

## IHE International Conformity Assessment Program - Test Report



**IHE-ATL-001**  
**IHE International Conformity**  
**Assessment Program**  
**IHE-CAS-2: 2015**

**April, 22<sup>nd</sup> 2015**



**Forcare B.V.**  
**Forcare XDS**  
**Suite**  
**3.4**

The product and version documented in this report was tested by an IHE International-authorized testing laboratory in accordance with ISO/IEC 17025 requirements and the IHE Conformity Assessment Scheme (IHE-CAS) to demonstrate conformance with the IHE International profiles and actors identified in this report.

It provides a third-party conformity assessment of the product's adherence to one or more IHE Profiles. It demonstrates that the product is capable of assisting healthcare providers and hospitals in meeting requirements for clinical integration.

Testing was conducted as specified in the IHE-CAS-1 and IHE-CAS-2 documents. Testing consisted of observed demonstrations in a controlled location under normal operating conditions and using approved test tools. Test efforts also included review of test tool results, self-attestation materials and, where applicable, interoperability testing files and audit logs. Testing was constrained to the use of the IHE International technical frameworks specified in IHE-CAS-2 at the time of testing. Any exceptions to these requirements are noted within this test report, when applicable.

### About KEREVAL Health Lab and IHE-Europe

KEREVAL Health Lab is authorized by IHE International (Authorization #:IHE-ATL-001) in conjunction with IHE-Europe, an IHE Deployment Committee, to perform testing of health information technology to IHE International profiles and actors, as specified in the IHE technical frameworks.

For comments or suggestions on this Conformity Assessment program, please contact IHE-Europe: [info@deployment.ihe.net](mailto:info@deployment.ihe.net)

## Profiles/Actors Tested for Conformity Assessment

The IHE Authorized Testing Laboratory determined that

**Forcare XDS Suite / 3.4** provided for conformity assessment by

**Forcare Holding B.V.** located at Laan van Vollenhove 2931, 3706AK ZEIST,  
NETHERLANDS

successfully demonstrated compliance to the selected profile/actor pairs for the IHE International Conformity Assessment Program per IHE-CAS-1 **2015** and IHE-CAS-2 **2015**.

The System Under Test was made available for test on **April, 22<sup>nd</sup> 2015**.

Tests were executed between **April, 22<sup>nd</sup> 2015** and **April, 24<sup>th</sup> 2015** at LUXEXPO, 10 circuit de la Foire Internationale, L-1347 Luxembourg-Kirchberg, LUXEMBOURG. Additional testing was conducting on-line on **May, 27<sup>th</sup> 2015**.

IHE Profile	Actor and Options	Test Result
<b>IT –Infrastructure</b>		
IHE-CT <b>Consistent Time</b> enables system clocks and time stamps of computers in a network to be synchronized (median error less than 1 second).	Time Client: - No Option	Pass
IHE-ATNA <b>Audit Trail and Node Authentication</b> establishes the characteristics of a Basic Secure Node.	Secure Application: - No Option	Pass
IHE-XDS.b <b>Cross-Enterprise Document Sharing</b> enables a number of healthcare delivery organization to share clinical records in the form of documents	Document Registry: - No option	Pass
	Document Consumer: -No option	Pass
	Document Repository: - No option	Pass
IHE-PDQ <b>Patient Demographics Query</b> provides ways to query a patient information server for a list of patients, based on user-defined criteria.	Patient Demographics Consumer: - No option	Pass

<p>IHE-PDQV3</p> <p><b>Patient Demographics Query HL7V3</b> is identical to Patient Demographics Query but based on HL7V3 messages.</p>	<p>Patient Demographics Consumer:</p> <p>- <i>No option</i></p>	<p>Pass</p>
<p>IHE-PIXV3</p> <p><b>Patient Identifier Cross-Referencing HL7V3</b> supports the cross-referencing of patient identifiers from multiple Patient Identifier Domains</p>	<p>Patient Identifier Cross-Reference consumer</p> <p>- <i>No option</i></p>	<p>Pass</p>

## Additional Software Required for Testing

The following additional software/options were required by **Forcare B.V. Forcare XDS Registry 3.4** to assist in demonstrating compliance with the associated conformance requirements by providing the specified functionality:

Software Product and Developer	Associated Profiles/Actors	Functionality Provided
None	-	-

## Report Summary

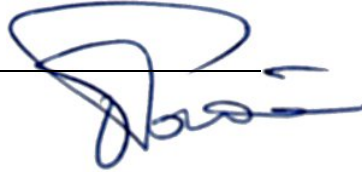
**KEREVAL Health Lab, an IHE International Authorized Testing Laboratory** has reviewed and confirms that **Forcare B.V. Forcare XDS Registry 3.4** successfully passed the test scripts identified in this report through attestation, observed demonstration, review of audit logs, and/or interoperability file validations. Testing was conducted using IHE-CAS-2:2015 testing processes based on ISO/IEC 17025. All test results documented in this report including the exceptions mentioned, are considered formal test results. This test results summary is authorized by:

Eric POISEAU

Test Lab Authorized Representative

November 16th 2015

Signature and Date



KEREVAL Health Lab Manager

Function/Title

A detailed test report is kept by the IHE Authorized Testing Laboratory and IHE International Conformity Assessment Committee and available upon requests to these entities.

Please visit [http://www.ihe.net/Conformity\\_Assessment.aspx](http://www.ihe.net/Conformity_Assessment.aspx) for the most current information about this IHE Conformity Assessment program.

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### About KEREVAL Health Lab

KEREVAL Health Lab offers third-party testing of health IT products. KEREVAL Health Lab is an ISO/IEC 17025:2005 accredited organization. Visit <http://www.kereval.com> for more information.

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## Appendix A – Testing Comments

This Appendix documents or references any exceptions identified during testing.

IHE Profile	Actor and Required Options	Test Cases Comments	Test Tools
<b>IT-Infrastructure / rev 11.0</b>			
IHE-CT	Time Client: - <i>No Option</i>	No exception	None
IHE-ATNA	Secure Application: - <i>No option</i>	ATNA - Audit message check (CATS2015)  <i>Validation of the audit messages was performed outside the Gazelle ATNA tools because the system issues message in conformance with RFC3881 and not the DICOM schema</i>	Gazelle ATNA Tools (4.7.12) Syslog Collector (2.1)
IHE-XDS-b	Document Registry: - <i>No option</i>	XDS.b Stored Query Testing (CATS2015)  <i>Successfully re-run on 05/27/2015 after fixing the configuration of XDS Tools 2</i>	XDS Tools 2 (200)
	Document Consumer: - <i>No option</i>	No exception	XDS Tools 2 (200)
	Document Repository: - <i>No option</i>	No exception	XDS Tools 2 (200)

IHE-PDQ	Patient Demographics Consumer: <i>- No option</i>	No exception	Patient Manager (8.0.1)
IHE-PDQv3	Patient Demographics Consumer: <i>- No option</i>	No exception	Patient Manager (8.0.1)
IHE-PIXV3	Patient Identifier Cross-Reference Consumer: <i>- No option</i>	No exception	Patient Manager (8.0.1)

Additional Software Required for Testing with Exceptions:

Software Product and Developer	Associated Profiles/Actors	Exception identified during testing
EVS Client (4.6.0) – IHE-Europe	ATNA	Forcare B.V.'s system is implementing the RFC3881 schema whereas the ATNA Questionnaire uses the DICOM schema. Using the EVS Client allowed the laboratory to assess that the messages issued by the system are conform.