IHE Profiles

Integration Profiles Implemented	Actors Implemented	Options Implemented
Retrieve Form for Data Capture (RFD)	Form Archiver	-
	Form Filler	Archive Form
	Form Processor	-
Value Set Repository (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	-

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3 Actors and Profiles

Profiles are managed by different IHE Domains. The following tables show the profiles (and their acronyms) covered by eHealth Solutions per domain.

Table 2: Radiology Profiles

Acronym	Profile
XCA-I	Cross-Community Access for Imaging
XDS-I.b	Cross-Enterprise Document Sharing for Imaging

Table 3: National Integration Profiles

Acronym	Profile
ADR	Authorization Decision Request
ATC	Audit Trail Consumption
PPQ	Privacy Policy Query

Table 4: IT Infrastructure Profiles

Acronym	Profile
APPC	Advanced Patient Privacy Consents
ATNA	Audit Trail and Node Authentication
BPPC	Basic Patient Privacy Consents
CT	Consistent Time
DSG	Document Digital Signature
DSUB	Document Metadata Subscription
HPD	Healthcare Provider Directory
IUA	Internet User Authorization
MHD	Mobile Access to Health Documents
MPQ	Multi-Patient Queries
PAM	Patient Administration Management
PDQ/PDQV3	Patient Demographics Query/Patient Demographics Query HL7 V3
PDQm	Patient Demographics Query for Mobile
PIX/PIXV3	Patient Identifier Cross-Referencing/Patient Identifier Cross-Referencing HL7 V3
PIXm	Patient Identifier Cross-Referencing for Mobile (PIXm)
RFD	Retrieve Form for Data Capture
RMD	Remove Metadata and Documents
RMU	Restricted Metadata Update (RMU)
SVS	Value Set Repository
XCA	Cross-Community Access
XCF	Cross Community Fetch
XCPD	Cross-Community Patient Discovery
XDM	Cross-enterprise Document Media Interchange
XDR	Cross-enterprise Document Reliable Interchange
XDR-I	Cross-Enterprise Reliable Document Interchange for Imaging
XDS.b	Cross-Enterprise Document Sharing

Table 4: IT Infrastructure Profiles

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Table 4: IT Infrastructure Profiles

Acronym	Profile
XDS MU	Document Metadata Update
XDS-SD	Cross-enterprise Sharing of Scanned Documents
XPID	
XUA/XUA++	Cross-Enterprise User Assertion

3.1 Actors and Profiles in Radiology

Table 5: Actors and Profiles in Radiology - Overview

Actors / Profiles	XCA-I	XDS-I.b
Imaging Document Consumer	✓	✓
Imaging Document Source	✓	✓
Initiating Imaging Gateway	✓	
Responding Imaging Gateway	✓	

3.2 Actors and Profiles in National Integration

Table 6: Actors and Profiles in National Integration - Overview

Actors / Profiles	ADR	ATC	PPQ
Authorization Decision Consumer	✓		
Authorization Decision Provider	✓		
Patient Audit Consumer		✓	
Patient Audit Record Repository		✓	
Policy Consumer			✓
Policy Repository			✓
Policy Source			✓

3.3 Actors and Profiles in IT Infrastructure

Note that the information is split in two parts:

- Profiles A - P, see Table 7
- Profiles R - T, see Table 8

Table 7: Actors and Profiles in IT Infrastructure - Overview (1/2)

Actors / Profiles	APPC	ATNA	BPPC	CT	DSG	DSUB	HPD	IUA	MHD	MPQ	PAM	PDQ/PDQV3	PDQm	PIX/PIXV3	PIXm
Audit Record Repository		✓													
Authorization Client								✓							
Authorization Server								✓							

Table 7: Actors and Profiles in IT Infrastructure - Overview (1/2)

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Table 7: Actors and Profiles in IT Infrastructure - Overview (1/2)

Actors / Profiles	APPC	ATNA	BPPC	CT	DSG	DSUB	HPD	IUA	MHD	MPQ	PAM	PDQ/PDQV3	PDQm	PIX/PIXV3	PIXm
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 Recipient															
Imaging Document Source															
Initiating Gateway															
Notification Puller						✓									
On-Demand Document Source															
Patient Demographics Consumer											✓	✓	✓		
Patient Demographics Supplier											✓	✓	✓		
Patient Encounter Consumer											✓				
Patient Encounter Supplier											✓				
Patient Identifier Cross-Reference Consumer														✓	✓
Patient Identifier Cross-Reference Manager														✓	✓
Patient Identity Source														✓	
Portable Media Creator															
Portable Media Importer															
Provider Information Consumer							✓								
Provider Information Directory							✓								
Provider Information Source							✓								
Resource Server								✓							
Responding Gateway															
Secure Application		✓													
Secure Node		✓													
Structured Policy Processing Option	✓														
Time Client				✓											
Time Server				✓											
Update Initiator															
Update Responder															

Table 7: Actors and Profiles in IT Infrastructure - Overview (1/2)

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Table 7: Actors and Profiles in IT Infrastructure - Overview (1/2)

Actors / Profiles	APPC	ATNA	BPPC	CT	DSG	DSUB	HPD	IUA	MHD	MPQ	PAM	PDQ/PDQV3	PDQm	PIX/PIXV3	PIXm
User Authentication Provider															
Value Set Consumer															
Value Set Repository															
X-Assertion Provider															
X-Service Provider															
X-Service User															

Table 8: Actors and Profiles in IT Infrastructure - Overview (2/2)

Actors / Profiles	RFD	RMD	RMU	SVS	XCA	XCF	XCPD	XDM	XDR	XDR-I	XDS.b	XDS MU	XDS-SD	XPID	XUA/XUA++
Audit Record Repository															
Authorization Client															
Authorization Server															
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 Recipient										✓					
Imaging Document Source										✓					
Initiating Gateway					✓	✓	✓								
Notification Puller															
On-Demand Document Source											✓				
Patient Demographics Consumer															
Patient Demographics Supplier															
Patient Encounter Consumer															
Patient Encounter Supplier															

Table 8: Actors and Profiles in IT Infrastructure - Overview (2/2)

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Table 8: Actors and Profiles in IT Infrastructure - Overview (2/2)

Actors / Profiles	RFD	RMD	RMU	SVS	XCA	XCF	XCPD	XDM	XDR	XDR-I	XDS.b	XDS MU	XDS-SD	XPID	XUA/XUA++
Patient Identifier Cross-Reference Consumer															
Patient Identifier Cross-Reference Manager														✓	
Patient Identity Source											✓				
Portable Media Creator								✓							
Portable Media Importer								✓							
Provider Information Consumer															
Provider Information Directory															
Provider Information Source															
Resource Server															
Responding Gateway					✓	✓	✓								
Secure Application															
Secure Node															
Structured Policy Processing Option															
Time Client															
Time Server															
Update Initiator			✓												
Update Responder			✓												
User Authentication Provider															✓
Value Set Consumer				✓											
Value Set Repository				✓											
X-Assertion Provider															✓
X-Service Provider															✓
X-Service User															✓

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4 Further Information

Please find further information on the following topics online:

Vendor's Website

ITH icoserve technology for healthcare GmbH

Conformance Statements for eHealth Solutions

HL7 and DICOM Conformance Statements

General Information on IHE

IHE North America
IHE Europe
IHE Japan

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