# Technical Publications

Document Number: DOC1717959

Revision: 3

## *XDS Registry*

### Version 4.0

# Integrating the Healthcare Enterprise (IHE) Integration Statement

# INTRODUCTION

## OVERVIEW

This IHE Integration Statement describes the intended conformance of this GE product with the IHE Technical Framework. The IHE Technical Framework defines a subset of the functional components of the healthcare enterprise, called IHE Actors, and specifies their interactions in terms of a set of coordinated, standards-based transactions. These transactions are organized into functional units called Integration Profiles that highlight their capacity to address specific clinical needs.

Users familiar with these concepts can use Integration Statements as an aid to determine what level of integration this product supports with other systems and what clinical and operational benefits such integration might provide.

Other GE Integration Statements as well as further information on IHE may be found on Internet at: **ge.com/ihe**

## IMPORTANT REMARKS

The use of these IHE Integration Statements, **by itself, it is not sufficient to ensure that inter-operation will be successful**. The **user** needs to proceed with caution and ensure that a qualified systems' integration (such as that provided by GE's IT Professional Services) address at least four issues:

- **Integration** - The integration of any system into an integrated department or enterprise requires an analysis of the applications requirements. The design of a solution that integrates GE systems with non–GE systems is the **user's** responsibility and should not be underestimated. Special care should be exercised in defining the expected workflow, the special conditions, and the clinical practice to be supported to ensure a safe and effective operation.

- **Validation** - Testing the complete range of possible interactions between any GE system and non–GE system, before the integration is declared operational, should not be overlooked. Therefore, the **user** should ensure that any non–GE provider accepts full responsibility for all validation required for their connection with GE systems. This includes the accuracy of the data once it has crossed the interface and the stability of the data for the intended applications. Such a validation is required before any clinical use (diagnosis and/or treatment) is performed.

- **Future Evolution** - GE understands that the IHE Technical Framework and the underlying communication standards will evolve to meet the user's growing requirements. GE is actively involved in the development of the IHE Technical Framework and the underlying standards. Such evolutions may require changes to already installed systems. **In addition, GE reserves the right to discontinue or make changes to product features including those reflected by this IHE Integration Statement**. The **user** should ensure that any non–GE system that connects with GE systems also plans for the future evolution of IHE. Failure to do so will likely result in the loss of function and/or connectivity as the IHE Integration profiles evolve and GE Products are enhanced to support these changes.

# IHE INTEGRATION STATEMENT

| General Electric - IHE Integration Statement | | Date |
|---|---|---|
| | | 13 Nov 2017 |
| **Vendor** | **Product Name** | **Version** |
| GE Healthcare | XDS Registry | V4.0 |

This product implements all transactions required in the IHE Technical Framework to support the IHE Integration Profiles, Actors and Options listed below:

| Integration Profiles Implemented | Actors Implemented | Options Implemented |
|---|---|---|
| Audit Trail and Node Authentication (ATNA) | Secure Application | None |
| Consistent Time (CT) | Time Client | None |
| Cross Enterprise Document Sharing (XDS.b) | Document Registry | Patient Identity Feed (HL7 V2) Patient Identity Feed (HL7 V3) Reference ID Asynchronous Web Services Exchange Document Metadata Update On-Demand Documents |
| Cross Enterprise Document Sharing for Imaging (XDS-I.b) | Document Registry | None |
| XAD-PID Change Management (XPID) | Document Registry | None |
| Multi-Patient Queries (MPQ) | Document Registry | None |
| Cross Community Access (XCA) | Initiating Gateway | XDS Affinity Domain Asynchronous Web Services Exchange |
| | Responding Gateway | None |
| Cross Community Patient Discovery (XCPD) | Initiating Gateway | Asynchronous Web Services Exchange |
| Cross Community Fetch (XCF) | Initiating Gateway | Asynchronous Web Services Exchange |
| | Responding Gateway | None |
| Cross Enterprise User Assertion (XUA) | X-Service Provider | PurposeOfUse Subject-Role |
| | X-Service User | PurposeOfUse Subject-role |
| Document Metadata Subscription (DSUB) | Document Metadata Notification Broker | Document Metadata Publish Recipient |
| | Document Metadata Subscriber | None |
| | Document Metadata Notification Recipient | None |

**Internet address for GE Healthcare IHE information:**  ge.com/ihe

| **Links to Standards Conformance Statements for the Implementation** | |
|---|---|
| **HL7** | Not Applicable |
| **DICOM** | Not Applicable |
| **Links to general information on IHE** | |
| IHE International: www.ihe.net | |

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