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GE Healthcare

Technical Publications

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Centricity Cardiology CA1000 2.0

Integrating the Healthcare Enterprise (IHE) Integration Statement

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1. INTRODUCTION

1.1 OVERVIEW

This IHE Integration Statement describes the intended conformance of this product version with the IHE Technical Framework. It identifies the specific IHE capabilities this product is designed to support in terms of the key concepts of IHE: Actors and Integration Profiles (described in Volume I, section 2 of the Technical Framework).

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.

IHE provides a process for vendors to test their implementation of IHE Actors and Integration Profiles. The IHE testing process, culminating in a multi-party interactive testing event called the Connect-a-thon, provides vendors with valuable feedback and provides a baseline indication of the conformance of their implementations. The process is not, however, intended to independently evaluate, or ensure, product compliance.

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

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. It defines this body of transactions in progressively greater depth. These transactions are organized into functional units called Integration Profiles that highlight their capacity to address specific clinical needs.

This IHE Integration Statement provides a high-level view of the integration capabilities of this GE Product. Additional details may be found in the standard conformance statements corresponding to the transactions supported (e.g. DICOM Conformance Statements). GE DICOM Conformance Statements are available on internet at: ge.com/dicom

1.2 IMPORTANT REMARKS

The use of these IHE Integration Statements, in conjunction with the IHE Technical Framework, is intended to facilitate communication with GE equipment and IT systems. However, **by itself, it is not sufficient to ensure that inter-operation will be successful.** The **user (or user's agent)** needs to proceed with caution and address at least four issues:

- **Integration** - The integration of any device or 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. The **user** is strongly advised to ensure that such an integration analysis is correctly performed. 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 between the GE system and the non-GE device 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. It applies when images and other clinical data acquired on GE equipment are processed/displayed on a non-GE device, as well as when images and other clinical data are acquired on non-GE equipment is processed/displayed on a GE console or workstation.

- **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. IHE will incorporate new features and technologies and GE may follow the evolution of IHE. Evolution of the IHE Integration Profiles may require changes to already installed systems. **In addition, GE reserves the right to discontinue or make changes to the support of communications features (on its products) reflected on by these IHE Integration Statements.** The user should ensure that any non-GE provider, which connects with GE devices or systems, also plans for the future evolution of the 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.
- **Interaction** - It is the sole responsibility of the **non-GE provider** to ensure that communication with the interfaced equipment does not cause degradation of GE system or equipment performance and/or function.

2. IHE INTEGRATION STATEMENT

IHE Integration Statement		Date	6 September 2007
Vendor	Product Names	Version	
GE Healthcare	Centricity Cardiology CA1000	2.0	
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	
Consistent Time	Time Client	none	
Scheduled Workflow	Image Display	none	
	Evidence Creator	none	
	Print Composer	none	
Consistent Presentation of Images	Image Display	none	
	Evidence Creator	none	
Key Image Notes	Image Display	none	
	Evidence Creator	none	
Access to Radiology Information	Image Display	none	
	Report Reader	none	
Simple Image and Numeric Report	Report Reader	none	
Evidence Documents	Image Display	Cath Evidence	
		Echo Evidence	
	Evidence Creator	Cath Evidence	
		Echo Evidence	
Cardiac Catheterization Workflow	Image Display	none	
	Evidence Creator	none	
Echocardiography Workflow	Image Display	Stress Echo	
	Evidence Creator	none	
Portable Data for Imaging	Portable Media Creator	none	
	Display	none	
	Image Display	none	
	Report Reader	none	
Retrieve Information For Display	Display	none	
Retrieve ECG for Display	Display	Retrieve Specific Info For Display	
		Retrieve ECG list	
Internet address for GE Healthcare IHE information: http://www.ge.com/ihe			
Links to Standards Conformance Statements for the Implementation			

HL7	Not Applicable	
DICOM	http://www.ge.com/dicom	
Links to general information on IHE		
In North America: http://www.ihe.net	In Europe: www.ihe-europe.org	In Japan: http://www.jira-net.or.jp/ihe-j

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