DICOM Conformance Statement
CARESTREAM Vue PACS v11.4

Part # 6K3699
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1 Introduction

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

The CARESTREAM 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, 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
FIR	Fast Image Repository
FSC	File Set Creator
FSR	File Set Reader
IHE	Integrating the Healthcare Enterprise
MPPS	Modality Performed Procedure Step
OLSM	Online Storage Manager
OSM	Online Storage Manager
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 CARESTREAM 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 CARESTREAM 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 the applications' 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 CARESTREAM 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 CARESTREAM 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 CARESTREAM 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.

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

2 Implementation Model

CARESTREAM 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

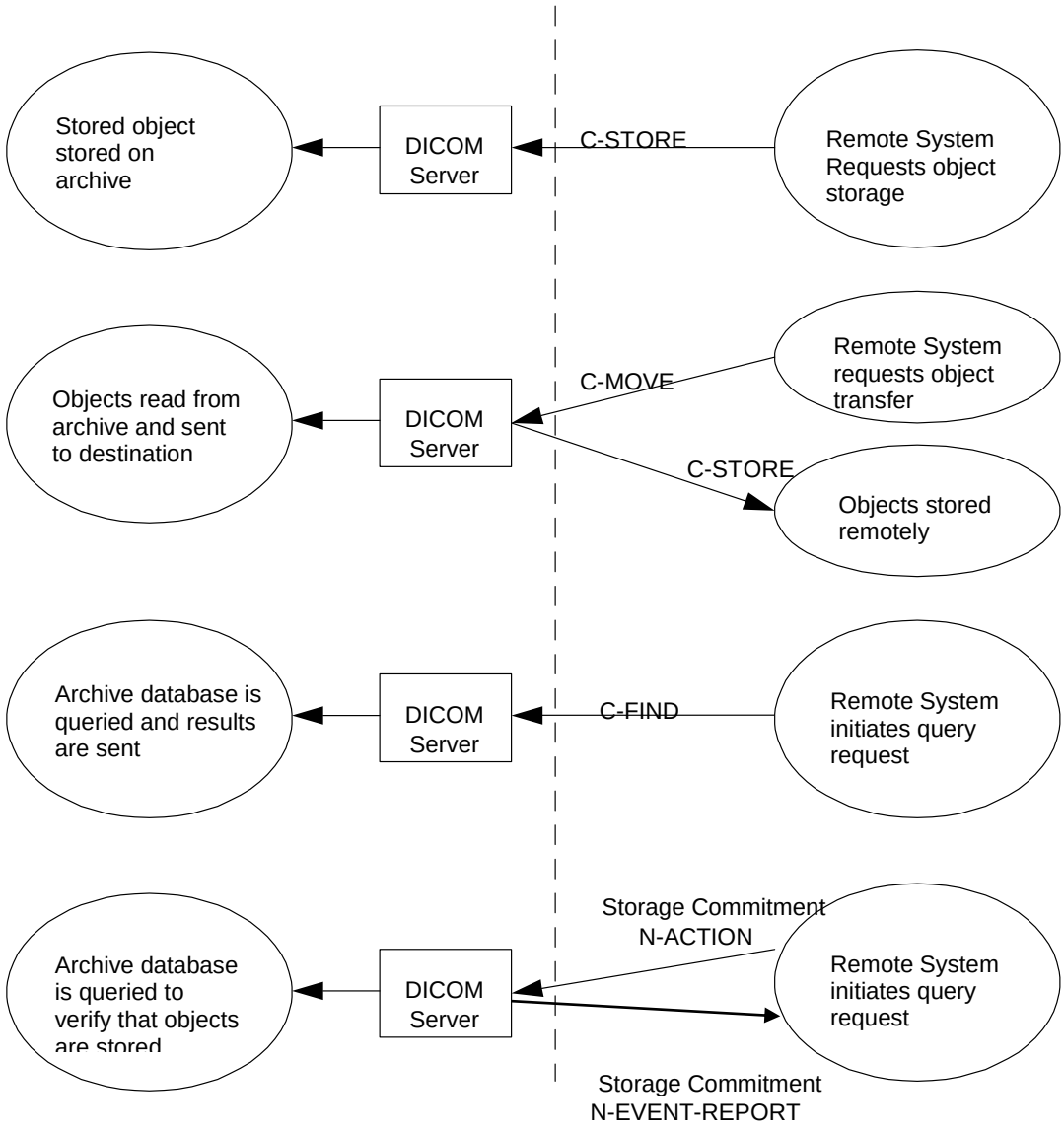
2.1 Application Data Flow Diagram

The CARESTREAM 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

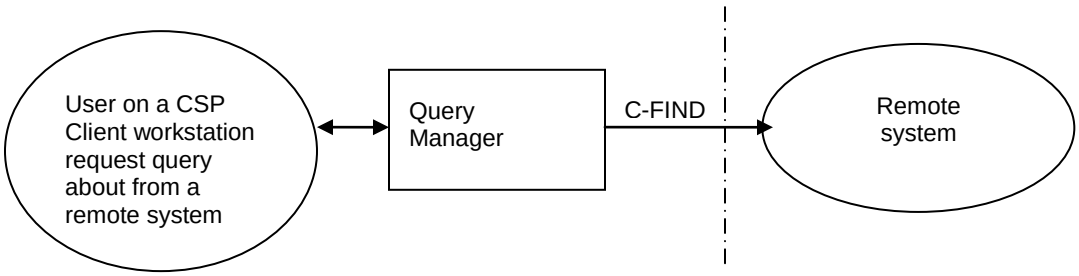
2.1.1 DICOM Server

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.



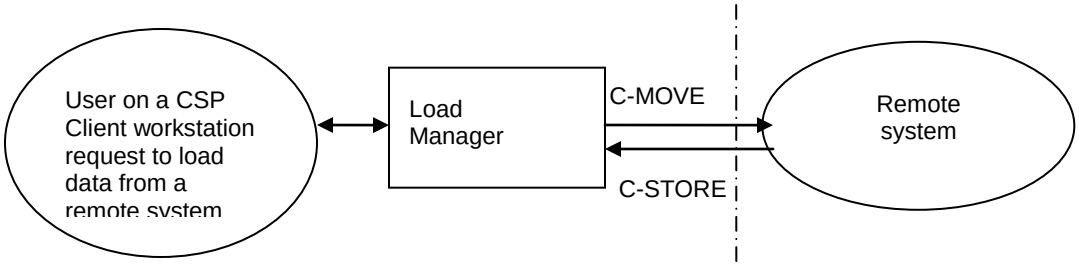
2.1.2 Query Manager

This AE is used as an SCU for querying remote archives for their DICOM data. The following shows an illustration of Query manager activity.



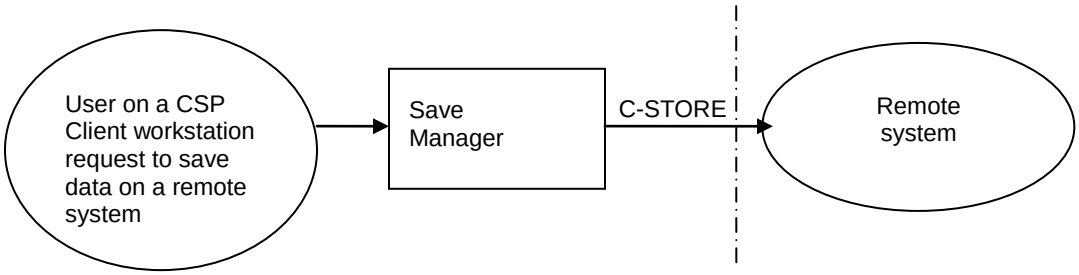
2.1.3 Load Manager

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.



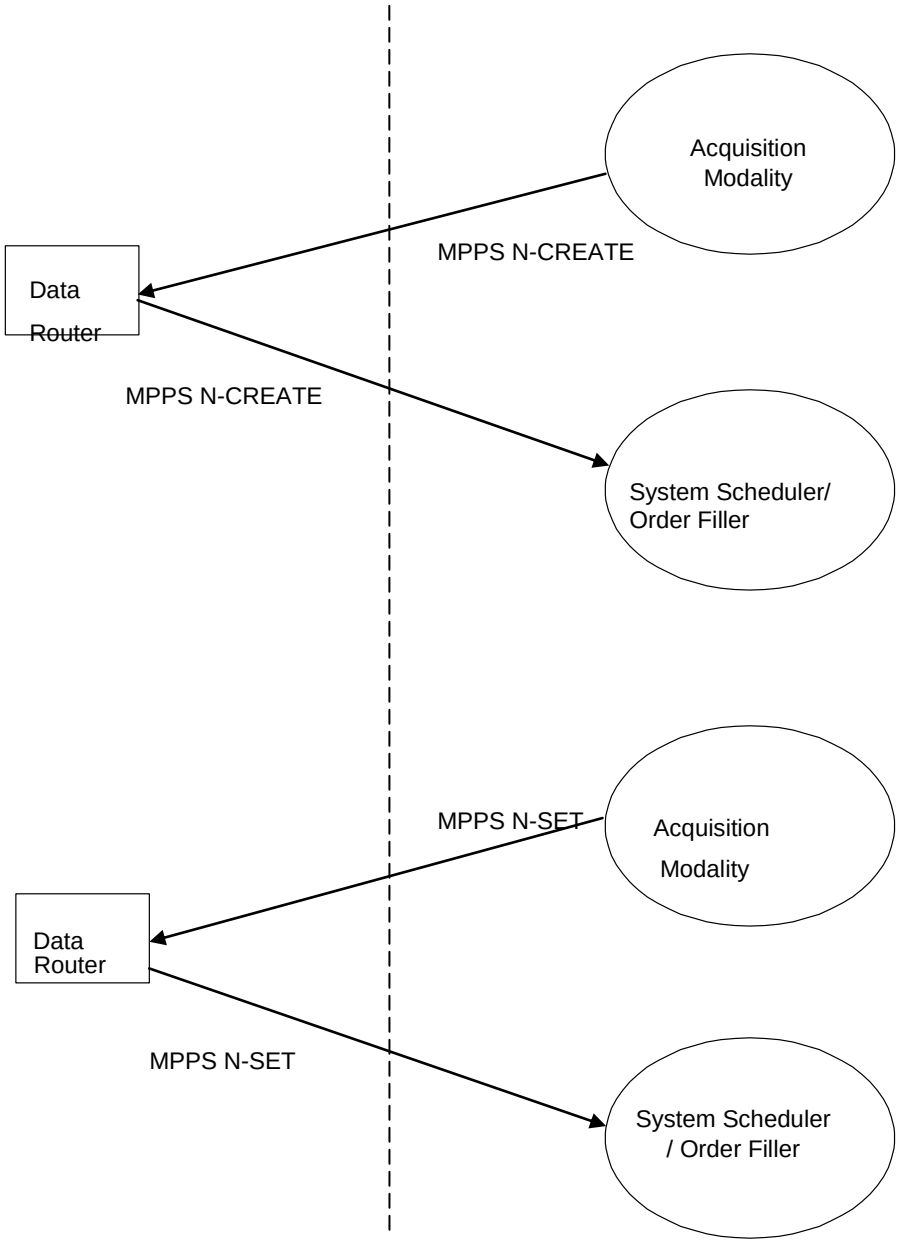
2.1.4 Save Manager

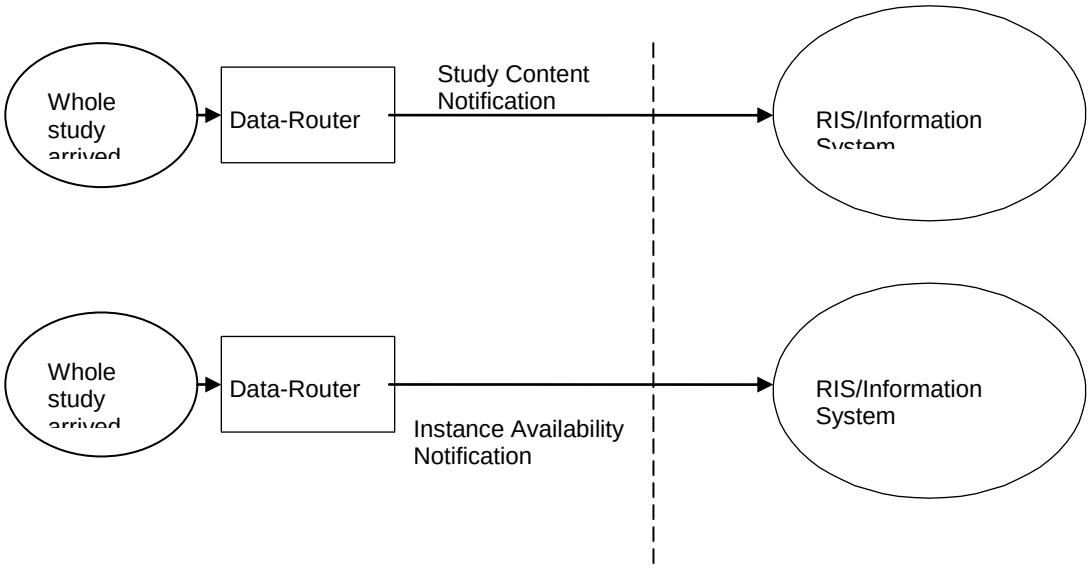
This AE is used as an SCU for saving DICOM data to remote archives. The following illustrates the Query Manager activity.



2.1.5 Data-Router

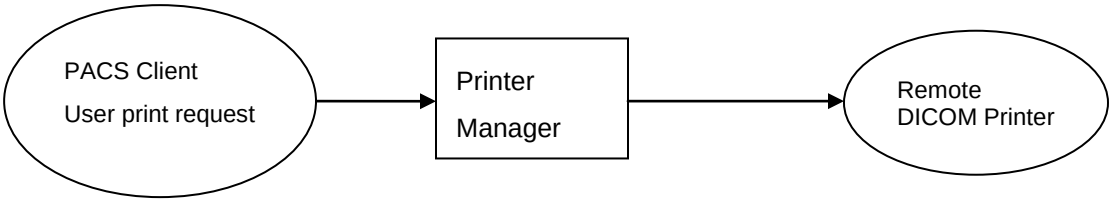
This Application Entity (AE) serves as the interface between the modality and the order filler. This Service Class Provider/User (SCP, SCU) provides DICOM MPPS-N-CREATE, MPPS-N-SET, Study Content Notification (SCN) and Instance Availability Notification services. The following illustrates the Data-Router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





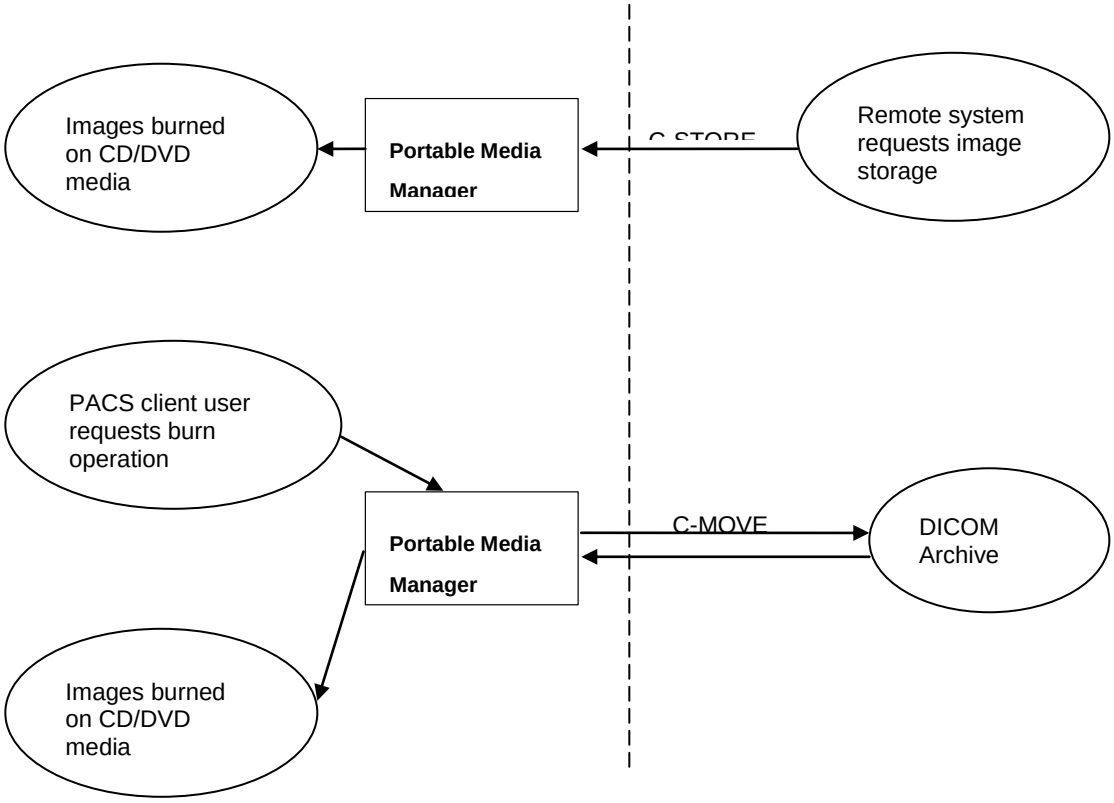
2.1.6 Print Manager

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.

2.2.2 Query Manager

The Query Manager is an SCU used to query the contents of remote archives. The Query Manager serves the CARESTREAM 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 CARESTREAM 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

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 CARESTREAM PACS diagnostic workstations.

2.2.4 Save Manager

The Save Manager is responsible for interfacing between the CARESTREAM 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 CARESTREAM 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.

2.2.6 Print Manager

The Print Manager is responsible for interfacing between any CARESTREAM 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 CARESTREAM 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 the application entities described in section (2.1) are parts of the CARESTREAM PACS. Therefore, the AE specifications of entities are combined together since they are usually used as part of a single whole system.

3.1 CARESTREAM PACS AE specifications

3.1.1 SOP Classes

The CARESTREAM 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
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	No	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 CARESTREAM PACS will use is 32K bytes.

3.1.2.2 Number of Associations

The number of simultaneous associations accepted by the CARESTREAM PACS is configurable and is limited only by the kernel parameters of the underlying TCP/IP implementation. The CARESTREAM PACS spawns a new process for each connection request it receives. Therefore, CARESTREAM PACS can have multiple simultaneous connections. There are no inherent limitations on the number of simultaneous associations which the Application Entity represented can maintain.

The number of associations initiated by CARESTREAM PACS is dependent on the system load. The default maximum number of associations with any particular AE is 10 for Query/Retrieve transactions. The default maximum number of parallel associations for Storage services transactions is 110 and for DICOM printing services transactions is 20. These values are configurable and can change according to used hardware and environment requirements.

3.1.2.3 Asynchronous Nature

CARESTREAM PACS only allows a single outstanding operation on an association. Therefore the CARESTREAM 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-11.3

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 above 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 table below. The positions of the Explicit Little Endian and Explicit Big Endian are replaced if the system is running on the SOLARIS SPAR platform.

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 1st 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 pre-selected 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

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 CARESTREAM PACS by sending a C-Move command will be served by the DICOM Server. 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	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		
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	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		
X-Ray Angiographic Bi-Plane Image Storage	1.2.840.10008.5.1.4.1.1.12.3	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None
Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6.1	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None

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 Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None
Ultrasound Multi-Frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None

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 Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None
Computed Radiography Image Storage	1.2.840.10008.5.1.4.1.1.1	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None

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 Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None
Color Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.2	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None

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 Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None
Blending Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.4	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None

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	1.2.840.10008.5.1.4.1.1.1.1.1	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 Mammography X-Ray Image Storage For Presentation	1.2.840.10008.5.1.4.1.1.1.2	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None
Digital Mammography X-Ray Image Storage For Processing	1.2.840.10008.5.1.4.1.1.1.2.1	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None

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 Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None
Digital Intra Oral X-Ray Image Storage For Processing	1.2.840.10008.5.1.4.1.1.1.3.1	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None

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	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**		
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	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		
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	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		
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	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		
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	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		
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	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		
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	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		
VL Slide Coordinates Microscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.3	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None
VL Photographic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.4	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None

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 Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None
Hardcopy Color Image Storage	1.2.840.10008.5.1.1.30	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None

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 Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None
Multi-Frame Grayscale Word Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.3	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None

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 Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None
Visible Light Multi-Frame Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.77.2	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None

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 Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None
12-lead ECG Waveform Storage	1.2.840.10008.5.1.4.1.1.9.1.1	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None

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	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		
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	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		
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 Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None
Standalone PET Curve Storage	1.2.840.10008.5.1.4.1.1.129	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None

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	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**		
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	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		
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	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**		
Encapsulated PDF Storage	1.2.840.10008.5.1.4.1.1.104.1	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None
Spatial Registration Storage	1.2.840.10008.5.1.4.1.1.66.1	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None

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	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		
Enhanced XA Image Storage	1.2.840.10008.5.1.4.1.1.12.1.1	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None
Enhanced XRF Image Storage	1.2.840.10008.5.1.4.1.1.12.2.1	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None

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 Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None
Video Endoscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.1.1	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None

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	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		
Ophthalmic Photography 8 Bit Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.1	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None
Ophthalmic Photography 16 Bit Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.2	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None

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

3.1.3.3.2.2 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		

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

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 CARESTREAM PACS by sending an N-Action command 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 CARESTREAM PACS and issuing back a storage commitment N-EVENT-REPORT over the same association or a new association, according to configured settings.

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 Explicit VR Little Explicit VR Big	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2	SCP	**Role neg.**

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 CARESTREAM 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 Explicit VR Little Explicit VR Big	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2	SCU	None

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 CARESTREAM 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 Explicit VR Little Explicit VR Big	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2	SCU	None
Instance Availability Notification	1.2.840.10008.5.1.4.33	Implicit VR Little Explicit VR Little Explicit VR Big	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2	SCU	None

3.1.3.3.6 CARESTREAM PACS Workstation Requests Operation from Remote System

3.1.3.3.6.1 Description and Sequencing of Activities

Users of CARESTREAM PACS client applications can perform operations on remote systems, such as query, studies loading, save of selected images or reconstructions and printing. The CARESTREAM PACS client application communicates with the CARESTREAM PACS using a proprietary interface and the CARESTREAM PACS provides the DICOM interface towards the remote systems. The DICOM commands performed by the CARESTREAM PACS on behalf of its clients are C-FIND, C-MOVE, C-STORE for query, load and save, respectively, and N-ACTION, N-CREATE, 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 Explicit VR Little Explicit VR Big	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2	SCU	None
Patient/Study Only Query/Retrieve Information Model - FIND	1.2.840.10008.5.1.4.1.2.3.1	Implicit VR Little Explicit VR Little Explicit VR Big	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2	SCU	None
Study Root Query/Retrieve Information Model - MOVE	1.2.840.10008.5.1.4.1.2.2.2	Implicit VR Little Explicit VR Little Explicit VR Big	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2	SCU	None
Patient/Study Only Query/Retrieve Information Model - MOVE	1.2.840.10008.5.1.4.1.2.3.2	Implicit VR Little Explicit VR Little Explicit VR Big	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2	SCU	None
Basic Grayscale Print Management Meta SOP	1.2.840.10008.5.1.1.9	Implicit VR Little Explicit VR Little Explicit VR Big	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2	SCU	**Meta SOP class**
Basic Color Print Management Meta SOP	1.2.840.10008.5.1.1.18	Implicit VR Little Explicit VR Little Explicit VR Big	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2	SCU	**Meta SOP class**
Print Job	1.2.840.10008.5.1.4.1.1.14	Implicit VR Little Explicit VR Little Explicit VR Big	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2	SCU	None

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	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		
X-Ray Radiofluoroscopic Image Storage	1.2.840.10008.5.1.4.1.1.12.2	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None
X-Ray Angiographic Image Storage	1.2.840.10008.5.1.4.1.1.12.1	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None

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 Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None
Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6.1	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None

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 Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None
Ultrasound Multi-Frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None

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 Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None
Computed Radiography Image Storage	1.2.840.10008.5.1.4.1.1.1	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None

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 Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None
Digital X-Ray Image Storage For Presentation	1.2.840.10008.5.1.4.1.1.1.1	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None

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	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None
Digital Mammography X-Ray Image Storage For Presentation	1.2.840.10008.5.1.4.1.1.1.2	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None

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 Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None
Digital Intra Oral X-Ray Image Storage For Presentation	1.2.840.10008.5.1.4.1.1.1.3	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None

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 Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None
RT Image Storage	1.2.840.10008.5.1.4.1.1.481.1	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None

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	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		
VL Microscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.2	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None
VL Slide Coordinates Microscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.3	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None

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	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 Grayscale Word Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.3	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None
Visible Light Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.77.1	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None

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 Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None
Nuclear Medicine Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.5	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None

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 Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None
MR Spectroscopy Storage	1.2.840.10008.5.1.4.1.1.4.2	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None

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	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		
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	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		
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	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		
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	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		
Ophthalmic Photography 8 Bit Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.1	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None
Ophthalmic Photography 16 Bit Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.2	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCU	None

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		

3.1.3.4 SOP Specific Conformance

3.1.3.4.1 FIND SOP Classes

CARESTREAM PACS provides standard conformance to the DICOM 3.0 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.

CARESTREAM 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

CARESTREAM PACS Load Manager provides standard conformance to the DICOM 3.0 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 CARESTREAM 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

CARESTREAM 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. 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 a 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.

3.1.3.4.4 Grayscale Presentation State SOP Class

The CARESTREAM 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 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 3.0 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 3.0 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 3.0 Print Job SOP Class, UID=1.2.840.10008.5.1.1.14.

3.1.4 Association Acceptance Policy

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

The CARESTREAM PACS may reject association in the following cases:

- The Called AE (CARESTREAM PACS AE) is incorrect
- The Calling AE is requesting the association is opening the TCP/IP connection from an un-authorized 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, CARESTREAM 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. The order of the explicit little transfer syntax and explicit big transfer syntax is switched on the SOLARIS SPARC platform. Configuration setting of Standard Lossy transfer syntaxes for the DICOM Server allows also 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 CARESTREAM 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 Explicit VR Little Explicit VR Big	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2	SCP	None

3.1.4.2.1.3 SOP Specific Conformance for Verification SOP Class

CARESTREAM PACS AE's 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	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		
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	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		
X-Ray Angiographic Bi-Plane Image Storage	1.2.840.10008.5.1.4.1.1.12.3	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCP	None
Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6.1	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCP	None

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 Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCP	None
Ultrasound Multi-Frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCP	None

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 Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCP	None
Color Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.2	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCP	None

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 Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCP	None
Blending Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.4	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCP	None

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 Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCP	None
Digital X-Ray Image Storage For Processing	1.2.840.10008.5.1.4.1.1.1.1	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCP	None

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 Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCP	None
Digital Mammography X-Ray Image Storage For Processing	1.2.840.10008.5.1.4.1.1.1.2.1	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCP	None

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 Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCP	None
Digital Intra Oral X-Ray Image Storage For Processing	1.2.840.10008.5.1.4.1.1.1.3.1	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCP	None

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	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		
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	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**		
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	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		
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	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**		
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	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		
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	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		
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	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		
VL Slide Coordinates Microscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.3	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCP	None
VL Photographic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.4	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCP	None

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 Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCP	None
Hardcopy Color Image Storage	1.2.840.10008.5.1.1.30	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCP	None

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 Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCP	None
Multi-Frame Grayscale Word Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.3	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCP	None

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 Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCP	None
Visible Light Multi-Frame Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.77.2	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCP	None

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	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		
Hemodynamic Waveform Storage	1.2.840.10008.5.1.4.1.1.9.2.1	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCP	None
Cardiac Electrophysiology Waveform Storage	1.2.840.10008.5.1.4.1.1.9.3.1	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCP	None

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	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 True Color Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.4	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCP	None
Standalone PET Curve Storage	1.2.840.10008.5.1.4.1.1.129	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCP	None

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	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**		
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	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		
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	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		
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	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		
Enhanced XA Image Storage	1.2.840.10008.5.1.4.1.1.12.1.1	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCP	None
Enhanced XRF Image Storage	1.2.840.10008.5.1.4.1.1.12.2.1	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCP	None

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	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		
Video Microscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.2.1	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCP	None
Video Photographic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.4.1	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCP	None

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 Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCP	None
Ophthalmic Photography 16 Bit Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.2	Implicit VR Little Explicit VR Little Explicit VR Big JPEG Baseline (Process 1) JPEG Extended (Process 2 & 4) JPEG Lossless, Non-Hierarchical (Process 14) JPEG Lossless, Non-Hierarchical, First-Order Prediction JPEG 2000 Image Compression (Lossless Only) JPEG 2000 Image Compression RLE Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.57 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.5	SCP	None

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	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**		
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	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		
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	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**		
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

CARESTREAM 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 pre-scheduled configurable timing, on 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

CARESTREAM 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 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.

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 Explicit VR Little Explicit VR Big	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2	SCP	None
Patient Root Query/Retrieve Information Model - MOVE	1.2.840.10008.5.1.4.1.2.1.2	Implicit VR Little Explicit VR Little Explicit VR Big	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2	SCP	None

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 to complete 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 Explicit VR Little Explicit VR Big	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2	SCP	None
Patient Root Query/Retrieve Information Model – FIND	1.2.840.10008.5.1.4.1.2.1.1	Implicit VR Little Explicit VR Little Explicit VR Big	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2	SCP	None

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 CARESTREAM 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 CARESTREAM 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			
>>Code Value	(0008,0100)	-	+
>>Coding Scheme Designator	(0008,0102)	-	+

Attribute Name	Tag	Query Keys Matching	Query Keys Returned
>>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 Explicit VR Little Explicit VR Big	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2	SCP	None

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, in case the service request has been 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 Explicit VR Little Explicit VR Big	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.2	SCP	None

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 shall respond with 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 was not available.

4 Communication Profiles

4.1 Supported Communications Stacks (Part 8)

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

4.2.1 Physical Media Support

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

4.2.2 Additional Protocols

4.2.2.1 WADO

CARESTREAM 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 CARESTREAM 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 CARESTREAM 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	Unique 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 CARESTREAM 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 CARESTREAM 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 CARESTREAM 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 CARESTREAM 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

CARESTREAM PACS supports the TLS 1.0 security profile.

5 Grayscale Image Consistency

The CARESTREAM 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

CARESTREAM 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	The CARESTREAM PACS workstation generates E-Reports as objects of this SOP Class. Those object may contain: 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. Calcium Scoring report generated by DX formatted using “TID 3905 Calcium Scoring template” within “TID 3900 CT/MR Cardiovascular Analysis Report”. Vessel Analysis report generated by DX formatted using “TID 3906 Vascular Section Measurements” within “TID 3900 CT/MR Cardiovascular Analysis Report”. The client application displays those objects. 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)
Mammography CAD SR	CARESTREAM 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	CARESTREAM PACS supports storage and display of the total DLP and the radiation event details. Reports formatted using “TID 5000 OB-GYN Ultrasound Procedure Report” and “TID 5100 Vascular Ultrasound Report” are supported.

7 Configuration

Only authorized representative will configure the DICOM features.

7.1 AE Title/Presentation Address Mapping

This mapping is defined during the CARESTREAM PACS installation procedure.

7.2 Configurable Parameters

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

8 Media Interchange

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

CARESTREAM 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 CARESTREAM 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
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
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

Character Set Description	Defined Term	Standard for Code Extension	ISO Registration Number	Character Set
		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	2012-07-12	Leon Schveiger
2.0	Revised for CARESTREAM Vue PACS v11.4	2013-03-10	Leon Schveiger
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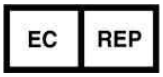

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