1 Overview

This document describes the conformance of EvoView PACS, produced by U.M.G. Inc, Harrison, NY USA, to the Health Level Seven (HL7) standard and includes an IHE (Integrating the Healthcare Enterprise) integration statement.

EvoView PACS is a self-contained networked computer system used for archiving diagnostic medical images. EvoView PACS allows an external system to send images to it for permanent storage, to retrieve information about such images, and to retrieve the images themselves.

2 Introduction

2.1 Intended audience

This conformance statement is intended for:

- System integrators of medical equipment who are involved in the integration of EvoView PACS with complementary products, e. g., PACS or modalities.
- Software designers implementing HL7 interfaces.

It is assumed that the reader has a working knowledge of the HL7 standard. Experience and familiarity with HL7 conformance statements are helpful but not required.

2.2 Remarks

It is assumed that the reader is familiar with the HL7 standard and IHE integration profiles.

If another device matches this conformance statement on the basis of its conformance statement, the devices may be compatible, although this can not be guaranteed.

The comparison of conformance statements is a step to determining interoperability, but other steps are also required including:

- Analyzing interoperability requirements of communicating applications
- Creating a test plan to verify interoperability

- Executing the test plan

HL7 is only a communications standard, it does not specify what is needed for certain applications to run on a device.

HL7 is an evolving standard, constantly being developed and extended. Bearing this in mind, U.M.G. Inc. reserves the right to make changes to EvoView PACS as necessary to keep up to date with such changes.

2.3 References

- Health Level Seven Standard: http://www.hl7.org
- IHE home: http://www.ihe.net
- IHE Europe: https://ihe-europe.net

3 Conformance to the HL7 standard

3.1 Supported HL7 versions

The EvoView interfaces support the HL7 standard specified in the following HL7 Messaging Standard Versions:

- HL7 Messaging Standard Version 2.1
- HL7 Messaging Standard Version 2.2
- HL7 Messaging Standard Version 2.3
- HL7 Messaging Standard Version 2.3.1
- HL7 Messaging Standard Version 2.4
- HL7 Messaging Standard Version 2.5
- HL7 Messaging Standard Version 2.5.1
- HL7 Messaging Standard Version 2.6

The EvoView software supports message types and profiles that are implemented according to IHE integration profiles (see also IHE Technical Framework, http://www. ihe.net). Chapter 4 provides an overview of the successfully validated IHE integration profiles, actors, and options.

3.2 Data transfer between EvoView PACS and external systems

The data transfer between EvoView PACS and external systems can be implemented via network using a TCP/IP socket connection (Minimal Lower Layer Protocol) or a file-based method.

4 Conformance to the IHE integration profiles

During numerous events of the European IHE Connectathon, the EvoView software was tested with many systems of other vendors. The following list gives an overview of the successfully validated IHE integration profiles, actors, and options.

IHE Integration Statement		Date: 2015-05
Vendor	**Product name**	**Version**
U.M.G. Inc.	EvoView PACS	4
This product implements all transactions required in the IHE Technical Framework to support the IHE Integrations Profiles, Actors and Options listed below:		

Integration profiles implemented	Actors implemented	Options implemented
Access to Radiology Information (ARI)	Report Repository	None
	External Report Repository Access	None
Audit Trail and Node Authentication (ATNA)	Secure Node	None
Basic Security (SEC)	Image Manager/Archive	None
Consistent Presentation of Images (CPI)	Print Composer	None
	Image Manager	None
	Image Display	None

Integration profiles implemented	Actors implemented	Options implemented
Consistent Time (CT)	Time Client	None
	Time Server	None
Cross-Enterprise Document Media Interchange (XDM)	Portable Media Creator	CD-R, USB
	Portable Media Importer	CD-R, USB
Cross-Enterprise Document Sharing for Imaging (XDS-I.b)	Imaging Document Consumer	None
	Imaging Document Source	CDA Wrapped Text Report
	Imaging Document Source	PDF Report
	Imaging Document Source	Set of DICOM Instances
Healthcare Provider Directory (HPD)	Provider Information Directory	Provider Information Feed
Import Reconciliation Workflow (IRWF)	Importer	Scheduled Import - uses MWL, Unscheduled Import - no MWL
	Image Manager	None
Import Reconciliation Workflow (IRWF.b)	Importer	None
	Image Manager/Archive	None
Invoke Image Display (IID)	Image Display	None
Key Image Note (KIN)	Image Manager/Archive	None
	Evidence Creator	None
	Image Display	None
Mammography Image (MAMMO)	Image Manager	None
Patient Demographic Query (PDQ)	Patient Demographics Consumer	None
Patient Identifier Cross-referencing for MPI (PIX)	Patient Identifier Cross-reference Consumer	None

Integration profiles implemented	Actors implemented	Options implemented
Patient Information Reconciliation (PIR)	Department System Scheduler/Order Filler	None
	Image Manager/Archive	None
Portable Data for Imaging (PDI)	Image Display	None
	Print Composer	None
	Portable Media Creator	None
	Portable Media Importer	None
Scheduled Workflow (SWF)	Department System Scheduler/Order Filler	None
	Image Display	None
	Image Manager/Archive	None
	Performed Procedure Step Manager	None
Teaching File and Clinical Trial Export (TCE)	Export Manager	None
	Export Selector	None

Links to general information on IHE		
In North America: http://www.ihe.net	**In Europe:** http://www.ihe-europe.net	**In Japan:** http://www.ihe-j.org