



syngo.share / Release VA31C / 2022-12-13 / Revision 7386

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 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

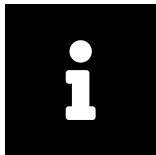
⋮ Product Name

syngo.share

⋮ Version

VA31C

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.



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 view	syngo.share webview	
Access to Radiology Information (ARI)	Image Manager/Archive	-	✓				
	Image Display	-			✓		
	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	-	✓				

Table 1: Profiles...

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Integration Profiles Implemented	Actors Implemented	Options Implemented	syngo.share core	syngo.share import	syngo.share view	syngo.share webview
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	-	✓			
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)	Image Display	-			✓	
	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	-	✓			

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

²Profile 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 per domain:

- Profiles in Radiology (RAD)
- Profile in Cardiology (CARD)
- Profiles in IT Infrastructure (ITI)

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: Profile 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 *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/PIX3	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 *syngo.share import*

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

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

3.3 Overview of Actors and Profiles *syngo.share view*

Table 7: Actors and Profiles syngo.share view

Actors / Profiles	ARI	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									✓

3.4 Overview of Actors and Profiles syngo.share webview

Table 8: Actors and Profiles syngo.share webview

Actors / Profiles	PDI	XDS-I.b	PIX/PIXV3	XDS.b	XUA
Document Consumer				✓	
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](#)

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