



Gear View QC
DICOM Conformance Statement
ENG-GVQC-DCS-REVB

Date: November 2023

Documentation Notice

Information in this document is subject to change without notice. The software described in this document is furnished only under a separate license agreement and may only be used or copied according to the terms of such agreement. It is against the law to copy the software except as specifically allowed in the license agreement. This document or accompanying materials may contain certain information which is confidential information of Hyland Software, Inc. and its affiliates, and which may be subject to the confidentiality provisions agreed to by you.

Complying with all applicable copyright laws is the responsibility of the user. Without limiting the rights under copyright law, no part of this document may be reproduced, stored in or introduced into a retrieval system, or transmitted in any form or by any means (electronic, mechanical, photocopying, recording, or otherwise), or for any purpose, without the express written permission of Hyland Software, Inc. or one of its affiliates.

Hyland, HXP, OnBase, Alfresco, Nuxeo, and product names are registered and/or unregistered trademarks of Hyland Software, Inc. and its affiliates in the United States and other countries. All other trademarks, service marks, trade names and products of other companies are the property of their respective owners.

© 2023 Hyland Software, Inc. and its affiliates.

The information in this document may contain technology as defined by the Export Administration Regulations (EAR) and could be subject to the Export Control Laws of the U.S. Government including for the EAR and trade and economic sanctions maintained by the Office of Foreign Assets Control as well as the export controls laws of your entity's local jurisdiction. Transfer of such technology by any means to a foreign person, whether in the United States or abroad, could require export licensing or other approval from the U.S. Government and the export authority of your entity's jurisdiction. You are responsible for ensuring that you have any required approvals prior to export.

Revision History

| Date | Revision | Authors | Description |
|-------------|----------|------------------------------|--|
| 17-NOV-2010 | A | Chris Barnett Todd Wysuph | Created. Edited |
| 01-NOV-2012 | B | Brian Cavanaugh | Updated for version 2.0 Part Number updated to exclude product version number. |
| 02-NOV-2013 | C | Chris Barnett | Updated for version 2.1 Added Breast Tomo |
| 10-JUN-2016 | 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. Updated Product ID accordingly with new Rev beginning at A.. |
| 09-SEP-2023 | B | Tammy Matthews | Rebranded for Hyland. Minor formatting changes. |

Table of Contents

| | |
|--|-----------|
| Documentation Notice..... | 2 |
| Revision History | 3 |
| List of Figures..... | 5 |
| Introduction | 6 |
| Implementation Model..... | 6 |
| Application Data Flow Diagram | 6 |
| Functional Definitions of Application Entity (AE) | 6 |
| Sequencing of Real-World Activities..... | 7 |
| AE Specifications | 7 |
| Gear View QC AE Specifications..... | 7 |
| <i>Association Establishment Policies</i> | 10 |
| <i>Association Initiation by Real-World Activity</i> | 11 |
| <i>Association Acceptance Policy</i> | 19 |
| <i>Real-World Activity – Verify Connectivity</i> | 19 |
| <i>Real-World Activity – Receive Images</i> | 19 |
| Communication Profiles..... | 26 |
| Supported Communication Stacks..... | 26 |
| TCP/IP Stack | 26 |
| Physical Media Support..... | 26 |
| Extension/Specialization/Privatization | 26 |
| Configuration..... | 27 |
| Extended Character Sets | 27 |

List of Figures

| | | |
|-----------|--|----|
| Figure 1. | Gear View QC Implementation Model | 6 |
| Figure 2. | Gear View QC Supported SOP Classes..... | 8 |
| Figure 3. | Gear View QC Supported SOP Classes as SCP | 10 |
| Figure 4. | Implementation Identifying Information..... | 11 |
| Figure 5. | Proposed Presentation Context – Query/Retrieve Images..... | 11 |
| Figure 6. | DICOM/QR C-FIND Attributes..... | 12 |
| Figure 7. | Proposed Presentation Context – Transmit Images..... | 19 |
| Figure 8. | Proposed Presentation Context – Verification | 19 |
| Figure 9. | Proposed Presentation Context – Receive Images..... | 26 |

Introduction

This conformance statement is designed to communicate technical information regarding the Gear View QC product and its compliance to the DICOM 3.0 standard. Gear View QC provides intuitive functionality for viewing, importing, editing, burning and sending DICOM studies to PACS/EHR.

Implementation Model

Application Data Flow Diagram

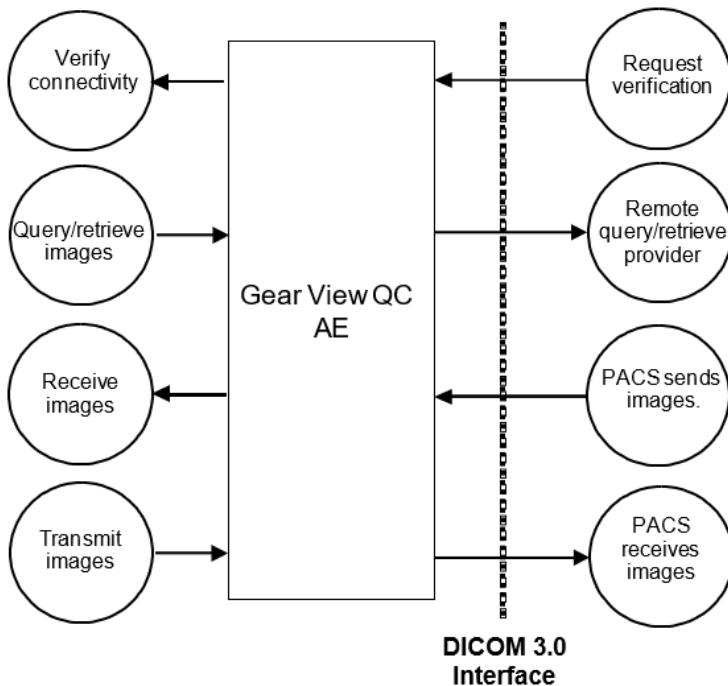


Figure 1. Gear View QC Implementation Model

Functional Definitions of Application Entity (AE)

The Gear View QC application entity supports the following four SCU/SCP functions:

- **Query/Retrieve Images**

This AE is responsible for the management of DICOM query/retrieve SCU activities.

- **Transmit Images**

This AE is responsible for the management of DICOM storage SCU services.

- **Receive Images**

This AE provides the ability to receive and store images as a DICOM storage SCP.

- **Verify Connectivity**

This AE provides the ability to acknowledge DICOM network connectivity as a DICOM verification SCP.

Sequencing of Real-World Activities

Not applicable.

AE Specifications

Gear View QC AE Specifications

The Gear View QC AE provides standard conformance to the following DICOM 3.0 SOP classes as an SCU.

| SOP Class Name | SOP Class UID |
|---|--------------------------------|
| Study Root Q/R Information Model – Find | 1.2.840.10008.5.1.4.1.2.2.1 |
| Study Root Q/R Information Model – Move | 1.2.840.10008.5.1.4.1.2.2.2 |
| Hard Copy Color Image Storage | 1.2.840.10008.5.1.1.29 |
| Hard Copy Grayscale Image Storage | 1.2.840.10008.5.1.1.30 |
| 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 2. Gear View QC Supported SOP Classes

The Gear View QC AE provides standard conformance to the following DICOM 3.0 SOP classes as an SCP. Please note that any additional class not listed below may be added via configuration.

| SOP Class Name | SOP Class UID |
|---|--------------------------------|
| Verification | 1.2.840.10008.1.1 |
| Study Root Q/R Information Model – Find | 1.2.840.10008.5.1.4.1.2.2.1 |
| Study Root Q/R Information Model – Move | 1.2.840.10008.5.1.4.1.2.2.2 |
| Hard Copy Color Image Storage | 1.2.840.10008.5.1.1.29 |
| Hard Copy Grayscale Image Storage | 1.2.840.10008.5.1.1.30 |
| 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 |
| Study Root Q/R Information Model – Find | 1.2.840.10008.5.1.4.1.2.2.1 |
| Study Root Q/R Information Model – Move | 1.2.840.10008.5.1.4.1.2.2.2 |
| 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 QC Supported SOP Classes as SCP

* - This modality will display a “modality not currently supported” message.

† - This modality will display as plain text.

Association Establishment Policies

General

The maximum PDU size for any association establishment that is offered is 512 Kbytes.

Number of Associations

The GEAR View QC AE can establish up to twenty simultaneous associations. This number is configurable.

Asynchronous Nature

The GEAR View QC AE does not support asynchronous communication.

Implementation Identifying Information

The implementation identifying information for this DICOM 3.0 implementation is:

| | |
|---------------------------------|---------------------|
| Implementation Class UID | 1.3.6.1.4.1.23849.1 |
| Version Name | PACSGEAR_v3 |

Figure 4. Implementation Identifying Information

Association Initiation by Real-World Activity

Real-World Activity – Query/Retrieve Images

The user is presented with a patient list that allows them to query one or more PACS archives by issuing one or more (C-Find) requests. After a user has selected one or more patient studies, the user can instigate a retrieve (C-Move) for the requested studies back to the Gear View QC station.

Proposed Presentation Contexts

| Abstract Syntax | | Transfer Syntax | Role | Extended Negotiation |
|---|-----------------------------|------------------------------|-------------|-----------------------------|
| Name | UID | | | |
| Study Root Query/Retrieve Information Model – Find | 1.2.840.10008.5.1.4.1.2.2.1 | Implicit VR Little Endian | SCU | None |
| Study Root Query/Retrieve Information Model – Move | 1.2.840.10008.5.1.4.1.2.2.2 | Implicit VR Little Endian | SCU | None |

Figure 5. Proposed Presentation Context – Query/Retrieve Images

SOP Specific Conformance for Study Root Query/Retrieve

Standard conformance is provided to the DICOM Study Root Q/R Service class.

The table below contains the DICOM keys that are utilized by the Gear View QC AE when issuing a DICOM Q/R C-FIND request. The C-FIND request will always use the study root information model.

| DICOM Attribute | Comment |
|------------------------|-----------------------------|
| (0008,0020) Study Date | Date range can be specified |

| | |
|--|---|
| (0008,0050) Accession Number | User can attempt an exact match |
| (0008,0052) Query/Retrieve Level | Value is always "STUDY" |
| (0008,0060) Modality | User can search for a specific modality |
| (0010,0010) Patient Name | User can narrow the search |
| (0010,0020) Patient ID | User can attempt an exact match |
| (0010,0030) Patient Birth Date | Specific birth date can be specified |
| (0010,0040) Patient Sex | |
| (0020,1208) No. of Study Related Instances | |
| (0020,000D) Study Instance UID | |

Figure 6. DICOM/QR C-FIND Attributes

Real-World Activity – Transmit Images

The user has the ability to select one or more studies and initiate a send to a destination. The Gear View QC AE will request an association with a single configured AE. Gear View QC will then transmit all of the images over this association, and will request an association release.

Proposed Presentation Contexts

| Abstract Syntax | | Transfer Syntax | | Role | Extended Negotiation |
|-------------------------------------|------------------------------------|--------------------------------|------------------------|------|----------------------|
| Name | UID | Name | UID | | |
| Hard Copy Color Image Storage | 1.2.840.10008.5.1.1.29 | Implicit VR LittleEndian | 1.2.840.1000 8.1.2 | SCU | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Hard Copy Grayscale Image Storage | 1.2.840.10008.5.1.1.30 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Breast Tomo-Synthesis Image Storage | 1.2.840.10008.5.1.4.1.1.13.1. 3 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |

| | | | | | |
|---|-------------------------------|--------------------------------|------------------------|-----|------|
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| CR Image Storage | 1.2.840.10008.5.1.4.1.1.1 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Digital Mammo- graphy Image Storage - For Presentation | 1.2.840.10008.5.1.4.1.1.1.2 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Digital Mammo- graphy Image Storage - For Processing | 1.2.840.10008.5.1.4.1.1.2.1 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Digital Intra Oral X-Ray Image Storage - For Presentation | 1.2.840.10008.5.1.4.1.1.1.3 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Digital Intra Oral X-Ray Image - For Processing | 1.2.840.10008.5.1.4.1.1.1.3.1 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Encapsulated PDF Storage | 1.2.840.10008.5.1.4.1.1.104.1 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |

| | | | | | |
|--|--------------------------------|--------------------------|-------------------|-----|------|
| X-Ray Angiographic Image Storage | 1.2.840.10008.5.1.4.1.1.12.1 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| JPEG Baseline-Process 1 | | 1.2.840.10008.1.2.4.50 | | | |
| JPEG Extended (Process 2 & 4) | | 1.2.840.10008.1.2.4.51 | | | |
| JPEG Lossless Non-Hierarchical | | 1.2.840.10008.1.2.4.70 | | | |
| JPEG 2000 Lossless | | 1.2.840.10008.1.2.4.90 | | | |
| JPEG 2000 Lossy | | 1.2.840.10008.1.2.4.91 | | | |
| Enhanced XA Image Storage | 1.2.840.10008.5.1.4.1.1.12.1.1 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| JPEG Baseline-Process 1 | | 1.2.840.10008.1.2.4.50 | | | |
| JPEG Extended (Process 2 & 4) | | 1.2.840.10008.1.2.4.51 | | | |
| JPEG Lossless Non-Hierarchical | | 1.2.840.10008.1.2.4.70 | | | |
| JPEG 2000 Lossless | | 1.2.840.10008.1.2.4.90 | | | |
| JPEG 2000 Lossy | | 1.2.840.10008.1.2.4.91 | | | |
| X-Ray Radio-fluoroscopic Image Storage | 1.2.840.10008.5.1.4.1.1.12.2 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| JPEG Baseline-Process 1 | | 1.2.840.10008.1.2.4.50 | | | |
| JPEG Extended (Process 2 & 4) | | 1.2.840.10008.1.2.4.51 | | | |
| JPEG Lossless Non-Hierarchical | | 1.2.840.10008.1.2.4.70 | | | |
| JPEG 2000 Lossless | | 1.2.840.10008.1.2.4.90 | | | |
| JPEG 2000 Lossy | | 1.2.840.10008.1.2.4.91 | | | |
| Positron Emission Tomography Image Storage | 1.2.840.10008.5.1.4.1.1.128 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| JPEG Baseline-Process 1 | | 1.2.840.10008.1.2.4.50 | | | |
| JPEG Extended (Process 2 & 4) | | 1.2.840.10008.1.2.4.51 | | | |
| JPEG Lossless Non-Hierarchical | | 1.2.840.10008.1.2.4.70 | | | |
| JPEG 2000 Lossless | | 1.2.840.10008.1.2.4.90 | | | |
| JPEG 2000 Lossy | | 1.2.840.10008.1.2.4.91 | | | |
| CT Image Storage | 1.2.840.10008.5.1.4.1.1.2 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| JPEG Baseline-Process 1 | | 1.2.840.10008.1.2.4.50 | | | |
| JPEG Extended (Process 2 & 4) | | 1.2.840.10008.1.2.4.51 | | | |
| JPEG Lossless Non-Hierarchical | | 1.2.840.10008.1.2.4.70 | | | |
| JPEG 2000 Lossless | | 1.2.840.10008.1.2.4.90 | | | |
| JPEG 2000 Lossy | | 1.2.840.10008.1.2.4.91 | | | |
| Enhanced CT Image Storage | 1.2.840.10008.5.1.4.1.1.2.1 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| JPEG Baseline-Process 1 | | 1.2.840.10008.1.2.4.50 | | | |
| JPEG Extended (Process 2 & 4) | | 1.2.840.10008.1.2.4.51 | | | |
| JPEG Lossless Non-Hierarchical | | 1.2.840.10008.1.2.4.70 | | | |
| JPEG 2000 Lossless | | 1.2.840.10008.1.2.4.90 | | | |
| JPEG 2000 Lossy | | 1.2.840.10008.1.2.4.91 | | | |
| Digital X-Ray Image Storage | 1.2.840.10008.5.1.4.1.1.1.1 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| JPEG Baseline-Process 1 | | 1.2.840.10008.1.2.4.50 | | | |

| | | | | | |
|--|-----------------------------|----------------------------------|------------------------|-----|------|
| (Raw) | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| MR Image Storage | 1.2.840.10008.5.1.4.1.1.4 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Enhanced MR Image Storage | 1.2.840.10008.5.1.4.1.1.4.1 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| US Image Storage (Retired) | 1.2.840.10008.5.1.4.1.1.6 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| US Image Storage | 1.2.840.10008.5.1.4.1.1.6.1 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| US Multi-Frame Image Storage (Retired) | 1.2.840.10008.5.1.4.1.1.3 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| US Multi-Frame Image Storage | 1.2.840.10008.5.1.4.1.1.3.1 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |

| | | | | | |
|--|--------------------------------|--------------------------------|------------------------|-----|------|
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| SC Image Storage | 1.2.840.10008.5.1.4.1.1.7 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Multi-frame True Color Secondary Capture Image Storage | 1.2.840.10008.5.1.4.1.1.7.4 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Multi-frame Grayscale Byte Secondary Capture Image Storage | 1.2.840.10008.5.1.4.1.1.7.2 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| VL Endoscopic Image Storage | 1.2.840.10008.5.1.4.1.1.77.1.1 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| VL Microscopic Image Storage | 1.2.840.10008.5.1.4.1.1.77.1.2 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| VL Slide Coordinates Microscopic Image Storage | 1.2.840.10008.5.1.4.1.1.77.1.3 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |

| | | | | | |
|--|--------------------------------------|------------------------------------|------------------------|-----|------|
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| VL Photographic Image Storage | 1.2.840.10008.5.1.4.1.1.77.1.4 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| | | JPEG Baseline- Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non- Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Ophthalmic Photograph y 8-Bit Image Storage | 1.2.840.10008.5.1.4.1.1.77.1.5 .1 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| | | JPEG Baseline- Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non- Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Ophthalmic Photograph y 16-Bit Image Storage | 1.2.840.10008.5.1.4.1.1.77.1.5 .2 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| | | JPEG Baseline- Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non- Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| MG Storage (Presentation) | 1.2.840.10008.5.1.4.1.1.1.2 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| | | JPEG Baseline- Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non- Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| MG Storage (Raw) | 1.2.840.10008.5.1.4.1.1.1.2.1 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| | | JPEG Baseline- Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non- Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| NM Image Storage (Retired) | 1.2.840.10008.5.1.4.1.1.5 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| | | JPEG Baseline- Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non- Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| NM Image | 1.2.840.10008.5.1.4.1.1.20 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| | | JPEG Baseline- Process 1 | 1.2.840.10008.1.2.4.50 | | |

| | | | | | |
|--------------------------|-------------------------------|--------------------------------|------------------------|-----|------|
| Storage | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| XA Image Storage | 1.2.840.10008.5.1.4.1.1.12.1 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| RF Image Storage | 1.2.840.10008.5.1.4.1.1.12.2 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Standard PET Image | 1.2.840.10008.5.1.4.1.1.128 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Basic Text SR | 1.2.840.10008.5.1.4.1.1.88.11 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Enhanced SR Storage | 1.2.840.10008.5.1.4.1.1.88.22 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Comprehensive SR Storage | 1.2.840.10008.5.1.4.1.1.88.33 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Grayscale | 1.2.840.10008.5.1.4.1.1.11.1 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCU | None |

| | | | | | |
|---|-----------------------------|------------------------------------|------------------------|-----|------|
| Softcopy Presentation State Storage SOP Class | | JPEG Baseline- Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non- Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Grayscale Softcopy Presentation | 1.2.840.10008.5.1.4.1.11.1 | Implicit VR Little Endian | 1.2.840.10008.1.2 | SCU | None |
| | | JPEG Baseline- Process 1 | 1.2.840.10008.1.2.4.50 | | |
| State Storage SOP Class | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non- Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Mammo- graphy CAD SR Transfer | 1.2.840.10008.5.1.4.1.18.50 | Implicit VR Little Endian | 1.2.840.10008.1.2 | SCU | None |
| | | JPEG Baseline- Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non- Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |

Figure 7. Proposed Presentation Context – Transmit Images**SOP Specific Conformance for Image Storage**

Standard conformance is provided for the supported SOP classes.

Association Acceptance Policy**Real-World Activity – Verify Connectivity**

The Gear View QC AE will accept associations for C-Echo and provide standard conformance to the DICOM Verification Service class.

Proposed Presentation Contexts

| Proposed Presentation Context Table | | | | |
|--|-------------------|------------------------------|-------------|---------------------------------|
| Abstract Syntax | | Transfer Syntax | Role | Extended Negotiation |
| Name | UID | | | |
| Verification | 1.2.840.10008.1.2 | Implicit VR Little Endian | SCP | None |

Figure 8. Proposed Presentation Context – Verification**Real-World Activity – Receive Images**

The Gear View QC AE will accept associations for C-Storage requests and provide standard conformance to the DICOM Storage Service class for the purpose of caching studies that will be available for use by the Gear View QC user.

Proposed Presentation Contexts

| Abstract Syntax | | Transfer Syntax | | Role | Extended Negotiation |
|--|-------------------------------|--------------------------------|------------------------|------|----------------------|
| Name | UID | Name | UID | | |
| Hard Copy Color Image Storage | 1.2.840.10008.5.1.1.29 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Hard Copy Grayscale Image Storage | 1.2.840.10008.5.1.1.30 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| CR Image Storage | 1.2.840.10008.5.1.4.1.1.1 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Digital Mammography Image Storage - For Presentation | 1.2.840.10008.5.1.4.1.1.1.2 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Digital Mammography Image Storage - For Processing | 1.2.840.10008.5.1.4.1.1.1.2.1 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Digital Intra Oral X-Ray Image | 1.2.840.10008.5.1.4.1.1.1.3 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| Storage - For Presentation | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |

| | | | | | |
|---|--------------------------------|------------------------------------|------------------------|-----|------|
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Digital Intra Oral X-Ray Image Storage - For Processing | 1.2.840.10008.5.1.4.1.1.3.1 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline- Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non- Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Encapsulated PDF Storage | 1.2.840.10008.5.1.4.1.1.104.1 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline- Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non- Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| X-Ray Angiographic Image Storage | 1.2.840.10008.5.1.4.1.1.12.1 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline- Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non- Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Enhanced XA Image Storage | 1.2.840.10008.5.1.4.1.1.12.1.1 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline- Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non- Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| X-Ray Radio- fluoroscopic Image Storage | 1.2.840.10008.5.1.4.1.1.12.2 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline- Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non- Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Positron Emission Tomography Image Storage | 1.2.840.10008.5.1.4.1.1.128 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline- Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non- Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| CT Image Storage | 1.2.840.10008.5.1.4.1.1.2 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline- Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non- Hierarchical | 1.2.840.10008.1.2.4.70 | | |

| | | | | | |
|--|-----------------------------|------------------------------------|------------------------|-----|------|
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Enhanced CT Image Storage | 1.2.840.10008.5.1.4.1.1.2.1 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline- Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non- Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Digital X-Ray Image Storage (Raw) | 1.2.840.10008.5.1.4.1.1.1.1 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline- Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non- Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| MR Image Storage | 1.2.840.10008.5.1.4.1.1.4 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline- Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non- Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Enhanced MR Image Storage | 1.2.840.10008.5.1.4.1.1.4.1 | Implicit VR Little Endian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline- Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non- Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| US Image Storage (Retired) | 1.2.840.10008.5.1.4.1.1.6 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline- Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non- Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| US Image Storage | 1.2.840.10008.5.1.4.1.1.6.1 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline- Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non- Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| US Multi- Frame Image Storage (Retired) | 1.2.840.10008.5.1.4.1.1.3 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline- Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |

| | | | | | |
|--|--------------------------------|--------------------------------|------------------------|-----|------|
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| US Multi-Frame Image Storage | 1.2.840.10008.5.1.4.1.1.3.1 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| SC Image Storage | 1.2.840.10008.5.1.4.1.1.7 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Multi-frame True Color Secondary Capture Image Storage | 1.2.840.10008.5.1.4.1.1.7.4 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Multi-frame Grayscale Byte Secondary Capture Image Storage | 1.2.840.10008.5.1.4.1.1.7.2 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| VL Endoscopic Image Storage | 1.2.840.10008.5.1.4.1.1.77.1.1 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| VL Microscopic Image Storage | 1.2.840.10008.5.1.4.1.1.77.1.2 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| VL Slide Coordinates Microscopic | 1.2.840.10008.5.1.4.1.1.77.1.3 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |

| | | | | | |
|---|----------------------------------|--------------------------------|------------------------|-----|------|
| Image Storage | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| VL Photographic Image Storage | 1.2.840.10008.5.1.4.1.1.77.1.4 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Ophthalmic Photography 8-Bit Image Storage | 1.2.840.10008.5.1.4.1.1.77.1.5.1 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Ophthalmic Photography 16-Bit Image Storage | 1.2.840.10008.5.1.4.1.1.77.1.5.2 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| MG Storage (Presentation) | 1.2.840.10008.5.1.4.1.1.1.2 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| MG Storage (Raw) | 1.2.840.10008.5.1.4.1.1.1.2.1 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| NM Image Storage (Retired) | 1.2.840.10008.5.1.4.1.1.5 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| NM Image | 1.2.840.10008.5.1.4.1.1.20 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |

| | | | | | |
|--------------------------|-------------------------------|--------------------------------|------------------------|-----|------|
| Storage | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| XA Image Storage | 1.2.840.10008.5.1.4.1.1.12.1 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| RF Image Storage | 1.2.840.10008.5.1.4.1.1.12.2 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Standard PET Image | 1.2.840.10008.5.1.4.1.1.128 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Basic Text SR | 1.2.840.10008.5.1.4.1.1.88.11 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Enhanced SR Storage | 1.2.840.10008.5.1.4.1.1.88.22 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Comprehensive SR Storage | 1.2.840.10008.5.1.4.1.1.88.33 | Implicit VR LittleEndian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline-Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |

| | | | | | |
|---|-------------------------------|-------------------------------------|------------------------|-----|------|
| | | JPEG Lossless Non-Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Grayscale Softcopy Presentation State Storage SOP Class | 1.2.840.10008.5.1.4.1.1.11.1 | Implicit VR Little Endian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline- Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non- Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Grayscale Softcopy Presentation State Storage SOP Class | 1.2.840.10008.5.1.4.1.1.11.1 | Implicit VR Little Endian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline- Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non- Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |
| Mammo- graphy CAD SR Transfer | 1.2.840.10008.5.1.4.1.1.88.50 | Implicit VR Little Endian | 1.2.840.10008.1.2 | SCP | None |
| | | JPEG Baseline- Process 1 | 1.2.840.10008.1.2.4.50 | | |
| | | JPEG Extended (Process 2 & 4) | 1.2.840.10008.1.2.4.51 | | |
| | | JPEG Lossless Non- Hierarchical | 1.2.840.10008.1.2.4.70 | | |
| | | JPEG 2000 Lossless | 1.2.840.10008.1.2.4.90 | | |
| | | JPEG 2000 Lossy | 1.2.840.10008.1.2.4.91 | | |

Figure 9. Proposed Presentation Context – Receive Images

Communication Profiles

Supported Communication Stacks

The GEAR View QC AE provides DICOM 3.0 TCP/IP network communication support as defined in PS 3.8.

TCP/IP Stack

The Gear View QC AE implements DICOM 3.0 on top of the Windows TCP/IP stack.

Physical Media Support

The Gear View QC AE is indifferent to the physical medium over which TCP/IP executes.

Extension/Specialization/Privatization

Not applicable.

Configuration

The following items related to DICOM are configurable for the Gear View QC AE:

- Local AE Title
- Remote Query/Retrieve AE Titles
- Remote Query/Retrieve IP Addresses
- Remote Query/Retrieve Ports
- Local Server Port
- Supported Transfer Syntaxes
- Supported Abstract Syntaxes
- Server Socket Timeout
- Client Socket Timeout

Please note that one or more remote query locations can be configured.

Extended Character Sets

Not applicable.