Gear View Basic

DICOM Conformance Statement

March 2018

LX-ENG-GVB-DCS-REVB

PACSgear® by Hyland

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Any comments or questions regarding the contents of this document
should be directed to the author.

Revision History

Date	Revision	Author(s)	Description
2010-11-17	A	Chris Barnett	Created.
2012-11-01	B	Marilyn Palowitch	Corrected part number, removing use of product version number in the part number; minor document formatting improvements.
2013-10-02	C	Chris Barnett	Updated for version 2.1 Added Breast Tomo
10JUN2016	A	Cheryl Hawkins	Rebrand Manufacturer name from Pacsgear Inc to Lexmark Enterprise Software, LLC. Update and logo. Updated copyright and new Product ID. Changes to Product Name from GEARView to Gear View – excluding current AE name of GEARView.
March 2018	B	Ken Congdon	

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1 Introduction

This conformance statement is designed to communicate technical information regarding the Gear View Basic product and its compliance to the DICOM 3.0 standard. Gear View Basic is a DICOM viewer that lets physicians and patients view medical images and related results.

2 Implementation Model

2.1 Application Data Flow Diagram

Not applicable.

2.2 Functional Definition of AEs

Not applicable.

2.3 Sequencing of Real-World Activities

Not applicable.

3 AE Specifications

3.1 Application Data Flow Diagram

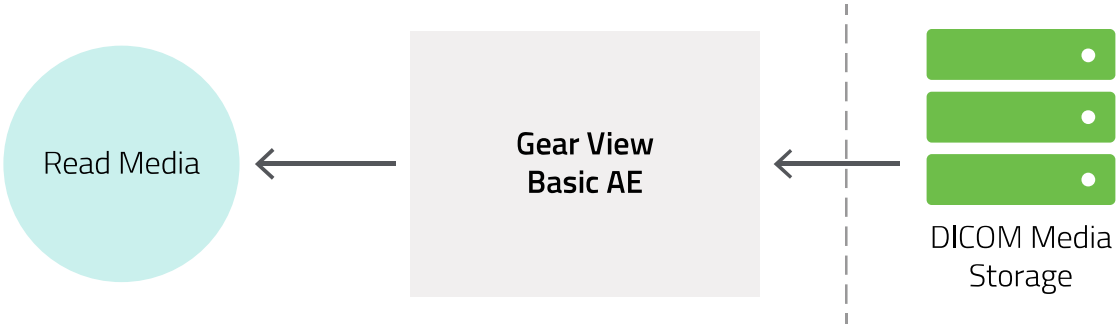

Figure 1. GEARView Basic Implementation Model

3.2 Functional Definition of AE

3.2.1 Sequencing of Real-World Activities – Read Images from Media

The GEARView Basic AE provides standard conformance to the following DICOM 3.0 Interchange option for Media Storage service class with the following profiles and roles.

Application Profiles	Real World Activity	Role	SC Option
STD-GEN-CD	Read a CD	FSR	Interchange
STD-GEN-DVD	Read a DVD	FSR	Interchange

Figure 2. GEARView Basic Application Profiles

3.3 Supported SOP Classes

The GEARView Basic AE reads the following SOP classes from media:

SOP Class Name	SOP Class UID
Breast Tomosynthesis Image Storage	1.2.840.10008.5.1.4.1.1.13.1.3
Computed Radiography Image Storage	1.2.840.10008.5.1.4.1.1.1
Digital X-Ray Image Storage – For Presentation	1.2.840.10008.5.1.4.1.1.1.1
Digital X-Ray Image Storage – For Processing	1.2.840.10008.5.1.4.1.1.1.1.1
Digital Mammography Image Storage – For Presentation	1.2.840.10008.5.1.4.1.1.1.2
Digital Mammography Image Storage – For Processing	1.2.840.10008.5.1.4.1.1.1.2.1
Digital Intra Oral X-Ray Image Storage – For Presentation	1.2.840.10008.5.1.4.1.1.1.3
Digital Intra Oral X-Ray Image Storage – For Processing	1.2.840.10008.5.1.4.1.1.1.3.1
Encapsulated PDF Storage	1.2.840.10008.5.1.4.1.1.104.1
X-Ray Angiographic Image Storage	1.2.840.10008.5.1.4.1.1.12.1
Enhanced XA Image Storage	1.2.840.10008.5.1.4.1.1.12.1.1
X-Ray Radiofluoroscopic Image Storage	1.2.840.10008.5.1.4.1.1.12.2
Positron Emission Tomography Image Storage	1.2.840.10008.5.1.4.1.1.128
CT Image Storage	1.2.840.10008.5.1.4.1.1.2
Enhanced CT Image Storage	1.2.840.10008.5.1.4.1.1.2.1
Nuclear Medicine Image Storage	1.2.840.10008.5.1.4.1.1.20
US Multi-Frame Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.3
US Multi-Frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1
MR Image Storage	1.2.840.10008.5.1.4.1.1.4
Enhanced MR Image Storage	1.2.840.10008.5.1.4.1.1.4.1
RT Image Storage	1.2.840.10008.5.1.4.1.1.481.1
NM Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.5
US Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.6
Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6.1
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7
Multi-frame Grayscale Byte Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.2
Multi-frame True Color Secondary Capture Image	1.2.840.10008.5.1.4.1.1.7.4
VL Endoscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.1
VL Microscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.2
VL Slide Coordinates Microscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.3
VL Photographic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.4
Ophthalmic Photography 8-Bit Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.1
Ophthalmic Photography 16-Bit Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.2
Basic Text SR†	1.2.840.10008.5.1.4.1.1.88.11
Enhanced SR Storage†	1.2.840.10008.5.1.4.1.1.88.22
Comprehensive SR Storage†	1.2.840.10008.5.1.4.1.1.88.33
Grayscale Softcopy Presentation State Storage SOP Class*	1.2.840.10008.5.1.4.1.1.11.1
Mammography CAD SR Transfer†	1.2.840.10008.5.1.4.1.1.88.50
Key Object Selection Document†	1.2.840.10008.5.1.4.1.1.88.59

Figure 3. Gear View Basic Supported SOP Classes

* – This modality will display a "modality not currently supported" message.

† – This modality will display as plain text

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4 Communication Profiles

4.1 Supported Communication Stacks

Not applicable.

4.2 TCP/IP Stack

Not applicable.

4.2.1 Physical Media Support

Not applicable.

5 Extension/Specialization/Privatization

Not applicable.

6 Configuration

Not applicable.

7 Extended Character Sets

Not applicable.