Release VA40A / 2024-06-19 / Revision 9763

syngo.share

IHE Integration Statement

SIEMENS
Healthineers

Contents

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 different systems from 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 *syngo*.share at IHE Connectathons to confirm the compliance with current IHE Integration Profiles.

- **Vendor**
  ITH icoserve technology for healthcare GmbH

- **Product name**
  syngo.share

- **Version**
  VA40A

This product implements all transactions required in the IHE Technical Framework to support the IHE integration profiles, actors and options listed on the following pages.

> **i Note**
> Profiles are tested regularly at EU and/or US Connectathons.

2 Profiles

Table 1: Profiles

Integration profiles implemented	Actors implemented	Options implemented	syngo.share core	syngo.share import	syngo.share webview
Access to Radiology Information (ARI)	Image Manager/Archive	-	✔		
	Report Repository	-	✔		
Audit Trail and Node Authentication (ATNA)	Audit Record Repository	-	✔		
	Secure Application	Radiology Audit Trail	✔		
	Secure Node	Radiology Audit Trail	✔		
Cardiology Evidence Documents (ED-CARD)	Image Manager/Archive	-	✔		
Consistent Presentation of Images (CPI)	Image Display	-			✔
	Image Manager/Archive	-	✔		
	Print Composer	-	✔		
Consistent Time (CT)	Time Client	Secure NTP	✔		
	Time Server	Secure NTP	✔		
Cross-Enterprise Document Sharing (XDS.b)	Document Administrator	-	✔		
	Document Consumer	-			✔
	Document Repository	-	✔		
	Document Source	Asynchronous Web Services Exchange	✔		
		Document Replacement	✔		
	Embedded Document Source/Repository	Document Replacement	✔		
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	✔		
Cross-Enterprise User Assertion (XUA)	X-Service User	Subject-Role	✔		✔
		PurposeOfUse	✔		✔
Evidence Documents (ED)	Image Manager/Archive	-	✔		
Imaging Object Change Management (IOCM)	Change Requestor	-	✔		
	Image Manager/Archive	-	✔		
Import Reconciliation Workflow (IRWF.b)	Image Manager/Archive[1]	-	✔		
	Importer	-		✔	
Key Image Note (KIN)	Image Display	-			✔
	Image Manager/Archive	-	✔		
Mammography Image (MAMMO)	Image Manager/Archive	-	✔		

Table 1: Profiles…

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[1]No connectathon test possible due to insufficient number of test partners.

Integration profiles implemented	Actors implemented	Options implemented	*syngo.share core*	*syngo.share import*	*syngo.share webview*
Nuclear Medicine Image (NMI)	Image Manager/Archive	-	✔		
Patient Administration Management (PAM)	Patient Demographics Consumer	Merge	✔		
	Patient Encounter Consumer	-	✔		
Patient Demographics Query (PDQ)/Patient Demographics Query HL7 V3 (PDQV3)	Patient Demographics Supplier	-	✔		
Patient Identifier Cross-Referencing (PIX) / Patient Identifier Cross-Referencing HL7 V3 (PIXV3)	Patient Identifier Cross-Reference Consumer	-			✔
	Patient Identity Source	-	✔		
Patient Information Reconciliation (PIR)	Image Manager/Archive	-	✔		
	Performed Procedure Step Manager	-	✔		
Portable Data for Imaging (PDI)	Portable Media Creator	DVD Media			✔
		USB Media for PDI			✔
	Portable Media Importer	DVD Media		✔	
		USB Media for PDI		✔	
	Print Composer	-	✔		
	Report Reader	-			✔
Radiation Exposure Management (REM)[2]	Image Manager/Archive	-	✔		
Scheduled Workflow.b (SWF.b)	Image Display	-			✔
	Image Manager/Archive	-	✔		
	Performed Procedure Step Manager	-	✔		
Simple Image and Numeric Report (SINR)	Report Repository	-	✔		

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[2] Profile implemented. Connectathon tests planned.

3 Actors and profiles

Profiles are managed by different IHE Domains. The following tables show the profiles (and their acronyms) implemented and tested by ITH icoserve technology for healthcare GmbH per domain.

Table 2: Profiles in radiology (RAD)

Acronym	Profile
ARI	Access to Radiology Information
CPI	Consistent Presentation of Images
ED	Evidence Documents
IOCM	Imaging Object Change Management
IRWF.b	Import Reconciliation Workflow
KIN	Key Image Note
MAMMO	Mammography Image
NMI	Nuclear Medicine Image
PDI	Portable Data for Imaging
PIR	Patient Information Reconciliation
REM	Radiation Exposure Management
SINR	Simple Image and Numeric Report
SWF.b	Scheduled Workflow.b
XDS-I.b	Cross-Enterprise Document Sharing for Imaging

Table 3: Profiles in cardiology (CARD)

Acronym	Profile
ED-CARD	Cardiology Evidence Documents

Table 4: Profiles in IT infrastructure (ITI)

Acronym	Profile
ATNA	Audit Trail and Node Authentication
CT	Consistent Time
PAM	Patient Administration Management
PDQm	Patient Demographics Query for Mobile
PDQ/PDQV3	Patient Demographics Query/Patient Demographics Query HL7 V3
PIX/PIXV3	Patient Identifier Cross-Referencing/Patient Identifier Cross-Referencing HL7 V3
XDS.b	Cross-Enterprise Document Sharing
XUA	Cross-Enterprise User Assertion

3.1 Overview of actors and profiles in *syngo*.share core

Table 5: Actors and profiles *syngo*.share core

Actors/Profiles	ARI	CPI	ED	IOCM	IRWF.b	KIN	MAMMO	NMI	PDI	PIR	REM	SINR	SWF.b	XDS-I.b	ED-CARD	ATNA	CT	PAM	PDQ/PDQV3	PIX/PIXV3	XDS.b	XUA
Audit Record Repository																✔						
Change Requestor				✔																		
Document Administrator																					✔	
Document Repository																					✔	
Document Source																					✔	
Embedded Document Source/Repository																					✔	
Image Manager/Archive	✔	✔	✔	✔	✔	✔	✔	✔		✔	✔		✔		✔							
Imaging Document Source														✔								
Patient Demographics Consumer																		✔				
Patient Demographics Supplier																			✔			
Patient Encounter Consumer																		✔	✔			
Patient Identity Source																				✔		
Performed Procedure Step Manager										✔			✔									
Print Composer		✔							✔													
Report Repository	✔	✔										✔										
Secure Application																✔						
Secure Node																✔						
Time Client																	✔					
Time Server																	✔					
X-Service User																						✔

3.2 Overview of actors and profiles in *syngo*.share import

Table 6: Actors and profiles *syngo*.share import

Actors/Profiles	IRWF.b	PDI
Importer	✔	
Portable Media Importer		✔
Report Reader		✔

3.3 Overview of actors and profiles in *syngo*.share webview

Table 7: Actors and profiles *syngo*.share webview

Actors/Profiles	CPI	KIN	PDI	SWF.b	XDS-I.b	PIX/PIXV3	XDS.b	XUA
Document Consumer							✔	
Image Display	✔	✔		✔				
Imaging Document Consumer					✔			
Patient Identifier Cross-Reference Consumer							✔	
Portable Media Creator			✔					
X-Service User								✔

4 Further information

Please find further information on the following topics online:

Vendor's website

ITH icoserve technology for healthcare GmbH ↗

Conformance Statements of the product line *syngo*.share (DICOM, HL7)

HL7 and DICOM Conformance Statements ↗

General information on IHE

IHE North America ↗
IHE Europe ↗
IHE Japan ↗