

Integrating the Healthcare Enterprise



IHE Integration Statement



The IVD Software Specialists

Issued by:

Systemlab Technologies S.A.*

Can Malé s/n,
Lliçà d'Amunt · Barcelona · 08186
Spain
Tel.: +34 93 8609001
Fax: +34 93 8609019
Web: www.systemlabsw.com

(*) former NTE S.A.

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Revision Number	Date	Reasons for Change
1.0	2009-04-10	New Document
1.1	2009-11-06	Updated by adding more profiles
1.2	2010-01-13	The company changed its name from NTE to Systelab
1.3	2010-04-09	After 2010 Connectathon

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1. Introduction

1.1. IHE

Integrating the Healthcare Enterprise (IHE) is an initiative by medical specialists, administrators and IT professionals to improve the way healthcare computer systems share information. The initiative:

- Promotes coordinated and consistent use of established communications standards, such as HL7 and DICOM, to address specific clinical needs and support optimal patient care.
- Stimulates the integration of clinical systems that support modern healthcare institutions.

Systelab actively contributes to IHE in driving the development of effective and easy-to-integrate solutions.

1.2. IHE Technical Framework

The IHE Technical Framework identifies a subset of the functional components of the healthcare enterprise and specifies their interactions in terms of a set of coordinated transactions. The actors and transactions described in the IHE Technical Framework are abstractions of the real world healthcare information system environment.

While some of the transactions are traditionally performed by specific product categories (e.g. LIS, HIS, RIS, PACS, or modalities), the IHE Technical Framework intentionally avoids associating functions or actors with such product categories. For each actor, the IHE Technical Framework defines only those functions associated with integrating information systems. The IHE definition of an actor should therefore not be taken as the complete definition of any product that might implement it, nor should the framework itself be taken as the complete definition of healthcare information system architecture. For further investigations, additional information can be found in the IHE Technical Framework.

1.3. What is an IHE Integration Statement?

IHE Integration Statements are documents prepared and published by vendors to describe the intended conformance of their products with the IHE Technical Framework. They identify the specific IHE capabilities a given 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 IHE Technical Framework), and options Systelab has chosen for implementing in this product.

This IHE Integration Statement provides the reader with a high-level view of supported IHE integration profiles. Users familiar with these concepts can use Integration Statements as an aid to determine what level of integration a vendor asserts a product supports with complementary systems and what clinical and operational benefits such integration might provide. Integration Statements are intended to be used in conjunction with statements of conformance to specific standards (e.g. HL7, DICOM, W3C, etc.). This document helps the reader to investigate whether and to what extent interoperability with other products might be supported.

1.4. Systelab at IHE Connectathon

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 **Connectathon**, 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. In publishing the results of the Connectathon, and facilitating access to vendors' IHE Integration Statements, IHE and its sponsoring organizations are in no way attesting to the accuracy or validity of any vendor's IHE Integration Statements or any other claims by vendors regarding their products.

Systelab has participated successfully in following IHE Europe Connectathon events, achieving the compliance of all profiles applied:

- **2008** (Oxford, United Kingdom)
- **2009** (Vienna, Austria)
- **2010** (Bordeaux, France)

The IHE Integration Statement in the first page specifies the specific IHE Actors and corresponding IHE Integration Profiles that Synapse product version implements. Such IHE Integration Statements are intended for Systelab customers to know precisely the IHE Integration capabilities currently offered by Synapse.

1.5. Note to the Reader

Our role in this IHE statement demonstrates our ability to integrate our Actors and Profiles into a multivendor interactive environment showcasing the value to conformance and implementation in supporting this IHE Technical Framework. This IHE Integration Statement by itself does not guarantee successful integration and interoperability of the Systelab products with any other Non Systelab products. Systelab products have been implemented and tested to assure that the actual integration of our products match our IHE Integration Statements. The user (or user's agent) should be aware of the following issues:

Interoperability

Interoperability refers to the ability of application functions, distributed over two or more systems, to work successfully together. It is the user's responsibility to analyze thoroughly the application requirements and to specify a solution that integrates Systelab software with non-Systelab software.

Validation

Systelab software has been carefully tested to assure that the actual implementation of the IHE Integration Profiles corresponds with this Integration Statement.

Where Systelab software is linked to non-Systelab software or equipment, the first step is to compare the relevant Integration Statement. If the Integration Statement indicate that successful information exchange should be possible, additional validation tests will be necessary to ensure the functionality, performance, accuracy and stability of related data. It is the responsibility of the user (or user's agent) to specify the appropriate test suite and to carry out the additional validation tests.

New versions of the IHE Technical Framework

The IHE Technical Framework will evolve in future to meet the user's growing requirements and to incorporate new features and technologies. Systelab is actively involved in this evolution and plans to adapt its equipment to future versions of the IHE Technical Framework. In order to do so, Systelab reserves the right to make changes to its products or to discontinue its delivery.

The user should ensure that any non-Systelab provider linking to Systelab software also adapts to future versions of the IHE Technical Framework. If not, the incorporation of IHE enhancements into Systelab software may lead to loss of connectivity (in case of networking).

1.6. Acronyms and Abbreviations

The following acronyms and abbreviations are used in the document.

- IHE Integrating the Healthcare Enterprise
- HIS Hospital Information System
- ACTOR An entity within a use case that can perform an action (a role the given system performs)
- PROFILE An integration function

IHE Integration Statements			
Vendor	Product Name	Version	Date
Systemlab Technologies, S.A.	Synapse Link	1.20	April 19, 2010
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	
Laboratory Point of Care Testing	Point of Care Data Manager		
Laboratory Point of Care Testing	Point of Care Result Generator		
Patient Administration Management	Patient Demographics Consumer	Merge	
Patient Administration Management	Patient Encounter Consumer		
Patient Demographics Query	Patient Demographics Supplier		
Internet address for vendor's IHE information: www.systemlabsw.com			
Links to general information on IHE			
In North America: www.rsna.org/IHE	In Europe: www.ihe-europe.org	In Japan: www.jira-net.or.jp/ihe-j	