



DICOM Conformance Statement CARESTREAM Vue PACS v12.0

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1 Introduction

The CARESTREAM Vue Picture Archiving and Communication System (PACS) is an archive for medical imaging-related data. CARESTREAM Vue PACS (Vue PACS) stores and handles an unlimited amount of data and supplies a means of accessing the images using DICOM 3.0 standard protocol.

The Vue PACS communications are based on the DICOM 3.0 standard. This enables the server to communicate with any DICOM 3.0 compliant products (such as scanners, workstations, and hardcopy units). The server acts as a DICOM Provider, thus other stations can retrieve and send images to and from the server. Images are transferred using the DICOM 3.0 protocol based on TCP/IP as a transport layer.

1.1 Abbreviations and Acronyms

AE	Application Entity
DICOM	Digital Imaging and Communications in Medicine
FSC	File Set Creator
FSR	File Set Reader
IHE	Integrating the Healthcare Enterprise
MPPS	Modality Performed Procedure Step
PACS	Picture Archiving and Communication System
PDU	Protocol Data Unit
RIS	Radiology Information System
SCP	Service Class Provider
SCU	Service Class User
SOP	Service Object Pair
TCP/IP	Transmission Control Protocol/Internet Protocol
UID	Unique Identifier
VM	Value Multiplicity
VR	Value Representation

1.2 About this Document

This document provides the DICOM Conformance Statement for the Vue PACS implementation of the DICOM 3.0 standard. The Conformance Statement defines the subset of options selected from those offered by the DICOM 3.0 standard.

Copies of the DICOM 3.0 standard are freely available at <http://medical.nema.org> or may be obtained by written request or phone, by contacting:

NEMA
Suite 1847
1300 North 17th Street
Rosslyn, VA 22209 USA
Phone: (703) 841-3285

It is assumed that the reader of this document is familiar with the DICOM 3.0 standard and with the terminology and concepts used in the standard.

1.3 Important Remarks

The scope of this DICOM Conformance Statement is to facilitate integration between Vue PACS and other DICOM products. The Conformance Statement should be read and understood in conjunction with the DICOM Standard. DICOM alone does not guarantee interoperability.

The Conformance Statement does, however, facilitate a first-level comparison for interoperability between different applications supporting compatible DICOM functionality.

This Conformance Statement is not supposed to replace validation with other DICOM equipment to ensure proper exchange of intended information.

It is the responsibility of the user to analyze an application's requirements and to design a solution that integrates the system properly with the network. The integration of any DICOM compliant device into an existing network goes beyond the scope of the standard.

Testing the complete range of possible interactions between Vue PACS and other devices should not be overlooked by the user. This includes the accuracy of the image data once it has crossed the interface between Vue PACS and the other device and the suitability of the image data for the intended applications. Such a validation is required before any clinical action is performed.

Evolution of the DICOM 3.0 standard may require changes to devices which have implemented it, such as the Vue PACS. The user should ensure that other DICOM products in the network are also updated as the standard evolves.

If the user encounters unspecified private data elements while parsing a data set coming from the server, the user is well advised to ignore those data elements (per the DICOM 3.0 standard). Unspecified private data element information is subject to change without notice.

Vue PACS has participated in an industry-wide testing program sponsored by Integrating the Healthcare Enterprise (IHE). The IHE Integration Statement for Vue PACS, together with the IHE Technical Framework, may facilitate the process of validation testing.

2 Implementation Model

Vue PACS uses the DICOM protocol to enable the following functions:

- Receiving of images for storage in its archive
- Retrieving images from its archive
- Answering queries on data stored in its archive
- Printing
- Verification

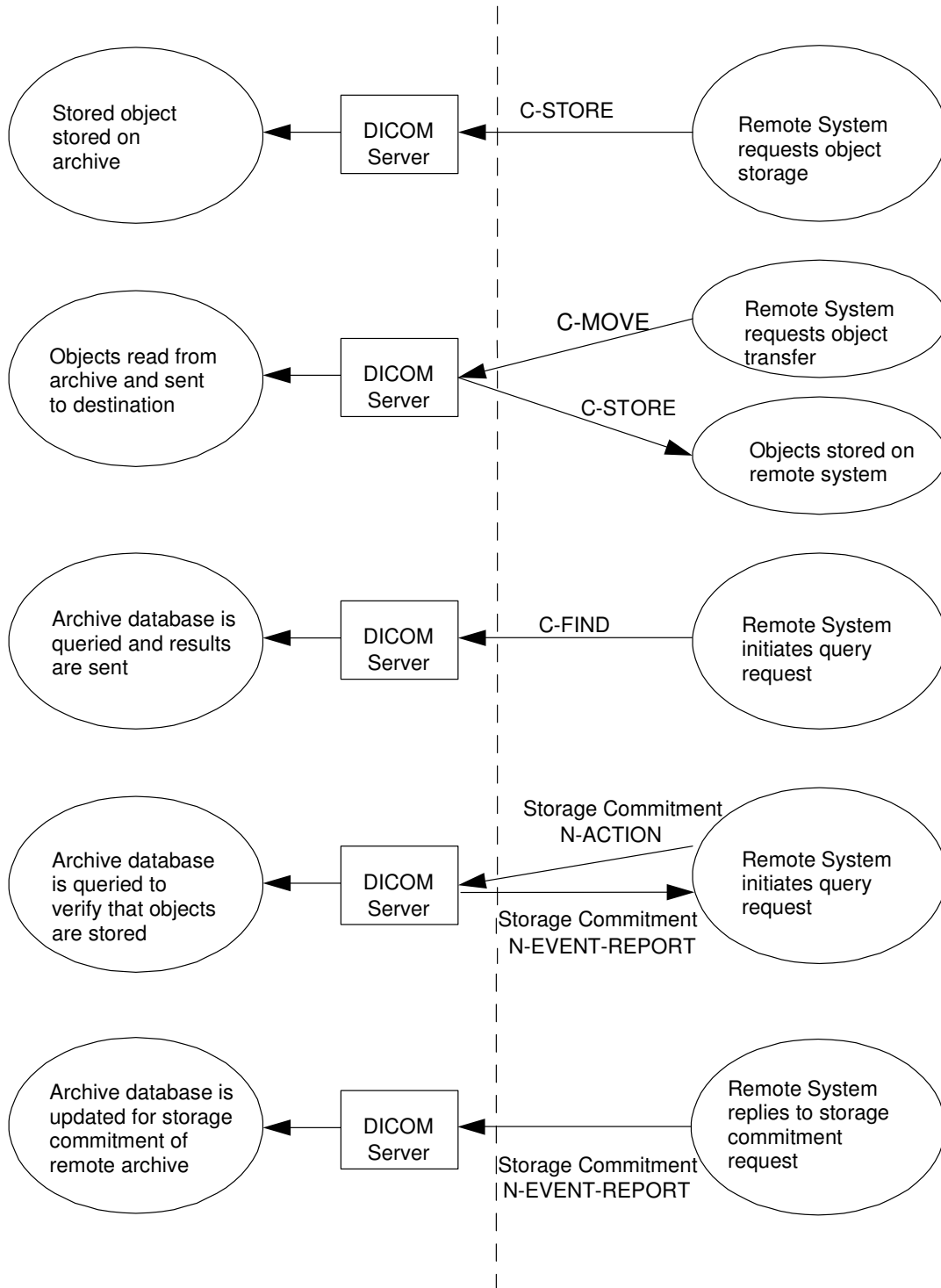
2.1 Application Data Flow Diagram

The Vue PACS system implements and provides DICOM services using the following application entities:

- DICOM Server
- Query Manager
- Load Manager
- Save Manager
- Data-Router
- Print Manager
- CD Direct

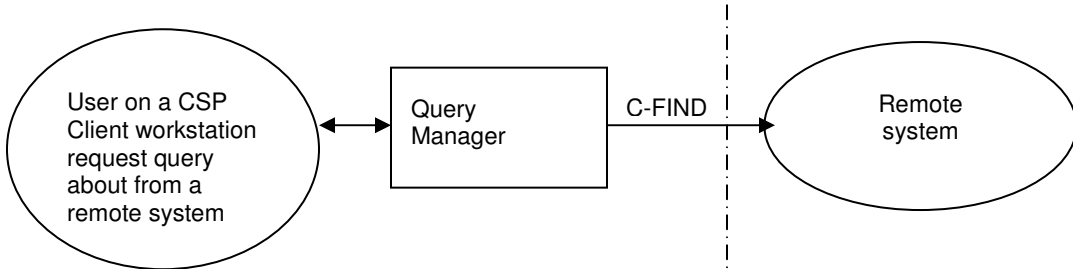
2.1.1 DICOM Server

This Application Entity (AE) serves as the interface for the database of the stored instances on the archive. This Service Class Provider (SCP) provides DICOM Storage and Query-Retrieve and Storage Commitment services. The following shows an illustration of the DICOM server activities.



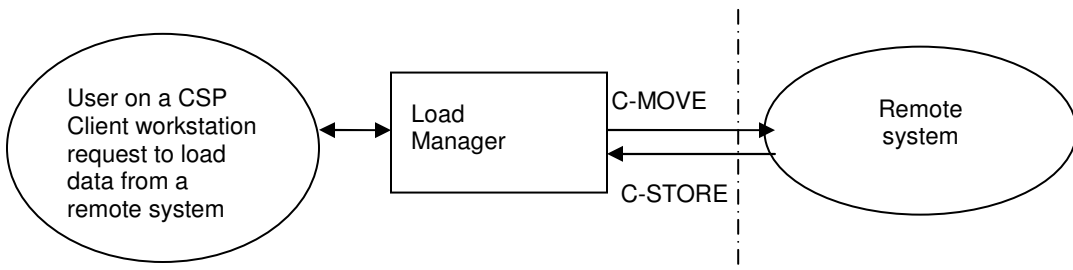
2.1.2 Query Manager

This AE is used as a Service Class User (SCU) for querying remote archives for their DICOM data. The following shows an illustration of Query manager activity.



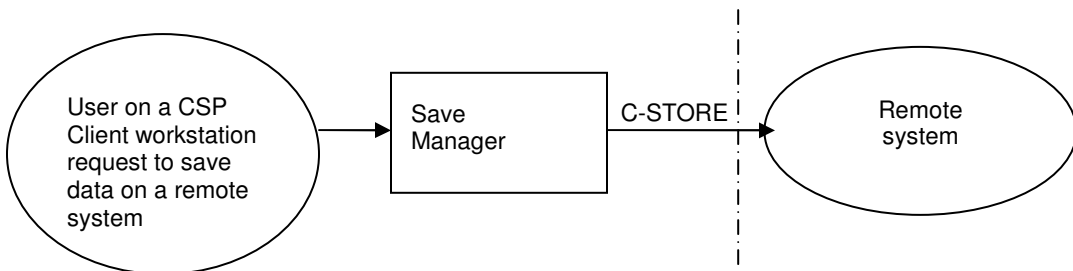
2.1.3 Load Manager

This AE is used as a C-Move SCU and Storage SCP for retrieving DICOM information located on remote archives. The following illustrates the Query Manager activity.



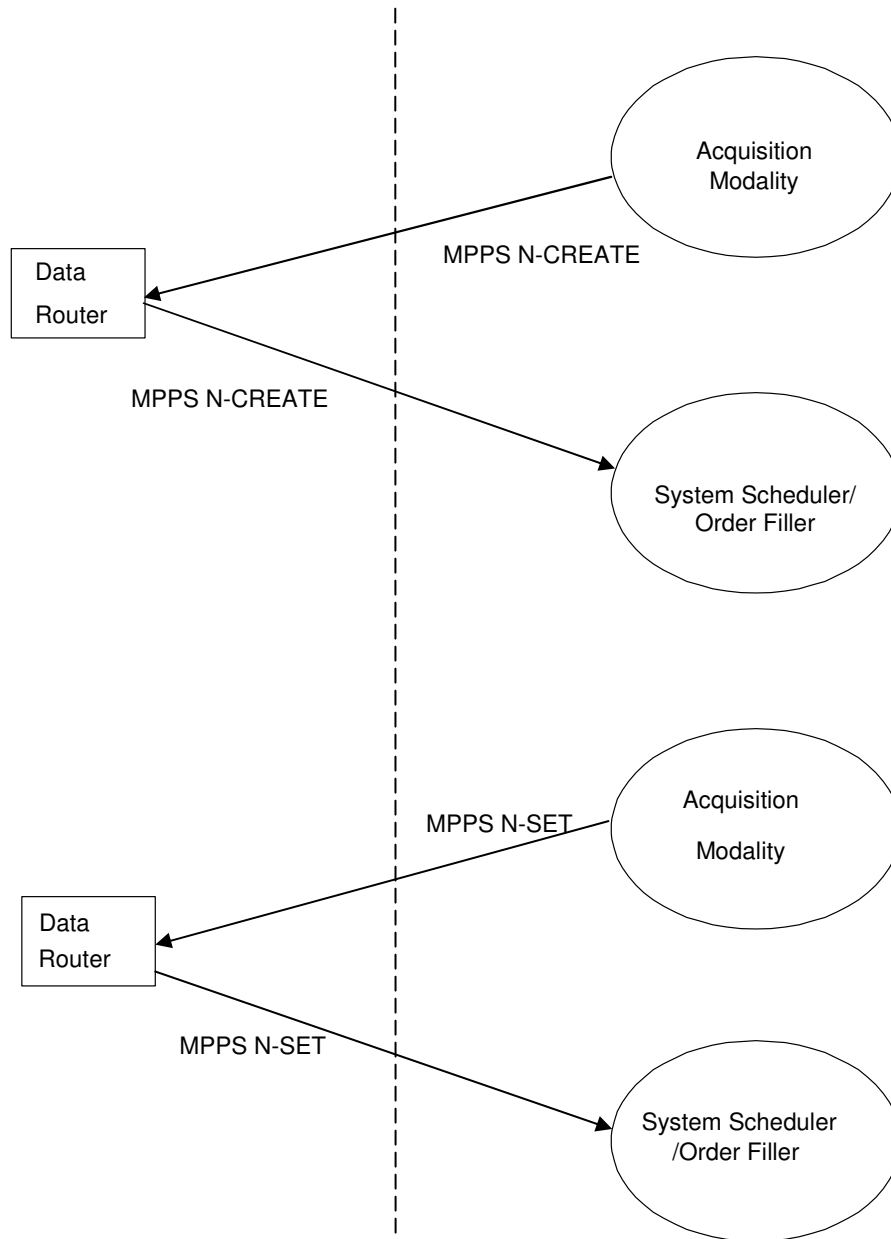
2.1.4 Save Manager

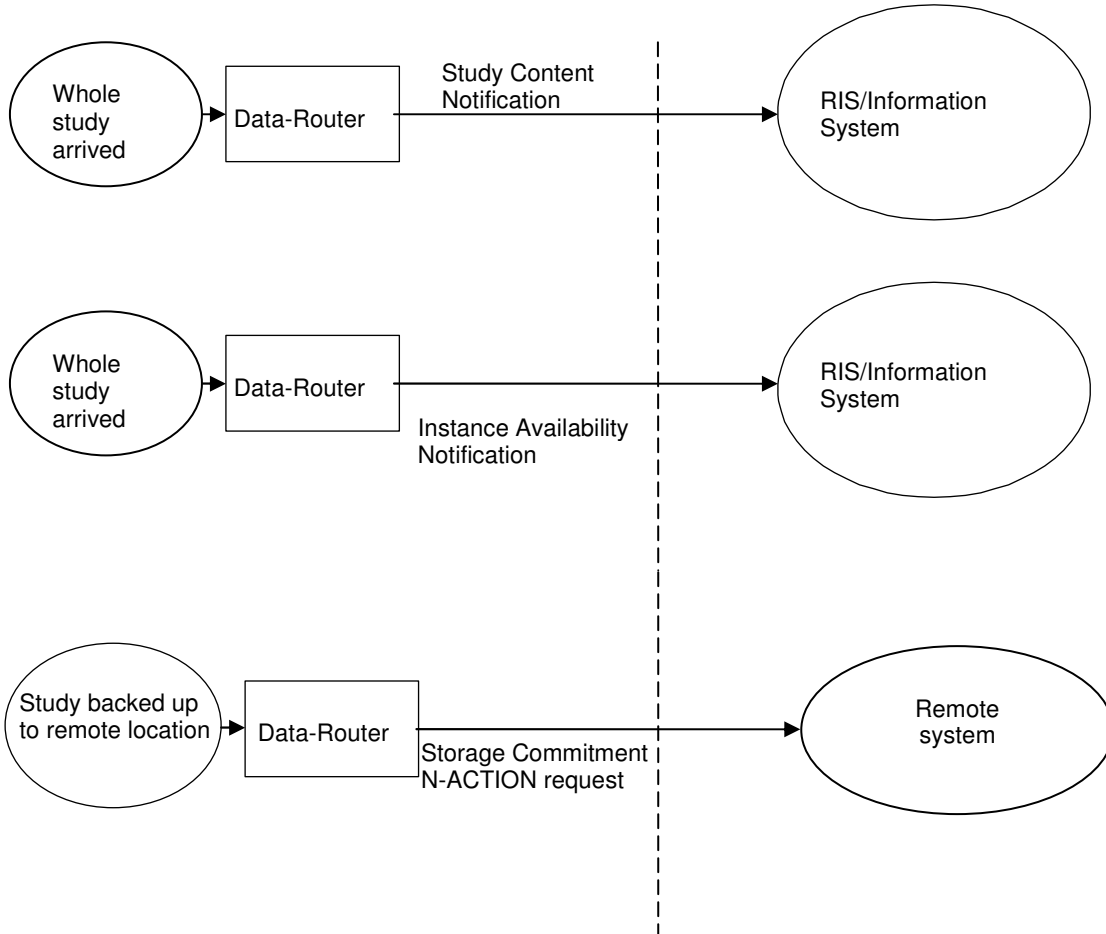
This AE is used as an SCU for saving DICOM data to remote archives. The following illustrates the Query Manager activity.



2.1.5 Data-Router

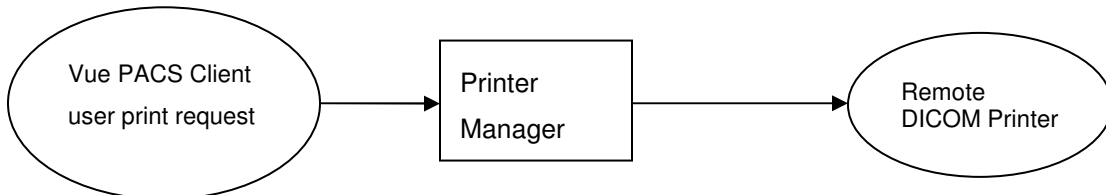
This Application Entity (AE) serves as the interface between the modality and the order filler. This Service Class Provider/User (SCP, SCU) provides DICOM MPPS-N-CREATE, MPPS-N-SET, Study Content Notification (SCN), and Instance Availability Notification services. The following illustrates the Data-Router activities.





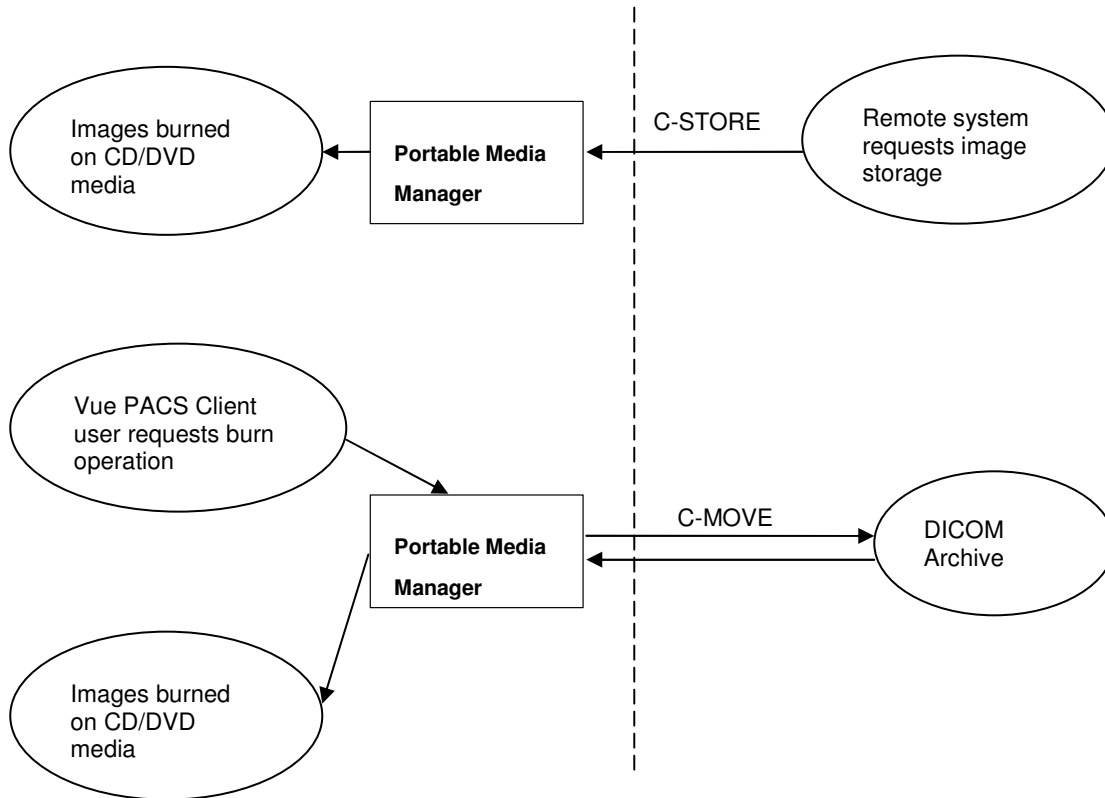
2.1.6 Print Manager

The AE is also used as an SCU for printing images on imagers. The following illustrates Print Manager activities.



2.1.7 Portable Media Manager

This Application Entity (AE) burns images it receives to CDs. The Portable Media Manager has two modes of operation. The first as a Service Class Provider (SCP) provides DICOM Storage services and the second mode as a Query-Retrieve SCU and storage SCP. The following illustrates Portable Media Manager activities.



2.2 Functional Definitions of AEs

2.2.1 DICOM Server

The DICOM server waits for another application to connect at the presentation address configured for its AE title. The DICOM server accepts associations with Presentation Contexts for Service Object Pair (SOP) classes of the Storage, Query-Retrieve (C-MOVE and C-FIND only), Storage Commitment and Verification Service Classes.

When performing a Storage Service Class, the DICOM server receives images and stores them into its archive.

When performing Query-Retrieve Service Class (C-FIND), the DICOM server queries its archive database according to the request's parameters and sends the results to the issuer.

When performing Query-Retrieve Service Class (C-MOVE), the DICOM server issues a C-STORE (to the target AE) for every image in the request.

When a remote archive is requesting storage commitment from Vue PACS, the storage commitment N-EVENT-RESPONSE can be sent either on the original association or on a new association.

When Vue PACS is requesting storage commitment, the N-EVENT-REQUEST must be returned by the remote archive on a new association.

2.2.2 Query Manager

The Query Manager is an SCU used to query the contents of remote archives. The Query Manager serves the Vue PACS workstations users. The results may be presented to the user on the screen or used by the application. The Query Manager requests associations with Presentation Contexts for the following SOP classes:

- C-Find Patient Root Model
- C-Find Study Root Model
- C-Find Patient/Study Only Model

2.2.3 Load Manager

The Load Manager is responsible for loading images from foreign archives. It receives requests from Vue PACS diagnostic workstations users to load images into their display applications. It performs these requests using the Query-Retrieve Service Class (C-MOVE SCU). It can perform the following activities:

- Establish an association with a remote AE.
- Issue a C-MOVE request (using the Study Root model) where the target AE is the same AE as the requester.
- Release an association with a remote AE

The server side waits for another application to connect at the presentation address configured for its AE title. The Load Manager accepts associations with Presentation Contexts for SOP classes of the Storage and Verification Service classes. It receives instances on these Presentation Contexts and transfers them to the requesting Vue PACS diagnostic workstations.

2.2.4 Save Manager

The Save Manager is responsible for interfacing between the Vue PACS workstations and the remote DICOM systems. It performs this task using the Store Services (C-STORE) as an SCU.

2.2.5 Data-Router

Data-Router accepts internal notification from other Vue PACS components about study storage completion and it issues (if configured) an association request to the system RIS with one of the following two presentation contexts—Study Content Notification and Study Instance Notification. If the presentation contexts are accepted by the DICOM peer, one of these service classes is requested.

The Data-Router is also responsible for the accepting DICOM associations to its configured AE title for Presentation Contexts of Modality Performed Procedure Step and Verification SOP classes.

When a modality sends a MPPS request arrives to the Data-Router, it processes it and tries to connect the configured Scheduler/Order Filler and transmit the content of the MPPS request.

According to configuration, the Data Router is capable of issuing N-ACTION storage commitment requests toward remote archives that are used as backup devices for studies from Vue PACS. For this transaction, the DICOM server AE title is used. After a successful N-ACTION response, the Data-Router releases the association. The storage commitment N-EVENT-REPORT is sent on a new association and is handled by the DICOM server.

2.2.6 Print Manager

The Print Manager is responsible for interfacing between any Vue PACS diagnostic workstation and a target DICOM printer. The data from the print client (film boxes, film sessions) is routed to the configured print SCP through the print manager. All printing requests are using the same print manager, thus the print SCP has to be configured for only one AE title/IP combination.

2.2.7 Portable Media Manager

The Portable Media Manager waits for another application to connect at the presentation address configured for its AE title. The Portable Media Manager accepts associations with Presentation Contexts for Service Object Pair (SOP) classes of the Storage and Verification Service Classes.

The Portable Media Manager accepts storage SOP classes either on unsolicited associations initiated by remote systems, or on associations issued due to requests from Vue PACS workstations for which the Portable Media Manager itself issued C-Move requests (as SCU).

When performing a Storage Service Class, the received images are stored in a temporary archive, which is later burned on to a CD.

2.3 Sequencing of Real-World Activities

N/A

3 AE Specifications

All of the application entities described in Section [2.1 Application Data Flow Diagram](#) are part of the Vue PACS. Therefore, the AE specifications of entities are combined together because they are usually used as part of a single whole system.

3.1 Vue PACS AE Specifications

3.1.1 SOP Classes

Vue PACS provides standard conformance to the following SOP classes:

SOP Class Name	SOP Class UID	SCU	SCP
Verification	1.2.840.10008.1.1	Yes	Yes
CT Image Storage	1.2.840.10008.5.1.4.1.1.2	Yes	Yes
MR Image Storage	1.2.840.10008.5.1.4.1.1.4	Yes	Yes
Nuclear Medicine Image Storage	1.2.840.10008.5.1.4.1.1.20	Yes	Yes
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7	Yes	Yes
X-Ray Radiofluoroscopic Image Storage	1.2.840.10008.5.1.4.1.1.12.2	Yes	Yes
X-Ray Angiographic Image Storage	1.2.840.10008.5.1.4.1.1.12.1	Yes	Yes
X-Ray Angiographic Bi-Plane Image Storage	1.2.840.10008.5.1.4.1.1.12.3	Yes	Yes
Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6.1	Yes	Yes
Ultrasound Image Storage (retired)	1.2.840.10008.5.1.4.1.1.6	Yes	Yes
Ultrasound Multi-Frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1	Yes	Yes
Ultrasound Multi-Frame Image Storage (retired)	1.2.840.10008.5.1.4.1.1.3	Yes	Yes
Computed Radiography Image Storage	1.2.840.10008.5.1.4.1.1.1	Yes	Yes
Grayscale Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.1	Yes	Yes
Color Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.2	Yes	Yes
Pseudo-Color Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.3	Yes	Yes
Blending Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.4	Yes	Yes
Digital X-Ray Image Storage For Presentation	1.2.840.10008.5.1.4.1.1.1.1	Yes	Yes
Digital X-Ray Image Storage For Processing	1.2.840.10008.5.1.4.1.1.1.1.1	Yes	Yes
Digital Mammography X-Ray Image Storage For Presentation	1.2.840.10008.5.1.4.1.1.1.2	Yes	Yes
Digital Mammography X-Ray Image Storage For Processing	1.2.840.10008.5.1.4.1.1.1.2.1	Yes	Yes
Digital Intra Oral X-Ray Image Storage For Presentation	1.2.840.10008.5.1.4.1.1.1.3	Yes	Yes
Digital Intra Oral X-Ray Image Storage For Processing	1.2.840.10008.5.1.4.1.1.1.3.1	Yes	Yes
RT Image Storage	1.2.840.10008.5.1.4.1.1.481.1	Yes	Yes
RT Dose Storage	1.2.840.10008.5.1.4.1.1.481.2	Yes	Yes
RT Structure Set Storage	1.2.840.10008.5.1.4.1.1.481.3	Yes	Yes
RT Beams Treatment Record Storage	1.2.840.10008.5.1.4.1.1.481.4	Yes	Yes
RT Plan Storage	1.2.840.10008.5.1.4.1.1.481.5	Yes	Yes
RT Brachy Treatment Record Storage	1.2.840.10008.5.1.4.1.1.481.6	Yes	Yes

SOP Class Name	SOP Class UID	SCU	SCP
RT Treatment Summary Record Storage	1.2.840.10008.5.1.4.1.1.481.7	Yes	Yes
Standalone Overlay Storage	1.2.840.10008.5.1.4.1.1.8	Yes	Yes
Standalone Curve Storage	1.2.840.10008.5.1.4.1.1.9	Yes	Yes
Standalone Modality LUT Storage	1.2.840.10008.5.1.4.1.1.10	Yes	Yes
Standalone VOI LUT Storage	1.2.840.10008.5.1.4.1.1.11	Yes	Yes
Positron Emission Tomography	1.2.840.10008.5.1.4.1.1.128	Yes	Yes
VL Endoscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.1	Yes	Yes
VL Microscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.2	Yes	Yes
VL Slide Coordinates Microscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.3	Yes	Yes
VL Photographic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.4	Yes	Yes
Hardcopy Grayscale Image Storage	1.2.840.10008.5.1.1.29	Yes	Yes
Hardcopy Color Image Storage	1.2.840.10008.5.1.1.30	Yes	Yes
Multi-Frame Grayscale Byte Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.2	Yes	Yes
Multi-Frame Grayscale Word Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.3	Yes	Yes
Visible Light Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.77.1	Yes	Yes
Visible Light Multi-Frame Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.77.2	Yes	Yes
Nuclear Medicine Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.5	Yes	Yes
12-lead ECG Waveform Storage	1.2.840.10008.5.1.4.1.1.9.1.1	Yes	Yes
General ECG Waveform Storage	1.2.840.10008.5.1.4.1.1.9.1.2	Yes	Yes
Ambulatory ECG Waveform Storage	1.2.840.10008.5.1.4.1.1.9.1.3	Yes	Yes
Hemodynamic Waveform Storage	1.2.840.10008.5.1.4.1.1.9.2.1	Yes	Yes
Cardiac Electrophysiology Waveform Storage	1.2.840.10008.5.1.4.1.1.9.3.1	Yes	Yes
Basic Voice Audio Waveform Storage	1.2.840.10008.5.1.4.1.1.9.4.1	Yes	Yes
Multi-frame Single Bit Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.1	Yes	Yes
Multi-frame True Color Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.4	Yes	Yes
Standalone PET Curve Storage	1.2.840.10008.5.1.4.1.1.129	Yes	Yes
MR Spectroscopy Storage	1.2.840.10008.5.1.4.1.1.4.2	Yes	Yes
Enhanced MR Image Storage	1.2.840.10008.5.1.4.1.1.4.1	Yes	Yes
Raw Data Storage	1.2.840.10008.5.1.4.1.1.66	Yes	Yes
Presentation LUT	1.2.840.10008.5.1.4.1.1.23	Yes	Yes
Key Object Selection Document	1.2.840.10008.5.1.4.1.1.88.59	Yes	Yes
Stored Print Storage	1.2.840.10008.5.1.1.27	Yes	Yes
Encapsulated PDF Storage	1.2.840.10008.5.1.4.1.1.104.1	Yes	Yes
Spatial Registration Storage	1.2.840.10008.5.1.4.1.1.66.1	Yes	Yes
Segmentation Storage	1.2.840.10008.5.1.4.1.1.66.4	Yes	Yes
Enhanced CT Image Storage	1.2.840.10008.5.1.4.1.1.2.1	Yes	Yes
Enhanced XA Image Storage	1.2.840.10008.5.1.4.1.1.12.1.1	Yes	Yes
Enhanced XRF Image Storage	1.2.840.10008.5.1.4.1.1.12.2.1	Yes	Yes

SOP Class Name	SOP Class UID	SCU	SCP
X-Ray 3D Angiographic Image Storage	1.2.840.10008.5.1.4.1.1.13.1.1	Yes	Yes
X-Ray 3D Craniofacial Image Storage	1.2.840.10008.5.1.4.1.1.13.1.2	Yes	Yes
Breast Tomosynthesis Image Storage	1.2.840.10008.5.1.4.1.1.13.1.3	Yes	Yes
Video Endoscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.1.1	Yes	Yes
Video Microscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.2.1	Yes	Yes
Video Photographic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.4.1	Yes	Yes
Ophthalmic Photography 8 Bit Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.1	Yes	Yes
Ophthalmic Photography 16 Bit Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.2	Yes	Yes
Ophthalmic Tomography Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.4	Yes	Yes
Basic Text SR Storage	1.2.840.10008.5.1.4.1.1.88.11	Yes	Yes
Enhanced SR Storage	1.2.840.10008.5.1.4.1.1.88.22	Yes	Yes
Comprehensive SR Storage	1.2.840.10008.5.1.4.1.1.88.33	Yes	Yes
Mammography CAD SR	1.2.840.10008.5.1.4.1.1.88.50	Yes	Yes
Chest CAD SR	1.2.840.10008.5.1.4.1.1.88.65	Yes	Yes
X-Ray Radiation Dose SR Storage	1.2.840.10008.5.1.4.1.1.88.67	Yes	Yes
Study Root Q/R Information Model - MOVE	1.2.840.10008.5.1.4.1.2.2.2	Yes	Yes
Patient/Study Only Q/R Information Model - MOVE	1.2.840.10008.5.1.4.1.2.3.2	Yes	No
Patient Root Q/R Information Model - MOVE	1.2.840.10008.5.1.4.1.2.1.2	Yes	Yes
Study Root Q/R Information Model - FIND	1.2.840.10008.5.1.4.1.2.2.1	Yes	Yes
Patient/Study Only Q/R Information Model - FIND	1.2.840.10008.5.1.4.1.2.3.1	Yes	No
Patient Root Q/R Information Model - FIND	1.2.840.10008.5.1.4.1.2.1.1	Yes	Yes
Basic Grayscale Print Management Meta SOP	1.2.840.10008.5.1.1.9	Yes	No
Basic Color Print Management Meta SOP	1.2.840.10008.5.1.1.18	Yes	No
Print Job	1.2.840.10008.5.1.4.1.1.14	Yes	No
Storage Commitment Push Model SOP Class	1.2.840.10008.1.20.1	Yes	Yes
Modality Performed Procedure Step SOP Class	1.2.840.10008.3.1.2.3.3	Yes	Yes
Basic Study Content Notification	1.2.840.10008.1.9	Yes	No
Instance Availability Notification	1.2.840.10008.5.1.4.33	Yes	No

3.1.2 Association Policies

3.1.2.1 General

The maximum Protocol Data Unit (PDU) size which the Vue PACS uses is 32K bytes.

3.1.2.2 Number of Associations

The number of simultaneous associations accepted by the Vue PACS is configurable and is limited only by the kernel parameters of the underlying TCP/IP implementation. The Vue PACS uses a dedicated process for each connection request it receives. When no idle processes are available, additional processes will be spawned to handle the additional incoming associations. Vue PACS scalable implementation allows configuration of the maximum number of multiple simultaneous associations. There are no inherent limitations on the number of simultaneous associations which the Application Entity represented can maintain. If the number of simultaneous associations exceeds the configured value, the exceeding incoming associations will be delayed.

The number of associations initiated by Vue PACS is dependent on the system load. The maximum number of associations with any particular AE is configurable according to the performed operation (e.g., user loading, backups, background copies, etc.).

3.1.2.3 Asynchronous Nature

Vue PACS only allows a single outstanding operation on an association. Therefore, the Vue PACS does not perform asynchronous operations window negotiation.

3.1.2.4 Implementation Identifying Information

Implementation class	1.2.840.113704.7.0.2
Implementation version name	Dcm Pro-12.0.0.0

3.1.3 Association Initiation Policy

3.1.3.1 Proposed Presentation Contexts Policy

The list of proposed transfer syntaxes is configurable. The use of compressed transfer syntaxes may require additional licensing. For the case when JPEG Lossy transfer syntaxes (*JPEG Baseline (Process 1) 1.2.840.10008.1.2.4.50* and *JPEG Extended (Process 2 & 4) 1.2.840.10008.1.2.4.51*) are configured, each images storage SOP Class will be proposed twice using the same Abstract Syntax in two separate Presentation Context (Multiple Presentation Contexts). Each presentation context shall contain one of the previously mentioned transfer syntaxes. If the remote SCP accepted both presentation contexts, the selected presentation context for the actual C-STORE operation is dependent on the characteristics of the image sent—8 bits allocated images will use the JPEG baseline transfer syntax while all other images will use the JPEG extended transfer syntax.

3.1.3.2 Transfer Syntaxes Configuration

A list of predefined combinations of transfer syntaxes is available for configuration. The transfer syntaxes are offered in the order they appear in the following table.

The private configuration is offering images transfer using a private lossless compression or one of the standard uncompressed transfer syntaxes.

In addition, any combination of transfer syntaxes can be customized according to AE title or SOP class.

Configuration Setting	Transfer Syntax	Configuration Setting	Transfer Syntax
Implicit	1.2.840.10008.1.2	Standard Lossless 2000	1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2
Standard Uncompressed	1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2	Private	1.2.840.113704.7.0.4.2 1.2.840.113704.7.0.4.3 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2
Standard Lossless	1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2	Jpeg Lossy Baseline	1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2
Standard Lossy	1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2	Jpeg Lossy Extended	1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2
RLE Lossless	1.2.840.10008.1.2.5 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2	Jpeg Lossless 1 st Order Prediction	1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2
Jpeg 2000 Both	1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2	Jpeg Lossless Process 14	1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2
Standard Compression 2000	1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2		

3.1.3.2.1 MPEG Transfer Syntaxes

MPEG 2 and MPEG 4 transfer syntaxes can be selected for instances storage (SCU and SCP) of the DICOM server. These transfer syntaxes are offered only as an optional customization and not as a preselected configuration.

Transfer Syntax Name	UID
MPEG2 Main Profile @ Main Level	1.2.840.10008.1.2.4.100
MPEG2 Main Profile @ High Level	1.2.840.10008.1.2.4.101
MPEG-4 AVC/H.264 High Profile / Level 4.1	1.2.840.10008.1.2.4.102
MPEG-4 AVC/H.264 BD-compatible High Profile / Level 4.1	1.2.840.10008.1.2.4.103

Instances stored in MPEG format are supported for storage, retrieve, and display. Conversion from MPEG transfer syntax to other transfer syntaxes is not supported. Retrieval of these instances can only be performed using the same MPEG Transfer Syntax as the one used for the original storage to Vue PACS.

3.1.3.3 Real World Activities

3.1.3.3.1 Remote System Requests Instances Transfer

3.1.3.3.1.1 Description and Sequencing of Activities

A remote system requesting instances transfer from Vue PACS by sending a C-Move command will be served by the DICOM sServer. The Real World activity associated with the C-MOVE command is retrieval of data from the physical storage device and sending it to the destination AE using a C-STORE command over one or more associations. The default maximum number of parallel association used to perform the C-STORE commands is 5 and it is limited by configuration.

3.1.3.3.1.2 Proposed Presentation Contexts List

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
CT Image Storage	1.2.840.10008.5.1.4.1.1.2	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
MR Image Storage	1.2.840.10008.5.1.4.1.1.4	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Nuclear Medicine Image Storage	1.2.840.10008.5.1.4.1.1.20	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
X-Ray Radiofluoroscopic Image Storage	1.2.840.10008.5.1.4.1.1.12.2	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		X-Ray Angiographic Image Storage	1.2.840.10008.5.1.4.1.1.12.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
X-Ray Angiographic Bi-Plane Image Storage	1.2.840.10008.5.1.4.1.1.12.3	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Ultrasound Image Storage (retired)	1.2.840.10008.5.1.4.1.1.6	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Ultrasound Multi-Frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Ultrasound Multi-Frame Image Storage (retired)	1.2.840.10008.5.1.4.1.1.3	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
Computed Radiography Image Storage	1.2.840.10008.5.1.4.1.1.1	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Grayscale Softcopy Presentation State	1.2.840.10008.5.1.4.1.1.11.1	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Color Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.2		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Pseudo-Color Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.3	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Blending Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.4		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Digital X-Ray Image Storage For Presentation	1.2.840.10008.5.1.4.1.1.1.1	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Digital X-Ray Image Storage For Processing	1.2.840.10008.5.1.4.1.1.1.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Digital Mammography X-Ray Image Storage For Presentation	1.2.840.10008.5.1.4.1.1.1.2	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Digital Mammography X-Ray Image Storage For Processing	1.2.840.10008.5.1.4.1.1.1.2.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Digital Intra Oral X-Ray Image Storage For Presentation	1.2.840.10008.5.1.4.1.1.1.3	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Digital Intra Oral X-Ray Image Storage For Processing	1.2.840.10008.5.1.4.1.1.1.3.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
RT Image Storage	1.2.840.10008.5.1.4.1.1.481.1	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		RT Dose Storage	1.2.840.10008.5.1.4.1.1.481.2		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
RT Structure Set Storage	1.2.840.10008.5.1.4.1.1.481.3	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		RT Beams Treatment Record Storage	1.2.840.10008.5.1.4.1.1.481.4		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
RT Plan Storage	1.2.840.10008.5.1.4.1.1.481.5	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		RT Brachy Treatment Record Storage	1.2.840.10008.5.1.4.1.1.481.6		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
RT Treatment Summary Record Storage	1.2.840.10008.5.1.4.1.1.481.7	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Standalone Overlay Storage	1.2.840.10008.5.1.4.1.1.8		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Standalone Curve Storage	1.2.840.10008.5.1.4.1.1.9	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Standalone Modality LUT Storage	1.2.840.10008.5.1.4.1.1.10		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Standalone VOI LUT Storage	1.2.840.10008.5.1.4.1.1.11	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Positron Emission Tomography	1.2.840.10008.5.1.4.1.1.128		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
VL Endoscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.1	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		VL Microscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.2		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
VL Slide Coordinates Microscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.3	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		VL Photographic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.4		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Hardcopy Grayscale Image Storage	1.2.840.10008.5.1.1.29	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Hardcopy Color Image Storage	1.2.840.10008.5.1.1.30		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Multi-Frame Grayscale Byte Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.2	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
Multi-Frame Grayscale Word Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.3	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Visible Light Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.77.1	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Visible Light Multi-Frame Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.77.2		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Nuclear Medicine Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.5	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		12-lead ECG Waveform Storage	1.2.840.10008.5.1.4.1.1.9.1.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
General ECG Waveform Storage	1.2.840.10008.5.1.4.1.1.9.1.2	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Ambulatory ECG Waveform Storage	1.2.840.10008.5.1.4.1.1.9.1.3		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Hemodynamic Waveform Storage	1.2.840.10008.5.1.4.1.1.9.2.1	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Cardiac Electrophysiology Waveform Storage	1.2.840.10008.5.1.4.1.1.9.3.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Basic Voice Audio Waveform Storage	1.2.840.10008.5.1.4.1.1.9.4.1	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
Multi-frame Single Bit Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.1	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Multi-frame True Color Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.4	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Standalone PET Curve Storage	1.2.840.10008.5.1.4.1.1.129		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
MR Spectroscopy Storage	1.2.840.10008.5.1.4.1.1.4.2	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Enhanced MR Image Storage	1.2.840.10008.5.1.4.1.1.4.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Raw Data Storage	1.2.840.10008.5.1.4.1.1.66	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Presentation LUT	1.2.840.10008.5.1.4.1.1.23		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Key Object Selection Document	1.2.840.10008.5.1.4.1.1.88.59	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Stored Print Storage	1.2.840.10008.5.1.1.27		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Encapsulated PDF Storage	1.2.840.10008.5.1.4.1.1.104.1	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Spatial Registration Storage	1.2.840.10008.5.1.4.1.1.66.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Segmentation Storage	1.2.840.10008.5.1.4.1.1.66.4	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Enhanced CT Image Storage	1.2.840.10008.5.1.4.1.1.2.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Enhanced XA Image Storage	1.2.840.10008.5.1.4.1.1.12.1.1	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Enhanced XRF Image Storage	1.2.840.10008.5.1.4.1.1.12.2.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
X-Ray 3D Angiographic Image Storage	1.2.840.10008.5.1.4.1.1.13.1.1	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		X-Ray 3D Craniofacial Image Storage	1.2.840.10008.5.1.4.1.1.13.1.2		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Breast Tomosynthesis Image Storage	1.2.840.10008.5.1.4.1.1.13.1.3	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Video Endoscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.1.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Video Microscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.2.1	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Video Photographic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.4.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Ophthalmic Photography 8 Bit Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.1	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Ophthalmic Photography 16 Bit Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.2		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Ophthalmic Tomography Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.4	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Basic Text SR Storage	1.2.840.10008.5.1.4.1.1.88.11		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Enhanced SR Storage	1.2.840.10008.5.1.4.1.1.88.22	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Comprehensive SR Storage	1.2.840.10008.5.1.4.1.1.88.33		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Mammography CAD SR	1.2.840.10008.5.1.4.1.1.88.50	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Chest CAD SR	1.2.840.10008.5.1.4.1.1.88.65		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
X-Ray Radiation Dose SR Storage	1.2.840.10008.5.1.4.1.1.88.67	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		

3.1.3.3.2 Request for Studies on Secondary Devices

3.1.3.3.2.1 Description and Sequencing of Activities

DICOM requests from remote systems or from Vue PACS workstation users for studies that were backed up on secondary image repositories require the Vue PACS to retrieve the study from the backup archive. For this Real World activity, Vue PACS will associate with that AE and request C-MOVE commands to the secondary AE. There are no timeouts implemented in this process.

3.1.3.3.2 Proposed Presentation Contexts List

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Study Root Query/Retrieve Information Model – MOVE	1.2.840.10008.5.1.4.1.2.2.2	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
Patient/Study Only Query/Retrieve Information Model – MOVE	1.2.840.10008.5.1.4.1.2.3.2	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
Patient Root Query/Retrieve Information Model – MOVE	1.2.840.10008.5.1.4.1.2.1.2	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		

3.1.3.3.3 Remote System Requests Storage Commitment

3.1.3.3.3.1 Description and Sequencing of Activities

A remote system requesting storage commitment from Vue PACS by sending an N-Action command that will be served by the DICOM server. The Real World activity associated with the Storage Commitment N-ACTION command is verification that referenced data exists in Vue PACS and issuing back a storage commitment N-EVENT-REPORT over the same association or a new association, according to configured settings. The DICOM server role in this transaction would be SCP, but both SCU and SCP roles are offered during the association request.

3.1.3.3.3.2 Proposed Presentation Contexts List

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Storage Commitment Push Model	1.2.840.10008.1.20.1	Implicit VR Little	1.2.840.10008.1.2	Both	Role neg.
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		

3.1.3.3.4 Remote Modality Sends MPPS

3.1.3.3.4.1 Description and Sequencing of Activities

A remote acquisition modality issuing MPPS messages to Vue PACS by sending N-CREATE and N-SET commands will be served by the Data-Router. The Real World activity associated with the Modality Performed Procedure Step N-CREATE command is processing the received message and forwarding the request to the System Scheduler by issuing MPPS N-CREATE and MPPS N-SET on a new association.

3.1.3.3.4.2 Proposed Presentation Contexts List

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Modality Performed Procedure Step	1.2.840.10008.3.1.2.3.3	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		

3.1.3.3.5 Study Storage Completed – RIS Update

3.1.3.3.5.1 Description and Sequencing of Activities

When a remote acquisition modality has completed storing a study, the Vue PACS Data-Router will send Study Content Notification or Instance Availability Notification (according to configuration) to the RIS/Information System by sending C-STORE command for Study Content Notification or N-CREATE command for Study Instance Availability. The Real World activity associated with these two commands is the processing of internal event Whole Study Arrived and issuing a new association to the information system and sending the configured command.

3.1.3.3.5.2 Proposed Presentation Contexts List

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Basic Study Content Notification	1.2.840.10008.1.9	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
Instance Availability Notification	1.2.840.10008.5.1.4.33	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		

3.1.3.3.6 Vue PACS Workstation Requests Operation from Remote System

3.1.3.3.6.1 Description and Sequencing of Activities

Users of Vue PACS Client applications can perform operations on remote systems, such as query, studies loading, save of selected images, or reconstructions and printing. The Vue PACS Client application communicates with the Vue PACS using a proprietary interface and the Vue PACS provides the DICOM interface towards the remote systems. The DICOM commands performed by the Vue PACS on behalf of its clients are C-FIND, C-MOVE, C-STORE for query, load and save, respectively, and N-ACTION, N-CREATE, and N_DELETE for printing. Multiple operations can be performed over the same association.

3.1.3.3.6.2 Proposed Presentation Contexts List

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Study Root Query/Retrieve Information Model - FIND	1.2.840.10008.5.1.4.1.2.2.1	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
Patient/Study Only Query/Retrieve Information Model - FIND	1.2.840.10008.5.1.4.1.2.3.1	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
Study Root Query/Retrieve Information Model - MOVE	1.2.840.10008.5.1.4.1.2.2.2	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
Patient/Study Only Query/Retrieve Information Model - MOVE	1.2.840.10008.5.1.4.1.2.3.2	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
Basic Grayscale Print Management Meta SOP	1.2.840.10008.5.1.1.9	Implicit VR Little	1.2.840.10008.1.2	SCU	Meta SOP class
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
Basic Color Print Management Meta SOP	1.2.840.10008.5.1.1.18	Implicit VR Little	1.2.840.10008.1.2	SCU	Meta SOP class
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
Print Job	1.2.840.10008.5.1.4.1.1.14	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
CT Image Storage	1.2.840.10008.5.1.4.1.1.2	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		MR Image Storage	1.2.840.10008.5.1.4.1.1.4		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Nuclear Medicine Image Storage	1.2.840.10008.5.1.4.1.1.20	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
X-Ray Radiofluoroscopic Image Storage	1.2.840.10008.5.1.4.1.1.12.2	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		X-Ray Angiographic Image Storage	1.2.840.10008.5.1.4.1.1.12.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
X-Ray Angiographic Bi-Plane Image Storage	1.2.840.10008.5.1.4.1.1.12.3	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6.1	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Ultrasound Image Storage (retired)	1.2.840.10008.5.1.4.1.1.6	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Ultrasound Multi-Frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Ultrasound Multi-Frame Image Storage (retired)	1.2.840.10008.5.1.4.1.1.3	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
Computed Radiography Image Storage	1.2.840.10008.5.1.4.1.1.1	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Grayscale Softcopy Presentation State	1.2.840.10008.5.1.4.1.1.11.1	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
Digital X-Ray Image Storage For Presentation	1.2.840.10008.5.1.4.1.1.1.1	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Digital X-Ray Image Storage For Processing	1.2.840.10008.5.1.4.1.1.1.1.1	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Digital Mammography X-Ray Image Storage For Presentation	1.2.840.10008.5.1.4.1.1.1.2		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Digital Mammography X-Ray Image Storage For Processing	1.2.840.10008.5.1.4.1.1.1.2.1	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Digital Intra Oral X-Ray Image Storage For Presentation	1.2.840.10008.5.1.4.1.1.1.3		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Digital Intra Oral X-Ray Image Storage For Processing	1.2.840.10008.5.1.4.1.1.1.3.1	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		RT Image Storage	1.2.840.10008.5.1.4.1.1.481.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Positron Emission Tomography	1.2.840.10008.5.1.4.1.1.128	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		VL Endoscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
VL Microscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.2	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		VL Slide Coordinates Microscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.3		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
VL Photographic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.4	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Multi-Frame Grayscale Byte Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.2		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Multi-Frame Grayscale Word Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.3	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Visible Light Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.77.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Visible Light Multi-Frame Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.77.2	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Nuclear Medicine Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.5		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Multi-frame True Color Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.4	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		MR Spectroscopy Storage	1.2.840.10008.5.1.4.1.1.4.2		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Enhanced MR Image Storage	1.2.840.10008.5.1.4.1.1.4.1	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Enhanced CT Image Storage	1.2.840.10008.5.1.4.1.1.2.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Enhanced XA Image Storage	1.2.840.10008.5.1.4.1.1.12.1.1	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Enhanced XRF Image Storage	1.2.840.10008.5.1.4.1.1.12.2.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
X-Ray 3D Angiographic Image Storage	1.2.840.10008.5.1.4.1.1.13.1.1	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		X-Ray 3D Craniofacial Image Storage	1.2.840.10008.5.1.4.1.1.13.1.2		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Breast Tomosynthesis Image Storage	1.2.840.10008.5.1.4.1.1.13.1.3	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Video Endoscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.1.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Video Microscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.2.1	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Video Photographic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.4.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Ophthalmic Photography 8 Bit Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.1	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Ophthalmic Photography 16 Bit Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.2		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Ophthalmic Tomography Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.4	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		

3.1.3.3.7 Vue PACS Requests Storage Commitment from Remote Archive

3.1.3.3.7.1 Description and Sequencing of Activities

According to the configuration setting, Vue PACS will issue storage commitment N-ACTION requests after performing a successful backup towards the backup archive device. Instances will be considered backed up on the archiving device, only after a successful storage commitment N-EVENT-REPORT will be issued by that device. If no reply has been received within a configurable timeout (default value 180 minutes), the backup will be considered failed, and the instances will be backed up again a new N-Action storage commitment request will be issued. The remote archive reply (N- EVENT-REPORT) should be issued over a new association. The associated real work activity is validating that a remote backup device has succesfully completed the stored instances backup and is committing for the received instances data.

3.1.3.3.7.2 Proposed Presentation Contexts List

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Storage Commitment Push Model	1.2.840.10008.1.20.1	Implicit VR Little	1.2.840.10008.1.2	SCU	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		

3.1.3.4 SOP Specific Conformance

3.1.3.4.1 FIND SOP Classes

Vue PACS provides standard conformance to the DICOM V3.0 Query/Retrieve-FIND Service Class as an SCU for the following SOP Class.

Study Root Query/Retrieve Information Model – FIND, UID=1.2.840.10008.5.1.4.1.2.2.1 and Patient/Study Only Query/Retrieve Information Model – FIND 1.2.840.10008.5.1.4.1.2.3.1.

Vue PACS supports query keys as defined in PS 3.4 - 2008 sections C.6.1.1, C.6.2.1 and PS 3.4 - 2004 C.6.3.1.

3.1.3.4.2 MOVE SOP Classes

Vue PACS Load Manager provides standard conformance to the DICOM V3.0 Query/Retrieve-MOVE Service Class as an SCU for the following SOP Class: Study Root Query/Retrieve Information Model – MOVE, UID=1.2.840.10008.5.1.4.1.2.2.2 and Patient/Study Only Query/Retrieve Information Model – MOVE 1.2.840.10008.5.1.4.1.2.3.2. The Vue PACS DICOM server provides additional standard conformance for the following SOP Class: Patient Root Q/R Information Model – MOVE 1.2.840.10008.5.1.4.1.2.1.2.

3.1.3.4.3 STORAGE SOP Classes

Vue PACS provides standard conformance to the DICOM V3.0 Storage Service Class as an SCU for the SOP classes in Section [3.1.3.3.1.2 Proposed Presentation Contexts List](#). In addition, the system can be configured to support additional standard or privately defined storage SOP classes.

Multiple C-STORE operations can be performed over a single association.

Upon receiving a C-STORE confirmation containing a successful status, this implementation will perform the next C-STORE operation. The association will be maintained if possible.

If lossy image compression is applied to the image (i.e., the (7FE0, 0010) Pixel Data attribute is modified) just prior to its storage, due to selection of lossy transfer syntax during the association, then the following additional attributes are also modified:

- (0028, 2110) Lossy Image Compression—The value is set to 01.
- (0028, 2112) Lossy Image Compression Ratio—The resulting Image Compression Ratio is appended to this list of values.
- (0028,2114) Lossy Image Compression Method—One of the following values is appended to the list of values:

Compression Type	ISO Code
JPEG Lossy Baseline	ISO_10918_1
JPEG Lossy Extended	ISO_10918_1
Jpeg 2000 Irreversible	ISO_15444_1

3.1.3.4.4 Grayscale Presentation State SOP Class

The Vue PACS provides standard conformance to the DICOM V3.0 Grayscale Presentation State as an SCU. All the monochrome Image Storage SOP classes in Section [3.1.3.3.6.2 Proposed Presentation Contexts List](#) are supported as referenced instances of Grayscale Softcopy Presentation State.

3.1.3.4.5 Basic Grayscale Print Management Meta SOP Class

Print Client provides standard conformance as an SCU to the DICOM V3.0 Basic Grayscale Print Management Meta SOP Class, UID=1.2.840.10008.5.1.1.9, which consists of the following SOP Classes:

- Basic Film Session, UID=1.2.840.10008.5.1.1.1.
- Basic Film Box, UID=1.2.840.10008.5.1.1.2.
- Basic Grayscale Image Box, UID=1.2.840.10008.5.1.1.4.
- Printer, UID=1.2.840.10008.5.1.1.16.

3.1.3.4.6 Basic Color Print Management Meta SOP Class

Print Client provides standard conformance as an SCU to the DICOM V3.0 Basic Color Print Management Meta SOP Class, UID=1.2.840.10008.5.1.1.18, which consists of the following SOP Classes:

- Basic Film Session, UID=1.2.840.10008.5.1.1.1.
- Basic Film Box, UID=1.2.840.10008.5.1.1.2.
- Basic Color Image Box, UID=1.2.840.10008.5.1.1.4.1.
- Printer, UID=1.2.840.10008.5.1.1.16.

3.1.3.4.7 Print Job SOP Class

Print Client provides standard conformance as an SCU to the DICOM V3.0 Print Job SOP Class, UID=1.2.840.10008.5.1.1.14.

3.1.3.4.8 Storage Commitment SOP Class

The Vue PACS provides standard conformance to the DICOM V3.0 Storage Commitment Push Model Sop Class as an SCU, UID=1.2.840.10008.1.20.1.

3.1.4 Association Acceptance Policy

The Vue PACS enables by default 20 simultaneous connections to its DICOM server. These values are configurable and can be changed according environment requirement and to hardware platform used. In addition, the Vue PACS allows an unlimited number of incoming associations to the Load Manager, which is responsible for the retrieval of studies from remote systems to Vue PACS Client viewing applications.

The Vue PACS may reject association in the following cases:

- The Called AE (Vue PACS AE) is incorrect.
- The Calling AE is requesting the association is opening the TCP/IP connection from an unauthorized IP address.

In these cases, the rejection result will be 1 (rejected-permanent) and the reason will be 7 (called-AE-title-not-recognized) for the first case and 3 (calling-AE-title-not-recognized) for the second case.

3.1.4.1 Presentation Context Acceptance Policy

If offered a choice of transfer syntax encodings in a presentation context, Vue PACS will accept the first transfer syntax matching between the transfer syntaxes proposed by the remote system and the list of acceptable transfer syntax configured. The options of transfer syntaxes configuration and their priority is the same as in Section [3.1.3.2 Transfer Syntaxes Configuration](#). The order of the explicit little transfer syntax and explicit big transfer syntax is switched on Sun, Sparc platform. The configuration setting of the Standard Lossy transfer syntaxes for the DICOM server also allows acceptance of lossless JPEG transfer syntaxes.

3.1.4.2 Real World Activities

3.1.4.2.1 Remote System Requires Verification

3.1.4.2.1.1 Description and Sequencing of Activities

A remote system requests verification from the Vue PACS DICOM server or from the Load Manager using the C-ECHO command.

3.1.4.2.1.2 Accepted Presentation Contexts

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Verification	1.2.840.10008.1.1	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		

3.1.4.2.1.3 SOP Specific Conformance for Verification SOP Class

Vue PACS AEs provides standard conformance to the DICOM V3.0 Verification Service Class as an SCP for the Verification SOP Class, UID=1.2.840.10008.1.1.

3.1.4.2.2 Remote System Requests Instances Storage

3.1.4.2.2.1 Description and Sequencing of Activities

A remote SCU system requests instances storage (images, KOS, PR, SR) into the DICOM server or the Portable Media Manager by using the C-STORE command. The Real World activity associated with the C-STORE operation is the storage of the received instances in the archive. The DICOM server or the Portable Media Manager will issue a failure status if unable to store the object in the archive.

3.1.4.2.2.2 Accepted Presentation Contexts

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
CT Image Storage	1.2.840.10008.5.1.4.1.1.2	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
MR Image Storage	1.2.840.10008.5.1.4.1.1.4	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Nuclear Medicine Image Storage	1.2.840.10008.5.1.4.1.1.20	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
X-Ray Radiofluoroscopic Image Storage	1.2.840.10008.5.1.4.1.1.12.2	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		X-Ray Angiographic Image Storage	1.2.840.10008.5.1.4.1.1.12.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
X-Ray Angiographic Bi-Plane Image Storage	1.2.840.10008.5.1.4.1.1.12.3	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6.1	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Ultrasound Image Storage (retired)	1.2.840.10008.5.1.4.1.1.6	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
Ultrasound Multi-Frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Ultrasound Multi-Frame Image Storage (retired)	1.2.840.10008.5.1.4.1.1.3	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
Computed Radiography Image Storage	1.2.840.10008.5.1.4.1.1.1	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Grayscale Softcopy Presentation State	1.2.840.10008.5.1.4.1.1.11.1	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Color Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.2		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Pseudo-Color Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.3	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Blending Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.4		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Digital X-Ray Image Storage For Presentation	1.2.840.10008.5.1.4.1.1.1.1	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Digital X-Ray Image Storage For Processing	1.2.840.10008.5.1.4.1.1.1.1.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Digital Mammography X-Ray Image Storage For Presentation	1.2.840.10008.5.1.4.1.1.1.2	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Digital Mammography X-Ray Image Storage For Processing	1.2.840.10008.5.1.4.1.1.1.2.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Digital Intra Oral X-Ray Image Storage For Presentation	1.2.840.10008.5.1.4.1.1.1.3	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Digital Intra Oral X-Ray Image Storage For Processing	1.2.840.10008.5.1.4.1.1.1.3.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
RT Image Storage	1.2.840.10008.5.1.4.1.1.481.1	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		RT Dose Storage	1.2.840.10008.5.1.4.1.1.481.2		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
RT Structure Set Storage	1.2.840.10008.5.1.4.1.1.481.3	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		RT Beams Treatment Record Storage	1.2.840.10008.5.1.4.1.1.481.4		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
RT Plan Storage	1.2.840.10008.5.1.4.1.1.481.5	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		RT Brachy Treatment Record Storage	1.2.840.10008.5.1.4.1.1.481.6		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
RT Treatment Summary Record Storage	1.2.840.10008.5.1.4.1.1.481.7	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Standalone Overlay Storage	1.2.840.10008.5.1.4.1.1.8		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Standalone Curve Storage	1.2.840.10008.5.1.4.1.1.9	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Standalone Modality LUT Storage	1.2.840.10008.5.1.4.1.1.10		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Standalone VOI LUT Storage	1.2.840.10008.5.1.4.1.1.11	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Positron Emission Tomography	1.2.840.10008.5.1.4.1.1.128		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
VL Endoscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.1	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		VL Microscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.2		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
VL Slide Coordinates Microscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.3	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		VL Photographic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.4		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Hardcopy Grayscale Image Storage	1.2.840.10008.5.1.1.29	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
Hardcopy Color Image Storage	1.2.840.10008.5.1.1.30	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Multi-Frame Grayscale Byte Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.2	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
Multi-Frame Grayscale Word Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.3	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Visible Light Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.77.1	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Visible Light Multi-Frame Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.77.2		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Nuclear Medicine Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.5	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
12-lead ECG Waveform Storage	1.2.840.10008.5.1.4.1.1.9.1.1	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
General ECG Waveform Storage	1.2.840.10008.5.1.4.1.1.9.1.2	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Ambulatory ECG Waveform Storage	1.2.840.10008.5.1.4.1.1.9.1.3		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Hemodynamic Waveform Storage	1.2.840.10008.5.1.4.1.1.9.2.1	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Cardiac Electrophysiology Waveform Storage	1.2.840.10008.5.1.4.1.1.9.3.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Basic Voice Audio Waveform Storage	1.2.840.10008.5.1.4.1.1.9.4.1	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Multi-frame Single Bit Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Multi-frame True Color Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.4	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Standalone PET Curve Storage	1.2.840.10008.5.1.4.1.1.129		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
MR Spectroscopy Storage	1.2.840.10008.5.1.4.1.1.4.2	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Enhanced MR Image Storage	1.2.840.10008.5.1.4.1.1.4.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Raw Data Storage	1.2.840.10008.5.1.4.1.1.66	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
Presentation LUT	1.2.840.10008.5.1.4.1.1.23	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Key Object Selection Document	1.2.840.10008.5.1.4.1.1.88.59	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Stored Print Storage	1.2.840.10008.5.1.1.27		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Encapsulated PDF Storage	1.2.840.10008.5.1.4.1.1.104.1	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Spatial Registration Storage	1.2.840.10008.5.1.4.1.1.66.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Segmentation Storage	1.2.840.10008.5.1.4.1.1.66.4	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Enhanced CT Image Storage	1.2.840.10008.5.1.4.1.1.2.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Enhanced XA Image Storage	1.2.840.10008.5.1.4.1.1.12.1.1	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Enhanced XRF Image Storage	1.2.840.10008.5.1.4.1.1.12.2.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
X-Ray 3D Angiographic Image Storage	1.2.840.10008.5.1.4.1.1.13.1.1	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		X-Ray 3D Craniofacial Image Storage	1.2.840.10008.5.1.4.1.1.13.1.2		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Breast Tomosynthesis Image Storage	1.2.840.10008.5.1.4.1.1.13.1.3	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Video Endoscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.1.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Video Microscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.2.1	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Video Photographic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.4.1		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Ophthalmic Photography 8 Bit Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.1	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
Ophthalmic Photography 16 Bit Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.2	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Ophthalmic Tomography Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.4	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Basic Text SR Storage	1.2.840.10008.5.1.4.1.1.88.11		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Enhanced SR Storage	1.2.840.10008.5.1.4.1.1.88.22	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Comprehensive SR Storage	1.2.840.10008.5.1.4.1.1.88.33		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Mammography CAD SR	1.2.840.10008.5.1.4.1.1.88.50	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		
		Chest CAD SR	1.2.840.10008.5.1.4.1.1.88.65		
Explicit VR Little	1.2.840.10008.1.2.1				
Explicit VR Big	1.2.840.10008.1.2.2				
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 (Process 14)	1.2.840.10008.1.2.4.57				
JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70				
JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90				
JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91				
RLE Lossless	1.2.840.10008.1.2.5				

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
X-Ray Radiation Dose SR Storage	1.2.840.10008.5.1.4.1.1.88.67	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
		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 (Process 14)	1.2.840.10008.1.2.4.57		
		JPEG Lossless, Non-Hierarchical, First-Order Prediction	1.2.840.10008.1.2.4.70		
		JPEG 2000 Image Compression (Lossless Only)	1.2.840.10008.1.2.4.90		
		JPEG 2000 Image Compression	1.2.840.10008.1.2.4.91		
		RLE Lossless	1.2.840.10008.1.2.5		

3.1.4.2.2.3 SOP Class Conformance for Storage SOP Classes

Vue PACS conforms to the SOPs of the Storage Service Class at Level 2 (Full). Additional storage conformance as an SCP can be configured, either for private or for new standard SOP classes.

In case of a successful C-STORE, the stored image may be accessed by the DICOM server.

The duration of the storage is dependent on user configuration of the Auto Delete mechanism, which can optionally be invoked. The Auto Delete component periodically cleans the online storage layer. Implicitly, it removes from the online storage those studies which are least likely to be needed. To achieve this goal, it is governed by a configurable set of rules. The Auto Delete process is triggered by prescheduled configurable timing, on the condition that the available free online space has reached a (user-defined) red zone threshold. It will clean up the online storage until the free space on it reaches another (user-defined) green zone threshold. This mechanism is optional and is controlled by user configurable parameters.

The DICOM server will not coerce any attribute except for the following: pixel data (0x7FE0, 0x0010) of type OW is converted to OB when bits allocated (0x0028, 0x0100) tag has a value of 8.

If the DICOM server returns one of the following status codes, it means that the C-STORE has been unsuccessful:

Service Status	Further Meaning	Status Codes	Reason
Refused	General refusal status	A700	
Failure	General failure status	C000	

3.1.4.2.2.4 SOP Specific Conformance for Grayscale Presentation State Storage SOP Class

Vue PACS provides standard conformance to the DICOM V3.0 Grayscale Presentation State as an SCP. The monochrome Image Storage SOP classes in Section [3.1.4.2.2.2 Accepted Presentation Contexts](#) may be referenced by instances of Grayscale Softcopy Presentation State.

3.1.4.2.3 Remote System Requests Instances Transfer

3.1.4.2.3.1 Description and Sequencing of Activities

A remote system requests instances transfer to the Load Manager, as a result of a C-MOVE command issued by the Load Manager. The Real World activity associated with the C-STORE operation is the storage of the image in the memory of the system upon which Load Manager is running.

The Load Manager will issue a failure status if it is unable to store the image in the memory.

3.1.4.2.3.2 Accepted Presentation Contexts

The list of accepted presentation contexts is the same as in Section [3.1.4.2.2.2 Accepted Presentation Contexts](#).

3.1.4.2.3.3 SOP Specific Conformance for Storage SOP classes

Loader Server-Side conforms to the SOPs of the Storage Service Class at Level 2 (Full).

The user determines the duration of the storage.

The Load Manager returns one of the following status codes when it cannot perform the C-STORE operation:

Service Status	Further Meaning	Status Codes	Reason
Refused	General refusal status	A700	
Failure	General failure status	C000	
Cancel	Cancel remaining C-Store operations	FE00	The stored instances have not been requested

3.1.4.2.4 Remote System Requests Instances Transfer

3.1.4.2.4.1 Description and Sequencing of Activities

A remote SCU requests instances transfer from the DICOM server to a remote destination using the C-MOVE command. The Real World activity associated with the C-MOVE command is retrieval of images from the archive and storage of the images to the destination remote system using a C-STORE command. The DICOM server will issue a failure status if it is unable to process the command. Additionally, if the DICOM server is unable complete successfully the C-STORE operation will issue a failure status if it in the archive.

3.1.4.2.4.2 Accepted Presentation Contexts

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Study Root Query/Retrieve Information Model - MOVE	1.2.840.10008.5.1.4.1.2.2.2	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
Patient Root Query/Retrieve Information Model - MOVE	1.2.840.10008.5.1.4.1.2.1.2	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		

3.1.4.2.4.3 SOP Specific Conformance – C-MOVE

The DICOM server provides standard conformance to the DICOM V3.0 Query/Retrieve Service Class as an SCP for the following SOP Classes:

Patient Root Query/Retrieve Information Model - MOVE, UID=1.2.840.10008.5.1.4.1.2.1.2

Study Root Query/Retrieve Information Model - MOVE, UID=1.2.840.10008.5.1.4.1.2.2.2

Prioritizing of C-MOVE requests is not supported.

The DICOM server does not support relational C-MOVE requests.

Multiple C-STORE operations can be performed over a single association. According to configuration, the DICOM server may issue several parallel associations that will be used to complete the storage operations.

Any premature termination of the C-STORE association will result in the ending of the C-MOVE operation.

If the DICOM server was unsuccessful in completing the C-MOVE command ,it will return one of the following status codes:

Service Status	Status Codes	Reason
Refused	A801	Move destination unknown
Refused	A700	-
Warning	B000	Sub operations complete—One or more failures
Failure	C003	Single instance retrieval failure
Failure	C000	-
Failure	C500	Archive does not contain requested data
Failure	C501	Requested data cannot be obtained from archive
Failure	C502	Move destination unreachable
Failure	C503	Move destination rejected association
Failure	C504	Store operation to move destination failed

3.1.4.2.5 Remote System Initiates Query Request

3.1.4.2.5.1 Description and Sequencing of Activities

A remote system initiates a query request using a C-FIND command. The Real World activity associated with the C-FIND command is an examination of the archive content. The DICOM server will issue a failure status if it is unable to process the query request.

3.1.4.2.5.2 Accepted Presentation Contexts

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Study Root Query/Retrieve Information Model – FIND	1.2.840.10008.5.1.4.1.2.2.1	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		
Patient Root Query/Retrieve Information Model – FIND	1.2.840.10008.5.1.4.1.2.1.1	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		

3.1.4.2.5.3 SOP Specific Conformance – C-FIND

The DICOM server provides standard conformance to the DICOM V3.0 Query/Retrieve Service Classes as an SCP for the following SOP Class:

Patient Root Query/Retrieve Information Model – FIND, UID=1.2.840.10008.5.1.4.1.2.1.1

Study Root Query/Retrieve Information Model – FIND, UID=1.2.840.10008.5.1.4.1.2.2.1

The Vue PACS DICOM server does not support Relational Search.

All Required keys (R) and Unique keys (U) defined by the DICOM standard, at Patient, Study, Series and Image level keys for the Patient Root and Study Root Query/Retrieve Information Models are supported. The Vue PACS DICOM server also supports the following optional keys:

Patient Level:

- Patient Birth Date (0010, 0030)
- Patient Sex (0010, 0040)
- Issuer of Patient ID (0010, 0021)
- Other Patient IDs Sequence (0010, 1002)
- Number of Patient Related Studies (0020, 1200)
- Number of Patient Related Series (0020, 1202)
- Number of Patient Related Images (0020, 1204)

Study Level:

- Referring Physician's Name (0008, 0090)
- Number of Study Related Series (0020, 1206)
- Number of Study Related Images (0020, 1208)
- Modalities in Study (0008, 0061)
- Study Description (0008, 1030)
- All Patient level tags

Series Level:

- Series Date (0008, 0021)
- Series Time (0008, 0031)
- Number of Series Related Images (0020, 1209)
- Body Part Examined (0018, 0015)
- Repetition Time (0018, 0080)
- Series Description (0008, 103E)

Image Level:

- Frame Of Reference UID (0020, 0052)
- SOP Class UID (0008, 0016)
- Image Date (0008, 0023)
- Image Time (0008, 0033)
- Image Type (0008, 0008)
- Slice Location (0020, 1041)
- Rows (0028, 0010)
- Columns (0028, 0011)
- Contrast Bolus Agent (0018, 0010)
- Scan Options (0018, 0022)

- Icon Image (0088, 0200)
- Instance Creation Date (0008, 0012)
- Instance Creation Time (0008, 0013)
- Creation Date (2100, 0040)
- Creation Time (2100, 0050)
- Bits Allocated (0028, 0100)
- Samples Per Pixel (0028, 0002)
- Number of Frames (0028, 0008)
- Sequence Name (0018, 0024)
- Trigger Time (0018, 1060)
- Echo Number (0018, 0086)
- Echo Time (0018, 0081)
- Echo Train Length (0018, 0091)
- Inversion Time (0018, 0082)
- Scanning Sequence (0018, 0020)
- Sequence Variant (0018, 0021)
- MR Acquisition type (0018, 0023)

Support of Key Image Notes Keys:

Attribute Name	Tag	Query Keys Matching	Query Keys Returned
Content Date	(0008, 0023)	-	+
Content Time	(0008, 0033)	-	+
Observation Date Time	(0040, A032)	-	+
Referenced Request Sequence	(0040, A370)	-	+
>Study Instance UID	(0020, 000D)	-	+
>Accession Number	(0008, 0050)	-	+
>Requested Procedure ID	(0040, 1000)	-	+
>Requested Procedure Code	(0032, 1064)	-	+
Sequence			

Attribute Name	Tag	Query Keys Matching	Query Keys Returned
>>Code Value	(0008, 0100)	-	+
>>Coding Scheme Designator	(0008, 0102)	-	+
>>Coding Scheme Version	(0008, 0103)	-	+
>>Code Meaning	(0008, 0104)	-	+
Concept Name Code Sequence	(0040, A043)	+	+
>Code Value	(0008, 0100)	+	+
>Coding Scheme Designator	(0008, 0102)	+	+
>Coding Scheme Version	(0008, 0103)	-	+
>Code Meaning	(0008, 0104)	-	+

Unsupported fields will not be returned in the C-FIND response.

C-FIND-CANCEL is supported. However, some C-FIND responses may be forwarded before the C-FIND-CANCEL takes effect.

If the DICOM server returns one of the following status codes, it means that the C-FIND has been unsuccessful.

Service Status	Further Meaning	Status Codes	Reason
Refused	Refusal status	A700	—
Warning	General warning status	B000	—
Failure	General failure status	C000	—

3.1.4.2.6 Remote System Performed Procedure Step

3.1.4.2.6.1 Description and Sequencing of Activities

The MPPS Manager supports forwarding messages to two different destinations. It starts issuing messages to the configured destinations immediately after it accepts the corresponding messages from the acquisition modality.

- An acquisition modality informs the Performed Procedure Step Manager that a particular Performed Procedure Step has started through the MPPS-N-CREATE service.
- An acquisition modality informs the Performed Procedure Step Manager that a particular Performed Procedure Step is completed through the MPPS-N-SET service.

The Real World activity associated with the MPPS-N-CREATE and MPPS-N-SET commands, is triggered by the acquisition modality. The MPPS Manager will forward the MPPS information as an SCU to the Order Filler/System Scheduler and optionally to the report manager.

3.1.4.2.6.2 Accepted Presentation Contexts

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Modality Performed Procedure Step	1.2.840.10008.3.1.2.3.3	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		

3.1.4.2.6.3 SOP Specific Conformance – Modality Performed Procedure Step SOP Class

The MPPS Manager provides standard conformance to the DICOM V3.0 Performed Procedure Step Service Class as an SCP for the following SOP Class.

Modality Performed Procedure Step, UID=1.2.840.10008.3.1.2.3.3

MPPS Manager receives MPPS-N-CREATE and MPPS-N-SET and acts as SCU to send them to the Order Filler/System Scheduler.

The MPPS Manager will return one of the following status codes if the service request is unsuccessful.

Service Status	Status Codes	Reason
Refused	A700	-
Warning	B000	-
Failure	C000	-

PPS exception management is not supported.

3.1.4.2.7 Remote System Requests Storage Commitment

3.1.4.2.7.1 Description and Sequencing of Activities

An acquisition modality makes requests for storage commitment to the DICOM server for the images, Presentation States, and Key Image Notes previously stored. The DICOM server receives Storage Commitment request through N-ACTION command, verifies that the stored object resides on the archive and responds with Storage Commitment N-EVENT-REPORT to the acquisition modality.

3.1.4.2.7.2 Accepted Presentation Contexts

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Storage Commitment Push Model	1.2.840.10008.1.20.1	Implicit VR Little	1.2.840.10008.1.2	SCP	None
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		

3.1.4.2.7.3 SOP Specific Conformance—Storage Commitment

The DICOM server provides standard conformance to the DICOM V3.0 Storage Commitment Service Class as an SCP for the following SOP Class:
Storage Commitment Push Model, UID=1.2.840.10008.1.20.1

Under normal circumstances, in the event that the DICOM server cannot service the storage commitment request, it responds with the following status code.

Event Type Name	Event Type ID	Attribute Name	Tag	Value	Reason
Storage Commitment request Complete - Failures Exist	2	Failure	(0008,1197)	0112H	One or more of the elements in the Referenced SOP Instance Sequence were not available.

3.1.4.2.8 Remote System Responds to Storage Commitment Request

3.1.4.2.8.1 Description and Sequencing of Activities

Vue PACS accepts the response for storage commitment request in new association that should be initiated by the remote system (the SCP). The DICOM server receives the Storage Commitment response through the N-EVENT-REPORT command. The Real World activity associated with the N-EVENT-REPORT storage commitment command is either the commitment of the remote system for the instances referred by an earlier N-ACTION storage commitment request issued by the Vue PACS or the indication that the remote system refused to commit. This transaction is handled by the DICOM server that performs as an SCU, but both SCU and SCP roles will be accepted during the association negotiation. The storage commitment N-EVENT-REPORT response from the remote system is expected within 180 minutes (value is configurable). If the remote system does not return an answer before the timeout, the current storage commitment transaction is abandoned and considered as failed.

3.1.4.2.8.2 Proposed Presentation Contexts List

Presentation Context Table					
Abstract Syntax		Transfer Syntax		ROLE	Ext. Neg.
Name	SOP Class UID	Name	UID		
Storage Commitment Push Model	1.2.840.10008.1.20.1	Implicit VR Little	1.2.840.10008.1.2	Both	Role neg.
		Explicit VR Little	1.2.840.10008.1.2.1		
		Explicit VR Big	1.2.840.10008.1.2.2		

3.1.4.2.8.3 SOP Specific Conformance—Storage Commitment

The DICOM server provides standard conformance to the DICOM V3.0 Storage Commitment Service Class as an SCP for the following SOP Class:
Storage Commitment Push Model, UID=1.2.840.10008.1.20.1

Successful storage commitment responses are recorded in the Vue PACS audit trail.

4 Communication Profiles

4.1 Supported Communications Stacks (Part 8)

Vue PACS provides DICOM 3.0 TCP/IP Network Communication Support as defined in Part 8 of the DICOM Standard.

4.2 TCP/IP Stack

All of the Application Entities in OSM inherit their TCP/IP stack from the operating system upon which they operate.

4.2.1 Physical Media Support

Vue PACS is indifferent to the physical medium over which TCP/IP operates.

4.2.2 Additional Protocols

4.2.2.1 WADO

Vue PACS provides standard conformance to the Web Access to DICOM Persistent Objects (WADO) as defined in PS3.18.

4.2.2.1.1 WADO Description

The WADO standard specifies a Web-based service for accessing and presenting DICOM persistent objects, such as images and medical imaging reports. WADO is intended for the distribution of results and images to healthcare professionals. It provides a simple mechanism for accessing a DICOM persistent object from HTML pages through HTTP/HTTPS, using DICOM UIDs. Data can be retrieved either in a presentation-ready form as specified by the requestor, such as JPEG, or in a native DICOM format.

4.2.2.1.2 WADO Interface Specifications

The message semantics are defined by the DICOM Web Access to DICOM Persistent Objects (WADO), PS 3.18.

The WADO Retrieve transaction is performed by an Imaging Consumer which sends an HTTP Request-URI to the Web server of Vue PACS. The Imaging Consumer generates the HTTP Request-UR to retrieve a DICOM instance. The DICOM instance is specified with its Study Instance UID, Series Instance UID, and SOP Instance UID in the HTTP Request-URI. The Imaging Document Consumer must obtain the host information, such as Web server location and script language, of the Web server to perform this transaction. The Imaging Consumer can map the Retrieve AE Title of the SOP Instance to the Web server host information based on its local configuration.

The Vue PACS WADO interface supports a number of parameters in the WADO HTTP Request-URI, as described in the following table.

Parameter Name	Parameter Description	Required	Supported
requestType	Type of the HTTP request performed. It must be WADO.	Y	Y
studyUID	Unique identifier of the study	Y	Y
seriesUID	Unique identifier of the series	Y	Y
objectUID	Unique identifier of the object	Y	Y
contentType	MIME type of the response	Y	Y

Parameter Name	Parameter Description	Required	Supported
charset	Charset of the response	N	Y
anonymize	Anonymize object	N	N
annotation	Annotation of the object	N	N
rows	Number of pixel rows	N	Y
columns	Number of pixel columns	N	Y
region	Region of image	N	N
windowCenter	Window center of the image	N	Y
windowWidth	Window width of the image	N	Y
frameNumber	Frame number of the single frame in a multi-frame image	N	N
imageQuality	Image quality factor	N	Y
presentationUID	Unique identifier of the presentation object	N	N
presentationSeriesUID	Uniquer identifier of the series containing the presentation object	N	N

The Imaging Consumer must use the value contentType “application/dicom” to retrieve a DICOM SOP Instance in the DICOM Part 10 File Format for full data manipulation.

The Imaging Consumer can also use the value contentType “image/jpeg” to retrieve an image encoded in JPEG baseline format if it is a single frame DICOM image object.

4.2.2.1.3 Expected Actions

Upon receipt of the WADO HTTP Request, the Vue PACS parses the request and if there are no errors, constructs an HTTP Get Response with the requested DICOM instance content and returns the response as specified by the DICOM WADO standard, with HTTP response code 200 (OK).

The Vue PACS returns HTTP response code 406 (Not Acceptable), if it cannot serve the requested response MIME type(s) in parameter contentType and/or Accept Field.

The Vue PACS returns HTTP response code 404 (Not Found) if it cannot locate the requested DICOM SOP Instance or cannot recognize the UID values specified in the received HTTP Request-URI.

The Vue PACS returns HTTP response code 400 (Bad Request) if any required HTTP field or required WADO HTTP parameters are missing in the received HTTP Request-URI, or any other syntactic error is detected in the HTTP Request-URI (e.g., media type in contentType parameter conflicts with media types in Accept field).

4.2.2.1.4 Example of WADO URI

The following is an example of an HTTP Request-URI for retrieving a persistent DICOM object using WADO:

http://www.carestreamserver.com/um/webapp_services/wado?requestType=WADO&studyUID=1.2.345.6.78.40211.12345678.678910&seriesUID=1.2.345.6.78.40211.789001276.14556172.67789&objectUID=1.2.345.6.78.40211.2678810.87991027.899772.2&contentType=application%2Fdicom

This example uses response MIME type application/DICOM to request the DICOM SOP Instance returned in the native DICOM Part 10 file format.

4.2.3 Security Profiles

Vue PACS supports the TLS 1.0 security profile.

4.2.4 IPv4 and IPv6 Support

Vue PACS supports both IPv4 and IPv6. It does not utilize any of the optional configuration identification or security features of IPv6.

5 Grayscale Image Consistency

The Vue PACS Diagnostic Workstation should be used on GSDF calibrated monitors. The implementation follows the image viewing pipeline as defined by the DICOM standard (e.g. the displayed images referred by an instance of a grayscale softcopy presentation will have applied the Modality LUT Transformation, Window/Level Transformation, Presentation LUT Transformation, Image Annotation, Shutter Transformation and Spatial Transformation according to the instance of the Grayscale Softcopy Presentation State SOP Class.

6 Extensions, Specialization, Privatization of SOP Classes, and Transfer Syntax

6.1 Private SOP Classes

Vue PACS does not define private SOP Classes, but it can be configured to support storage of private SOP classes defined by other vendors, both as SCP and SCU.

6.2 Applicability of DICOM Structured Report SOP Classes

The following table specifies the way the System handles DICOM Structured Report SOP Classes:

SOP Class Name	SOP Class Applicability
Basic Text SR	Storage only (C-Store, C-Move, C-Find)
Enhanced SR	Storage only (C-Store, C-Move, C-Find)
Comprehensive SR	<p>The Vue PACS workstation generates E-Reports as objects of this SOP Class. Those object may contain:</p> <p>The standard radiology report (typically received from the RIS through HL7 interface) formatted using the TID-2000 DICOM standard template. In case this is the only content the Basic Text SR SOP Class is used.</p> <p>Calcium Scoring report generated by DX formatted using "TID 3905 Calcium Scoring template" within "TID 3900 CT/MR Cardiovascular Analysis Report".</p> <p>Vessel Analysis report generated by DX formatted using "TID 3906 Vascular Section Measurements" within "TID 3900 CT/MR Cardiovascular Analysis Report".</p> <p>The client application displays those objects.</p> <p>Comprehensive SR objects generated by other systems are not displayed by the System. For those, the System supports storage only (C-Store, C-Move, C-Find)</p>
Mammography CAD SR	Vue PACS supports both storage (C-STORE, C-MOVE and C-FIND) and display.
Chest CAD SR	Storage only (C-STORE, C-MOVE, C-FIND)
X-Ray Radiation Dose SR Storage	<p>Vue PACS supports storage and display of the total DLP and the radiation event details.</p> <p>Reports formatted using "TID 5000 OB-GYN Ultrasound Procedure Report" and "TID 5100 Vascular Ultrasound Report" are supported.</p>

7 Configuration

Only authorized representative will configure the DICOM features.

7.1 AE Title/Presentation Address Mapping

This mapping is defined during the Vue PACS installation procedure.

7.2 Configurable Parameters

- Time-out
- DICOM port number
- Application Entity titles
- Transfer syntaxes

8 Media Interchange

Vue PACS Portable Media Manager serves as a File-Set Creator (FSC).

Vue PACS diagnostic workstation can perform also as File-Set Reader (FSR).

The supported media types are:

- Compact Disks
- DVDs
- Hard-Drives

The Real World Activity associated with the file-set creation is storing or back up data into the Portable Media Manager. The remote Real World Activity is either copying data to the Portable Media Manager or performing as a C-MOVE SCP which is requested to copy data to the Portable Media Manager.

The Real World Activity associated with the file-set reading is making the data available to the Vue PACS workstation over one of the supported media types.

9 Support of Extended Character Sets

Support Code Extension Techniques. The following character sets are supported.

Supported Single-Byte Character Sets without Code Extensions:

Character Set Description	Defined Term	ISO Registration Number	Character Set
Default repertoire	None	ISO-IR 6	ISO 646
Latin alphabet No. 1	ISO_IR 100	ISO-IR 100	Supplementary set of ISO 8859
		ISO-IR 6	ISO 646
Latin alphabet No. 2	ISO_IR 101	ISO-IR 101	Supplementary set of ISO 8859
		ISO-IR 6	ISO 646
Cyrillic	ISO_IR 144	ISO-IR 144	Supplementary set of ISO 8859
		ISO-IR 6	ISO 646
Greek	ISO_IR 126	ISO-IR 126	Supplementary set of ISO 8859
		ISO-IR 6	ISO 646
Hebrew	ISO_IR 138	ISO-IR 138	Supplementary set of ISO 8859
		ISO-IR 6	ISO 646
Latin alphabet No. 5	ISO_IR 148	ISO-IR 148	Supplementary set of ISO 8859
		ISO-IR 6	ISO 646
Thai	ISO_IR 166	ISO-IR 166	TIS 620
		ISO-IR 6	ISO 646
Japanese	ISO_IR 13	ISO-IR 13	JIS X 0201: Katakana
		ISO-IR 14	JIS X 0201: Romaji

Supported Single-Byte Character Sets with Code Extensions:

Character Set Description	Defined Term	Standard for Code Extension	ISO Registration Number	Character Set
Default repertoire	ISO 2022 IR 6	ISO 2022	ISO-IR 6	ISO 646
Latin alphabet No. 1	ISO 2022 IR 100	ISO 2022	ISO-IR 100	Supplementary set of ISO 8859
		ISO 2022	ISO-IR 6	ISO 646
Latin alphabet No. 2	ISO 2022 IR 101	ISO 2022	ISO-IR 101	Supplementary set of ISO 8859
		ISO 2022	ISO-IR 6	ISO 646
Cyrillic	ISO 2022 IR 144	ISO 2022	ISO-IR 144	Supplementary set of ISO 8859
		ISO 2022	ISO-IR 6	ISO 646
Greek	ISO 2022 IR 126	ISO 2022	ISO-IR 126	Supplementary set of ISO 8859
		ISO 2022	ISO-IR 6	ISO 646

Character Set Description	Defined Term	Standard for Code Extension	ISO Registration Number	Character Set
Hebrew	ISO 2022 IR 138	ISO 2022	ISO-IR 138	Supplementary set of ISO 8859
		ISO 2022	ISO-IR 6	ISO 646
Latin alphabet No. 5	ISO 2022 IR 148	ISO 2022	ISO-IR 148	Supplementary set of ISO 8859
		ISO 2022	ISO-IR 6	ISO 646
Thai	ISO 2022 IR 166	ISO 2022	ISO-IR 166	TIS 620
		ISO 2022	ISO-IR 6	ISO 646
Japanese	ISO 2022 IR 13	ISO 2022	ISO-IR 13	JIS X 0201: Katakana
		ISO 2022	ISO-IR 14	JIS X 0201: Romaji

Supported Multi-Byte Character Sets with Code Extensions:

Character Set Description	Defined Term	Standard for Code Extension	ISO Registration Number	Character Set
Japanese	ISO 2022 IR 87	ISO 2022	ISO-IR 87	JIS X 0208: Kanji
	ISO 2022 IR 159	ISO 2022	ISO-IR 159	JIS X 0212: Supplementary Kanji set
Korean	ISO 2022 IR 149	ISO 2022	ISO-IR 149	KS X 1001: Hangul and Hanja

Supported Multi-Byte Character Sets without Code Extensions:

Character Set Description	Defined Term
Unicode in UTF-8	ISO_IR 192
GB18030	GB18030

10 Document History

Version	Comments	Date	Updated By
1.0	Initial version based on 6K3699	2014-02-20	Leon Schweiger Marci Wolfe
1.0	Minor changes throughout. No changes to technical content.	2014-02-24	Marci Wolfe
2.0	Added Section 4.2.4 IPv4 and IPv6 Support	2014-02-25	Leon Schweiger Marci Wolfe
3.0	Minor changes in the following sections: <ul style="list-style-type: none"> • 2.1.5 Data-Router • 2.2.5 Data-Router • 3.1.2.4 Implementation Identifying Information • 3.1.3.2.1 MPEG Transfer Syntaxes • 9 Support of Extended Character Sets 	2014-07-29	Leon Schweiger Marci Wolfe
4.0	Minor changes throughout to prepare for publication. No changes to technical content.	2014-09-19	Marci Wolfe

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