



Acuo VNA

DICOM Conformance Statement

Version 6.0.4 (April 2021)

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1 Introduction

1.1 AcuoMed and its Conformance to DICOM

This document describes the Acuo VNA's AcuoMed Image Manager and its conformance to the DICOM 3.0 specification.

- **Storage Services** – The AcuoMed Image Manager receives DICOM images from DICOM devices. The images can be stored locally and/or forwarded to other DICOM devices. When images are stored locally, the image is stored and a database record is created describing the stored image.
- **Query and Retrieve Services** – The AcuoMed Image Manager receives DICOM Query and Retrieve request from DICOM devices. The request can look at the local AcuoMed Image Manager database(s) and/or other DICOM device(s) for matches to the Query or Retrieve request and return an integrated response to the requesting DICOM device.
- **Basic Worklist Services** – The AcuoMed Image Manager initiates a DICOM Query request to another DICOM device. The Query response information is utilized to generate pre-fetch of relevant prior studies from the local AcuoMed Image Manager database(s) and/or other DICOM device(s) and performing Patient/Study Reconciliation on incoming images.
 - AcuoMed can also act as a proxy for Modality Worklist (MWL) queries. If configured, Acuo will receive a C-Find from a modality and forward it to a MWL Server.
- **Storage Commitment Services** – The AcuoMed Image Manager receives DICOM Storage Commitment request from DICOM devices. The AcuoMed Image Manager returns responses indicating all objects that were found and not found.

1.2 AcuoMed Features

The AcuoMed Image Manager (AcuoMed) is an open system architecture utilizing a Windows platform that provides transport, storage, tracking, and retrieving of digital medical images across an entire storage system network that is both collaborative and extensible.

AcuoMed provides Batch Store Management capability for handling images that need to be delivered to one or more local route destinations. AcuoMed is able to receive images and then queue them for delivery to multiple destinations. This provides important advantages when a destination is not currently available or when an image needs to be delivered to more than one destination. Additionally, Batch Store Manager allows for scheduled delivery and delivery priorities.

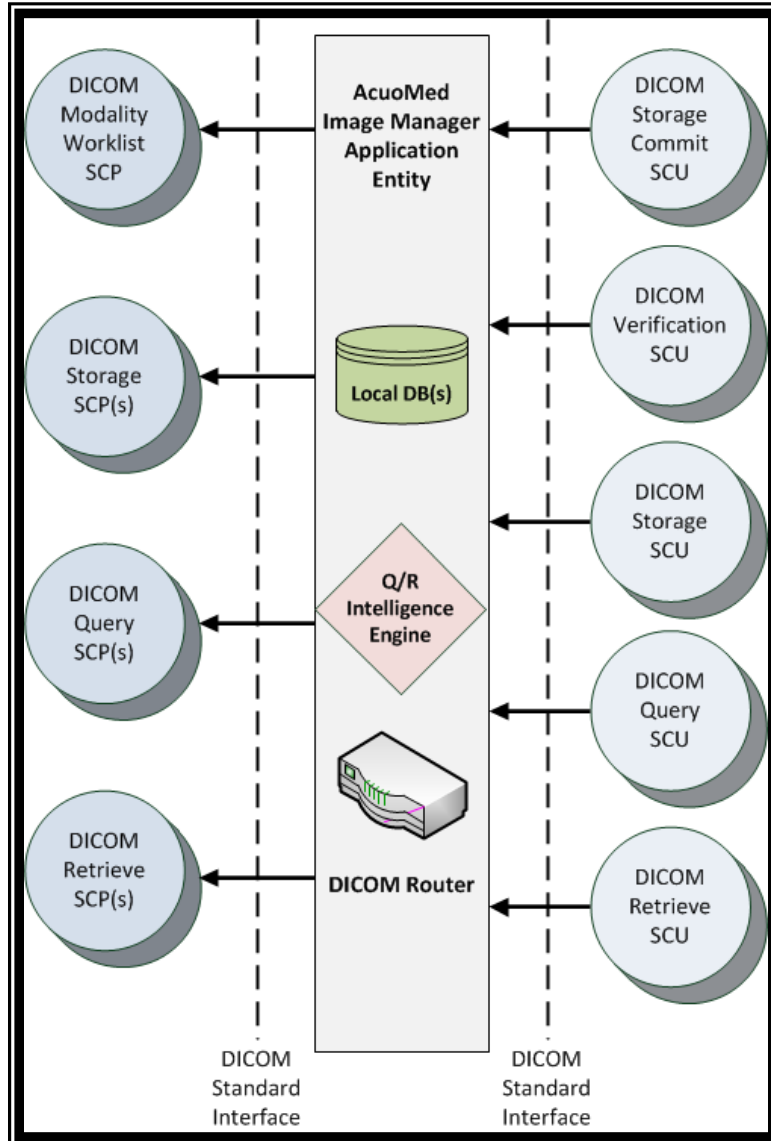
AcuoMed provides advanced control of image routing through DICOM Tag Rule Routing. Tag Rule Routing enables dynamic routing decisions to be made based on the value of any DICOM Tag. Examples of DICOM Tags that can be utilized for Tag Routing Modality, Study Status, Body Part, Reading Physician, Referring Physician, and Institution.

A Query/Retrieve Intelligence Engine facilitates searching for images across the Enterprise. When a user initiates a Query or Retrieve, the Q/R Intelligence Engine sends Query or Retrieve requests to all configured Acuo and Non-Acuo DICOM devices. Images may reside on different Acuo and Non-Acuo DICOM devices distributed across the network. The Q/R Intelligence Engine will find and move the images from their location(s) to the destination DICOM device.

Move/Route Mapping provides a facility for moving images to multiple destinations with a single Move request.

2 Implementation Model

2.1 Application Data Flow Diagram



2.2 Functional Definitions of Application Entities

The AcuoMed Image Manager supports Verification Services as a Service Class Provider (SCP). The DICOM Service Class User may request a C-ECHO operation to verify communications with the SCP.

The AcuoMed Image Manager Storage Service Class Provider (SCP) receives requests from a DICOM Storage Service Class User (SCU) to store an image. The SCP stores the image and the attributes to a local database and/or forwards the image to an AcuoMed Image Manager Storage Service Class User so the image can be transmitted to other DICOM device(s).

The AcuoMed Image Manager Storage Service Class User (SCU) receives a request from AcuoMed to store an image to a DICOM Storage Service Class Provider (SCP). The request is initiated from a C-Store or C-Move request to AcuoMed. The SCU stores an image to the SCP.

The AcuoMed Image Manager Query Service Class Provider (SCP) receives requests from a DICOM Query Service Class User (SCU) to search for images. The SCP accepts the Query request from the SCU and searches the AcuoMed DICOM database(s) and/or forwards the request to an AcuoMed Image Manager Query Service Class User so the Query can be propagated to other DICOM device(s). The Query responses from all sources are aggregated and filtered by the Query/Retrieve Intelligence Engine and returned to the SCU.

The AcuoMed Image Manager Query Service Class User (SCU) receives requests from AcuoMed to query a DICOM Query Service Class Provider(s) (SCP). The request is initiated from a C-Find or C-Move request to AcuoMed or from AcuoMed Route View. The SCU submits the Query request to the SCP(s) and the Query results are received back. The Query results from all sources are aggregated and filtered by the Query/Retrieve Intelligence Engine. The results are forwarded to an AcuoMed Image Manager Query Service Class Provider so the Query results can be propagated back to the requesting DICOM device or to AcuoMed Route View.

The AcuoMed Image Manager Retrieve Service Class Provider (SCP) receives requests from a DICOM Retrieve Service Class User (SCU) to retrieve images. The SCP accepts the Retrieve request from the SCU and searches the AcuoMed DICOM database(s) and/or forwards the request to an AcuoMed Image Manager Retrieve Service Class User so the retrieve can be propagated to other DICOM device(s). The Retrieve responses from all sources are aggregated and filtered by the Query/Retrieve Intelligence Engine and the Retrieve response is returned to the SCU.

The AcuoMed Image Manager Retrieve Service Class User (SCU) receives requests from AcuoMed to retrieve from a DICOM Retrieve Service Provider (SCP). The request is initiated from a C-Move request to AcuoMed or from AcuoMed Route View. The SCU submits the Retrieve request to the SCP(s) and the Retrieve results are received back. The Retrieve results from all sources are aggregated and filtered by the Query/Retrieve Intelligence Engine. The results are forwarded to an AcuoMed Image Manager Retrieve Service Class Provider so the Query results can be propagated back to the requesting DICOM device or to AcuoMed Route View.

The AcuoMed Image Manager Modality Worklist Service Class User (SCU) initiates a query request to a DICOM Modality Worklist Service Class Provider(s) (SCP). The request is initiated when AcuoMed Image Manager is being started and at regular intervals thereafter. The SCU submits the Query request to the SCP(s) and the Query results are aggregated, filtered and processed and all relevant priors are scheduled for retrieval from an AcuoMed DICOM database(s) and/or other DICOM devices.

The AcuoMed Image Manager Storage Commitment Service Class Provider (SCP) receives requests from a DICOM Storage Commitment Service Class User (SCU) for Storage Commitment. The SCP accepts and acknowledges the Storage Commitment request from the SCU. The SCP then searches the AcuoMed DICOM database(s), generates a Storage Commitment report and initiates a DICOM association back to the SCU for delivering the report.

3 AE Specifications

3.1 The AcuoMed Image Manager Application Entity

The AcuoMed Image Manager Application Entity provides Standard Conformance to the following DICOM v3.0 SOP Class as a SCU:

Worklist SOP Class Name	SOP CLASS UID
Modality Worklist Query	1.2.840.10008.5.1.4.31

The AcuoMed Image Manager Application Entity provides Standard Conformance to the following DICOM v3.0 SOP Class as a SCP:

Verification SOP Class Name	SOP CLASS UID
Verification	1.2.840.10008.1.1

The AcuoMed Image Manager Application Entity provides Standard Conformance to the following DICOM v3.0 SOP Class as a SCP:

Storage Commitment SOP Class Name	SOP CLASS UID
Storage Commitment Push Model	1.2.840.10008.1.20.1

The AcuoMed Image Manager Application Entity provides Standard Conformance to the following DICOM v3.0 SOP Classes as an SCU/SCP (note support can be added for other SOPs not listed here):

Storage SOP Class Name	SOP CLASS UID
Stored Print Storage	1.2.840.10008.5.1.1.27
Hardcopy Grayscale Image Storage	1.2.840.10008.5.1.1.29
Hardcopy Color Image Storage	1.2.840.10008.5.1.1.30
Computed Radiography Image Storage	1.2.840.10008.5.1.4.1.1.1
Digital X-Ray Image Storage (Presentation)	1.2.840.10008.5.1.4.1.1.1.1
Digital X-Ray Image Storage (Processing)	1.2.840.10008.5.1.4.1.1.1.1.1
Digital Mammography Image Storage (Presentation)	1.2.840.10008.5.1.4.1.1.1.2
Digital Mammography Image Storage (Processing)	1.2.840.10008.5.1.4.1.1.1.2.1
Digital Intra-oral X-Ray Image Storage (Presentation)	1.2.840.10008.5.1.4.1.1.1.3
Digital Intra-oral X-Ray Image Storage (Processing)	1.2.840.10008.5.1.4.1.1.1.3.1
Stand-alone Modality LUT Storage	1.2.840.10008.5.1.4.1.1.10
Encapsulated PDF Storage	1.2.840.10008.5.1.4.1.1.104.1
Encapsulated CDA Storage	1.2.840.10008.5.1.4.1.1.104.2
Stand-alone VOI LUT Storage	1.2.840.10008.5.1.4.1.1.11
Grayscale Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.1
Color Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.2
Pseudo-Color Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.3
Blending Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.4

Storage SOP Class Name	SOP CLASS UID
XA/XRF Grayscale Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.5
Grayscale Planar MPR Volumetric Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.6
Compositing Planar MPR Volumetric Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.7
X-Ray Angiographic Image Storage	1.2.840.10008.5.1.4.1.1.12.1
Enhanced XA Image Storage	1.2.840.10008.5.1.4.1.1.12.1.1
X-Ray Radiofluoroscopic Image Storage	1.2.840.10008.5.1.4.1.1.12.2
Enhanced XRF Image Storage	1.2.840.10008.5.1.4.1.1.12.2.1
X-Ray Angiographic Bi-Plane Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.12.3
Positron Emission Tomography Image Storage	1.2.840.10008.5.1.4.1.1.128
Legacy Converted Enhanced PET Image Storage	1.2.840.10008.5.1.4.1.1.128.1
Stand-alone PET Curve Storage	1.2.840.10008.5.1.4.1.1.129
X-Ray 3D Angiographic Image Storage	1.2.840.10008.5.1.4.1.1.13.1.1
X-Ray 3D Craniofacial Image Storage	1.2.840.10008.5.1.4.1.1.13.1.2
Breast Tomosynthesis Image Storage	1.2.840.10008.5.1.4.1.1.13.1.3
Breast Projection X-Ray Image Storage - For Presentation	1.2.840.10008.5.1.4.1.1.13.1.4
Breast Projection X-Ray Image Storage - For Processing	1.2.840.10008.5.1.4.1.1.13.1.5
Enhanced PET Image Storage	1.2.840.10008.5.1.4.1.1.130
Basic Structured Display Storage	1.2.840.10008.5.1.4.1.1.131
Intravascular Optical Coherence Tomography Image Storage - For Presentation	1.2.840.10008.5.1.4.1.1.14.1
Intravascular Optical Coherence Tomography Image Storage - For Processing	1.2.840.10008.5.1.4.1.1.14.2
CT Image Storage	1.2.840.10008.5.1.4.1.1.2
Enhanced CT Image Storage	1.2.840.10008.5.1.4.1.1.2.1
Legacy Converted Enhanced CT Image Storage	1.2.840.10008.5.1.4.1.1.2.2
Nuclear Medicine Image Storage	1.2.840.10008.5.1.4.1.1.2.20
Ultrasound Multi-Frame Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.3
Ultrasound Multi-frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1
Parametric Map Storage	1.2.840.10008.5.1.4.1.1.30
MR Image Storage	1.2.840.10008.5.1.4.1.1.4
Enhanced MR Image Storage	1.2.840.10008.5.1.4.1.1.4.1
MR Spectroscopy Storage	1.2.840.10008.5.1.4.1.1.4.2
Enhanced MR Color Image Storage	1.2.840.10008.5.1.4.1.1.4.3
Legacy Converted Enhanced MR Image Storage	1.2.840.10008.5.1.4.1.1.4.4
RT Image Storage	1.2.840.10008.5.1.4.1.1.481.1
RT Dose Storage	1.2.840.10008.5.1.4.1.1.481.2
RT Structure Set Storage	1.2.840.10008.5.1.4.1.1.481.3
RT Beams Treatment Record Storage	1.2.840.10008.5.1.4.1.1.481.4
RT Plan Storage	1.2.840.10008.5.1.4.1.1.481.5
RT Brachy Treatment Record Storage	1.2.840.10008.5.1.4.1.1.481.6
RT Treatment Summary Record Storage	1.2.840.10008.5.1.4.1.1.481.7
RT Ion Plan Storage	1.2.840.10008.5.1.4.1.1.481.8

Storage SOP Class Name	SOP CLASS UID
RT Ion Beams Treatment Record Storage	1.2.840.10008.5.1.4.1.1.481.9
Nuclear Medicine Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.5
Ultrasound Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.6
Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6.1
Enhanced US Volume Storage	1.2.840.10008.5.1.4.1.1.6.2
Raw Data Storage	1.2.840.10008.5.1.4.1.1.66
Spatial Registration Storage	1.2.840.10008.5.1.4.1.1.66.1
Spatial Fiducials Storage	1.2.840.10008.5.1.4.1.1.66.2
Deformable Spatial Registration Storage	1.2.840.10008.5.1.4.1.1.66.3
Segmentation Storage	1.2.840.10008.5.1.4.1.1.66.4
Surface Segmentation Storage	1.2.840.10008.5.1.4.1.1.66.5
Tractography Results Storage	1.2.840.10008.5.1.4.1.1.66.6
Real World Value Mapping Storage	1.2.840.10008.5.1.4.1.1.67
Surface Scan Mesh Storage	1.2.840.10008.5.1.4.1.1.68.1
Surface Scan Point Cloud Storage	1.2.840.10008.5.1.4.1.1.68.2
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7
Multi-frame Single Bit Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.1
Multi-frame Grayscale Byte Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.2
Multi-frame Grayscale Word Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.3
Multi-frame True Color Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.4
VL Endoscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.1
Video Endoscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.1.1
VL Microscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.2
Video Microscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.2.1
VL Slide-Coordinates Microscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.3
VL Photographic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.4
Video Photographic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.4.1
Ophthalmic Photography 8 Bit Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.1
Ophthalmic Photography 16 Bit Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.2
Stereometric Relationship Storage	1.2.840.10008.5.1.4.1.1.77.1.5.3
Ophthalmic Tomography Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.4
Wide Field Ophthalmic Photography Stereographic Projection Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.5
Wide Field Ophthalmic Photography 3D Coordinates Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.6
VL Whole Slide Microscopy Image Storage	1.2.840.10008.5.1.4.1.1.77.1.6
Lensometry Measurements Storage	1.2.840.10008.5.1.4.1.1.78.1
Autorefractometry Measurements Storage	1.2.840.10008.5.1.4.1.1.78.2
Keratometry Measurements Storage	1.2.840.10008.5.1.4.1.1.78.3
Subjective Refraction Measurements Storage	1.2.840.10008.5.1.4.1.1.78.4
Visual Acuity Measurements Storage	1.2.840.10008.5.1.4.1.1.78.5
Spectacle Prescription Report Storage	1.2.840.10008.5.1.4.1.1.78.6

Storage SOP Class Name	SOP CLASS UID
Ophthalmic Axial Measurements Storage	1.2.840.10008.5.1.4.1.1.78.7
Intraocular Lens Calculations Storage	1.2.840.10008.5.1.4.1.1.78.8
Macular Grid Thickness and Volume Report	1.2.840.10008.5.1.4.1.1.79.1
Stand-alone Overlay Storage	1.2.840.10008.5.1.4.1.1.8
Ophthalmic Visual Field Static Perimetry Measurements Storage	1.2.840.10008.5.1.4.1.1.80.1
Ophthalmic Thickness Map Storage	1.2.840.10008.5.1.4.1.1.81.1
Corneal Topography Map Storage	1.2.840.10008.5.1.4.1.1.82.1
Basic Text SR	1.2.840.10008.5.1.4.1.1.88.11
Enhanced SR	1.2.840.10008.5.1.4.1.1.88.22
Detail SR Storage - Trial (Retired)	1.2.840.10008.5.1.4.1.1.88.3
Comprehensive SR	1.2.840.10008.5.1.4.1.1.88.33
Comprehensive 3D SR Storage	1.2.840.10008.5.1.4.1.1.88.34
Extensible SR Storage	1.2.840.10008.5.1.4.1.1.88.35
Procedure Log Storage	1.2.840.10008.5.1.4.1.1.88.40
Mammography CAD SR	1.2.840.10008.5.1.4.1.1.88.50
Key Object Selection	1.2.840.10008.5.1.4.1.1.88.59
Chest CAD SR Storage	1.2.840.10008.5.1.4.1.1.88.65
X-Ray Radiation Dose SR	1.2.840.10008.5.1.4.1.1.88.67
Radiopharmaceutical Radiation Dose SR Storage	1.2.840.10008.5.1.4.1.1.88.68
Colon CAD SR Storage	1.2.840.10008.5.1.4.1.1.88.69
Implantation Plan SR Document Storage	1.2.840.10008.5.1.4.1.1.88.70
Acquisition Context SR Storage	1.2.840.10008.5.1.4.1.1.88.71
Stand-alone Curve Storage	1.2.840.10008.5.1.4.1.1.9
12-Lead ECG Waveform	1.2.840.10008.5.1.4.1.1.9.1.1
General ECG Waveform	1.2.840.10008.5.1.4.1.1.9.1.2
Ambulatory ECG Waveform	1.2.840.10008.5.1.4.1.1.9.1.3
Hemodynamic Waveform	1.2.840.10008.5.1.4.1.1.9.2.1
Cardiac Electrophysiology Waveform	1.2.840.10008.5.1.4.1.1.9.3.1
Basic Voice Audio Waveform	1.2.840.10008.5.1.4.1.1.9.4.1
General Audio Waveform Storage	1.2.840.10008.5.1.4.1.1.9.4.2
Arterial Pulse Waveform Storage	1.2.840.10008.5.1.4.1.1.9.5.1
Respiratory Waveform Storage	1.2.840.10008.5.1.4.1.1.9.6.1
Content Assessment Results Storage	1.2.840.10008.5.1.4.1.1.90.1
RT Brachy Application Setup Delivery Instruction Storage	1.2.840.10008.5.1.4.34.10
RT Beams Delivery Instruction Storage	1.2.840.10008.5.1.4.34.7

The AcuoMed Image Manager Application Entity provides Standard Conformance to the following private SOPs as an SCU/SCP (note support can be added for other private SOPs not listed here):

Private SOP Class Name	SOP CLASS UID
Fuji Private CR Storage	1.2.392.200036.9125.1.1.2
Siemens Private CSA Non-Image Storage	1.3.12.2.1107.5.9.1
Philips Private Specialized XA Image Storage	1.3.46.670589.2.3.1.1
Philips iE33 Private 3D Object Storage	1.3.46.670589.2.5.1.1

The AcuoMed Image Manager Application Entity provides Standard Conformance to the following Query/Retrieve SOPs as an SCU/SCP:

Query and Retrieve SOP Class Name	SOP CLASS UID
Patient Root Query	1.2.840.10008.5.1.4.1.2.1.1
Patient Root Move	1.2.840.10008.5.1.4.1.2.1.2
Study Root Query	1.2.840.10008.5.1.4.1.2.2.1
Study Root Move	1.2.840.10008.5.1.4.1.2.2.2
Patient/Study Root Query	1.2.840.10008.5.1.4.1.2.3.1
Patient/Study Root Move	1.2.840.10008.5.1.4.1.2.3.2

3.1.1 Association Establishment Policies

The AcuoMed Image Manager Application Entity initiates an association:

- In response to a C-Store request – an association is established to propagate the original C-Store to one or more additional DICOM device(s).
- In response to a C-Find request – an association is established to propagate the original C-Find to one or more additional DICOM device(s).
- In response to a C-Move request – an association is established to Store the images requested in the C-Move to one or more additional DICOM device(s).
- In response to a C-Move request – an association is established to propagate the original C-Move to one or more additional DICOM device(s).
- In response to the AcuoMed Image Manager being started and at regular intervals thereafter – an association is established for Modality Worklist C-Find to another DICOM device.
- In response to a Storage Commitment request – an association is established to send a Storage Commitment response to the requesting DICOM device.

3.1.2 General

Application Context Name	1.2.840.10008.3.1.1.1
Maximum PDU size offered	1,048,576 bytes
Maximum PDU size accepted	1,048,576 bytes

3.1.2.1 Number of Associations

The number of associations supported by the AcuoMed Image Manager Application Entity is configurable and should be set based on the capability of the host system.

3.1.2.2 Implementation Identifying Information

Implementation UID	1.2.840.114158.1.1.3
Implementation Version Name	AcuoMed

3.1.3 Association Initiation (SCU)

3.1.3.1 C-Store Request as an SCU

The AcuoMed Image Manager will initiate a C-Store request as an SCU under various scenarios, including the following examples (among others not listed here):

- An inbound C-Store request that is forwarded to one or more DICOM devices (AcuoMed or Non-AcuoMed devices).
- An inbound query/retrieve request (C-Find, C-Move) that results in AcuoMed initiating C-Store requests to one or more DICOM devices.
- A Move operation that is performed manually inside the AcuoMed Image Manager, which results in C-Stores to one or more DICOM devices.

Reference the table below. This shows the supported Abstract Syntaxes and Transfer Syntaxes for C-Store requests initiated as an SCU.

- The RLE Lossless Transfer Syntax (1.2.840.10008.1.2.5; not listed below) is also accepted and negotiated for any Abstract Syntax by default (the AcuoMed Image Manager can receive and send data in this format).
- Note: Support can be added for other Abstract Syntaxes and/or Transfer Syntaxes not listed below.

Abstract Syntax		Transfer Syntax		Role	Ext. Neg.
Name	UID	Name	UID		
Stored Print Storage	1.2.840.10008.5.1.1.27	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	NONE
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
Hardcopy Grayscale Image Storage	1.2.840.10008.5.1.1.29	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	NONE
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
Hardcopy Color Image Storage	1.2.840.10008.5.1.1.30	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	NONE
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
Computed Radiography Image Storage	1.2.840.10008.5.1.4.1.1.1	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	NONE
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
		JPEG Lossy 12 Bit	1.2.840.10008.1.2.4.51		
		JPEG Lossless	1.2.840.10008.1.2.4.70		
		JPEG 2000 Lossless	1.2.840.10008.1.2.4.90		
		JPEG 2000 Lossy	1.2.840.10008.1.2.4.91		

Table 3.1.3.1
Presentation Context for AcuoMed Image Manager AE, C-Store Request as SCU

Abstract Syntax		Transfer Syntax		Role	Ext. Neg.
Name	UID	Name	UID		
Digital X-Ray Image Storage (Presentation)	1.2.840.10008.5.1.4.1.1.1.1	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy 12 Bit JPEG Lossless JPEG 2000 Lossless JPEG 2000 Lossy	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91	SCU	NONE
Digital X-Ray Image Storage (Processing)	1.2.840.10008.5.1.4.1.1.1.1.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Digital Mammography Image Storage (Presentation)	1.2.840.10008.5.1.4.1.1.1.2	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy 12 Bit JPEG Lossless JPEG 2000 Lossless JPEG 2000 Lossy	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91	SCU	NONE
Digital Mammography Image Storage (Processing)	1.2.840.10008.5.1.4.1.1.1.2.1	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossless JPEG 2000 Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90	SCU	NONE
Digital Intra-oral X-Ray Image Storage (Presentation)	1.2.840.10008.5.1.4.1.1.1.3	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Digital Intra-oral X-Ray Image Storage (Processing)	1.2.840.10008.5.1.4.1.1.1.3.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Stand-alone Modality LUT Storage	1.2.840.10008.5.1.4.1.1.10	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Encapsulated PDF Storage	1.2.840.10008.5.1.4.1.1.104.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Encapsulated CDA Storage	1.2.840.10008.5.1.4.1.1.104.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Stand-alone VOI LUT Storage	1.2.840.10008.5.1.4.1.1.11	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Grayscale Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Color Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Pseudo-Color Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.3	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Blending Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.4	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
XA/XRF Grayscale Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.5	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Grayscale Planar MPR Volumetric Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.6	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Compositing Planar MPR Volumetric Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.7	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
X-Ray Angiographic Image Storage	1.2.840.10008.5.1.4.1.1.12.1	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy 8 Bit JPEG Lossless JPEG 2000 Lossless JPEG 2000 Lossy	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91	SCU	NONE
Enhanced XA Image Storage	1.2.840.10008.5.1.4.1.1.12.1.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE

Table 3.1.3.1

Presentation Context for AcuoMed Image Manager AE, C-Store Request as SCU

Abstract Syntax		Transfer Syntax		Role	Ext. Neg.
Name	UID	Name	UID		
X-Ray Radiofluoroscopic Image Storage	1.2.840.10008.5.1.4.1.1.12.2	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy 8 Bit JPEG Lossy 12 Bit JPEG Lossless JPEG 2000 Lossless JPEG 2000 Lossy	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91	SCU	NONE
Enhanced XRF Image Storage	1.2.840.10008.5.1.4.1.1.12.2.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
X-Ray Angiographic Bi-Plane Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.12.3	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Positron Emission Tomography Image Storage	1.2.840.10008.5.1.4.1.1.128	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossless JPEG 2000 Lossless JPEG 2000 Lossy	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91	SCU	NONE
Legacy Converted Enhanced PET Image Storage	1.2.840.10008.5.1.4.1.1.128.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Stand-alone PET Curve Storage	1.2.840.10008.5.1.4.1.1.129	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
X-Ray 3D Angiographic Image Storage	1.2.840.10008.5.1.4.1.1.13.1.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
X-Ray 3D Craniofacial Image Storage	1.2.840.10008.5.1.4.1.1.13.1.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Breast Tomosynthesis Image Storage	1.2.840.10008.5.1.4.1.1.13.1.3	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossless JPEG 2000 Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90	SCU	NONE
Breast Projection X-Ray Image Storage - For Presentation	1.2.840.10008.5.1.4.1.1.13.1.4	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Breast Projection X-Ray Image Storage - For Processing	1.2.840.10008.5.1.4.1.1.13.1.5	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Enhanced PET Image Storage	1.2.840.10008.5.1.4.1.1.130	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Basic Structured Display Storage	1.2.840.10008.5.1.4.1.1.131	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Intravascular Optical Coherence Tomography Image Storage - For Presentation	1.2.840.10008.5.1.4.1.1.14.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Intravascular Optical Coherence Tomography Image Storage - For Processing	1.2.840.10008.5.1.4.1.1.14.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
CT Image Storage	1.2.840.10008.5.1.4.1.1.2	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy 12 Bit JPEG Lossless JPEG 2000 Lossless JPEG 2000 Lossy	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91	SCU	NONE
Enhanced CT Image Storage	1.2.840.10008.5.1.4.1.1.2.1	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossless JPEG 2000 Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90	SCU	NONE

Table 3.1.3.1
Presentation Context for AcuoMed Image Manager AE, C-Store Request as SCU

Abstract Syntax		Transfer Syntax		Role	Ext. Neg.
Name	UID	Name	UID		
Legacy Converted Enhanced CT Image Storage	1.2.840.10008.5.1.4.1.1.2.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Nuclear Medicine Image Storage	1.2.840.10008.5.1.4.1.1.2.20	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy 8 Bit JPEG Lossless JPEG 2000 Lossless JPEG 2000 Lossy	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91	SCU	NONE
Ultrasound Multi-Frame Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.3	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy 8 Bit	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50	SCU	NONE
Ultrasound Multi-frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy 8 Bit JPEG Lossless JPEG 2000 Lossless JPEG 2000 Lossy	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91	SCU	NONE
Parametric Map Storage	1.2.840.10008.5.1.4.1.1.30	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
MR Image Storage	1.2.840.10008.5.1.4.1.1.4	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy 8 Bit JPEG Lossy 12 Bit JPEG Lossless JPEG 2000 Lossless JPEG 2000 Lossy	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91	SCU	NONE
Enhanced MR Image Storage	1.2.840.10008.5.1.4.1.1.4.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
MR Spectroscopy Storage	1.2.840.10008.5.1.4.1.1.4.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Enhanced MR Color Image Storage	1.2.840.10008.5.1.4.1.1.4.3	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Legacy Converted Enhanced MR Image Storage	1.2.840.10008.5.1.4.1.1.4.4	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
RT Image Storage	1.2.840.10008.5.1.4.1.1.481.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
RT Dose Storage	1.2.840.10008.5.1.4.1.1.481.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
RT Structure Set Storage	1.2.840.10008.5.1.4.1.1.481.3	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
RT Beams Treatment Record Storage	1.2.840.10008.5.1.4.1.1.481.4	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
RT Plan Storage	1.2.840.10008.5.1.4.1.1.481.5	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
RT Brachy Treatment Record Storage	1.2.840.10008.5.1.4.1.1.481.6	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
RT Treatment Summary Record Storage	1.2.840.10008.5.1.4.1.1.481.7	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
RT Ion Plan Storage	1.2.840.10008.5.1.4.1.1.481.8	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
RT Ion Beams Treatment Record Storage	1.2.840.10008.5.1.4.1.1.481.9	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE

Table 3.1.3.1
Presentation Context for AcuoMed Image Manager AE, C-Store Request as SCU

Abstract Syntax		Transfer Syntax		Role	Ext. Neg.
Name	UID	Name	UID		
Nuclear Medicine Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.5	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Ultrasound Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.6	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy 8 Bit JPEG Lossless JPEG 2000 Lossless JPEG 2000 Lossy	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91	SCU	NONE
Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6.1	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy 8 Bit JPEG Lossless JPEG 2000 Lossless JPEG 2000 Lossy	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91	SCU	NONE
Enhanced US Volume Storage	1.2.840.10008.5.1.4.1.1.6.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Raw Data Storage	1.2.840.10008.5.1.4.1.1.66	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Spatial Registration Storage	1.2.840.10008.5.1.4.1.1.66.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Spatial Fiducials Storage	1.2.840.10008.5.1.4.1.1.66.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Deformable Spatial Registration Storage	1.2.840.10008.5.1.4.1.1.66.3	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Segmentation Storage	1.2.840.10008.5.1.4.1.1.66.4	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Surface Segmentation Storage	1.2.840.10008.5.1.4.1.1.66.5	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Tractography Results Storage	1.2.840.10008.5.1.4.1.1.66.6	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Real World Value Mapping Storage	1.2.840.10008.5.1.4.1.1.67	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Surface Scan Mesh Storage	1.2.840.10008.5.1.4.1.1.68.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Surface Scan Point Cloud Storage	1.2.840.10008.5.1.4.1.1.68.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy 8 Bit JPEG Lossy 12 Bit JPEG Lossless JPEG 2000 Lossless JPEG 2000 Lossy MPEG-4 AVC/H.264 High Profile / Level 4.1 MPEG-4 AVC/H.264 BD-compatible High Profile / Level 4.1	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.4.102 1.2.840.10008.1.2.4.103	SCU	NONE
Multi-frame Single Bit Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE

Table 3.1.3.1

Presentation Context for AcuoMed Image Manager AE, C-Store Request as SCU

Abstract Syntax		Transfer Syntax		Role	Ext. Neg.
Name	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 Endian Explicit VR Little Endian JPEG Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.70	SCU	NONE
Multi-frame Grayscale Word Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.3	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossless JPEG 2000 Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90	SCU	NONE
Multi-frame True Color Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.4	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy 8 Bit JPEG Lossless MPEG2 Main Profile Main Level	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.100	SCU	NONE
VL Endoscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.1	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy 8 Bit JPEG Lossless JPEG 2000 Lossless JPEG 2000 Lossy	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91	SCU	NONE
Video Endoscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.1.1	Implicit VR Little Endian Explicit VR Little Endian MPEG2 Main Profile Main Level MPEG2 Main Profile High Level MPEG-4 AVC/H.264 High Profile / Level 4.1 MPEG-4 AVC/H.264 BD-compatible High Profile / Level 4.1	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.100 1.2.840.10008.1.2.4.101 1.2.840.10008.1.2.4.102 1.2.840.10008.1.2.4.103	SCU	NONE
VL Microscopic Image	1.2.840.10008.5.1.4.1.1.77.1.2	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy 8 Bit JPEG Lossless JPEG 2000 Lossless JPEG 2000 Lossy	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91	SCU	NONE

Table 3.1.3.1

Presentation Context for AcuoMed Image Manager AE, C-Store Request as SCU

Abstract Syntax		Transfer Syntax		Role	Ext. Neg.
Name	UID	Name	UID		
Video Microscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.2.1	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	NONE
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
		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		
VL Slide	1.2.840.10008.5.1.4.1.1.77.1.3	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
VL Photographic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.4	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	NONE
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
		JPEG Lossy 8 Bit	1.2.840.10008.1.2.4.50		
		JPEG Lossless	1.2.840.10008.1.2.4.70		
		JPEG 2000 Lossless	1.2.840.10008.1.2.4.90		
		JPEG 2000 Lossy	1.2.840.10008.1.2.4.91		
Video Photographic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.4.1	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	NONE
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
		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		
Ophthalmic Photography 8 Bit Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.1	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	NONE
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
		JPEG Lossy 8 Bit	1.2.840.10008.1.2.4.50		
		JPEG Lossless	1.2.840.10008.1.2.4.70		
		JPEG 2000 Lossless	1.2.840.10008.1.2.4.90		
		JPEG 2000 Lossy	1.2.840.10008.1.2.4.91		
Ophthalmic Photography 16 Bit Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Stereometric Relationship Storage	1.2.840.10008.5.1.4.1.1.77.1.5.3	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Ophthalmic Tomography Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.4	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	NONE
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
		JPEG Lossy 8 Bit	1.2.840.10008.1.2.4.50		
		JPEG Lossless	1.2.840.10008.1.2.4.70		
		JPEG 2000 Lossless	1.2.840.10008.1.2.4.90		
		JPEG 2000 Lossy	1.2.840.10008.1.2.4.91		

Table 3.1.3.1
Presentation Context for AcuoMed Image Manager AE, C-Store Request as SCU

Abstract Syntax		Transfer Syntax		Role	Ext. Neg.
Name	UID	Name	UID		
Wide Field Ophthalmic Photography Stereographic Projection Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.5	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Wide Field Ophthalmic Photography 3D Coordinates Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.6	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
VL Whole Slide Microscopy Image Storage	1.2.840.10008.5.1.4.1.1.77.1.6	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Lensometry Measurements Storage	1.2.840.10008.5.1.4.1.1.78.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Autorefractometry Measurements Storage	1.2.840.10008.5.1.4.1.1.78.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Keratometry Measurements Storage	1.2.840.10008.5.1.4.1.1.78.3	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Subjective Refraction Measurements Storage	1.2.840.10008.5.1.4.1.1.78.4	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Visual Acuity Measurements Storage	1.2.840.10008.5.1.4.1.1.78.5	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Spectacle Prescription Report Storage	1.2.840.10008.5.1.4.1.1.78.6	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Ophthalmic Axial Measurements Storage	1.2.840.10008.5.1.4.1.1.78.7	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Intraocular Lens Calculations Storage	1.2.840.10008.5.1.4.1.1.78.8	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Macular Grid Thickness and Volume Report	1.2.840.10008.5.1.4.1.1.79.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Stand-alone Overlay Storage	1.2.840.10008.5.1.4.1.1.8	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Ophthalmic Visual Field Static Perimetry Measurements Storage	1.2.840.10008.5.1.4.1.1.80.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Ophthalmic Thickness Map Storage	1.2.840.10008.5.1.4.1.1.81.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Corneal Topography Map Storage	1.2.840.10008.5.1.4.1.1.82.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Basic Text SR	1.2.840.10008.5.1.4.1.1.88.11	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Enhanced SR	1.2.840.10008.5.1.4.1.1.88.22	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Detail SR Storage - Trial (Retired)	1.2.840.10008.5.1.4.1.1.88.3	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Comprehensive SR	1.2.840.10008.5.1.4.1.1.88.33	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Comprehensive 3D SR Storage	1.2.840.10008.5.1.4.1.1.88.34	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Extensible SR Storage	1.2.840.10008.5.1.4.1.1.88.35	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Procedure Log Storage	1.2.840.10008.5.1.4.1.1.88.40	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Mammography CAD SR	1.2.840.10008.5.1.4.1.1.88.50	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Key Object Selection	1.2.840.10008.5.1.4.1.1.88.59	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Chest CAD SR Storage	1.2.840.10008.5.1.4.1.1.88.65	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE

Table 3.1.3.1
Presentation Context for AcuoMed Image Manager AE, C-Store Request as SCU

Abstract Syntax		Transfer Syntax		Role	Ext. Neg.
Name	UID	Name	UID		
X-Ray Radiation Dose SR	1.2.840.10008.5.1.4.1.1.88.67	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Radiopharmaceutical Radiation Dose SR Storage	1.2.840.10008.5.1.4.1.1.88.68	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Colon CAD SR Storage	1.2.840.10008.5.1.4.1.1.88.69	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Implantation Plan SR Document Storage	1.2.840.10008.5.1.4.1.1.88.70	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Acquisition Context SR Storage	1.2.840.10008.5.1.4.1.1.88.71	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Stand-alone Curve Storage	1.2.840.10008.5.1.4.1.1.9	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
12-Lead ECG Waveform	1.2.840.10008.5.1.4.1.1.9.1.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
General ECG Waveform	1.2.840.10008.5.1.4.1.1.9.1.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Ambulatory ECG Waveform	1.2.840.10008.5.1.4.1.1.9.1.3	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Hemodynamic Waveform	1.2.840.10008.5.1.4.1.1.9.2.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Cardiac Electrophysiology Waveform	1.2.840.10008.5.1.4.1.1.9.3.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Basic Voice Audio Waveform	1.2.840.10008.5.1.4.1.1.9.4.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
General Audio Waveform Storage	1.2.840.10008.5.1.4.1.1.9.4.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Arterial Pulse Waveform Storage	1.2.840.10008.5.1.4.1.1.9.5.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Respiratory Waveform Storage	1.2.840.10008.5.1.4.1.1.9.6.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Content Assessment Results Storage	1.2.840.10008.5.1.4.1.1.90.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
RT Brachy Application Setup Delivery Instruction Storage	1.2.840.10008.5.1.4.34.10	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
RT Beams Delivery Instruction Storage	1.2.840.10008.5.1.4.34.7	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Fuji Private CR Storage	1.2.392.200036.9125.1.1.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Siemens Private CSA Non-Image Storage	1.3.12.2.1107.5.9.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Philips Private Specialized XA Image Storage	1.3.46.670589.2.3.1.1	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.70	SCU	NONE
Philips iE33 Private 3D Object Storage	1.3.46.670589.2.5.1.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE

3.1.3.1.1 SOP Specific Conformance for Storage SOP Classes

The AcuoMed Image Manager Application Entity provides the following options:

- Stripping Private DICOM Tags from outbound C-Stores.
- Storing images outbound in their current format.
- Reformatting the outgoing Patient Name (0010, 0010) tag to a specified format.
- In the case of an image delete initiated from the AcuoMed Image Manager, an IOCM KO delete can be optionally sent to another device.

The Association Request has a single Transfer Syntax per Context ID allowing for Transfer Syntax Priority configuration.

Images that are currently or were previously compressed lossy are not compressed to a lossy format for outbound C-Stores.

If an error is encountered while trying to store the image or update the database, an error status message will be returned to the DICOM device. See Table 4.1 for error message detail.

3.1.3.2 C-Find Request as an SCU

The AcuoMed Image Manager will initiate a C-Find request as an SCU under various scenarios to one or more DICOM devices.

The AcuoMed Image Manager Application Entity provides an option of:

- Stripping Private DICOM Tags from outbound C-Finds.
- Reformatting the outgoing Patient Name (0010, 0010) tag to a specified format.

Reference the table below. This shows the supported Abstract Syntaxes and Transfer Syntaxes for C-Find requests initiated as an SCU.

Table 3.1.3.2 Presentation Context for AcuoMed Image Manager AE, C-Find Request as SCU					
Abstract Syntax		Transfer Syntax		Role	Ext. Neg.
Name	UID	Name	UID		
* Modality Worklist Information Model – FIND (* see below)	1.2.840.10008.5.1.4.31	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Patient Root Query	1.2.840.10008.5.1.4.1.2.1.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Study Root Query	1.2.840.10008.5.1.4.1.2.2.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Patient/Study Root Query	1.2.840.10008.5.1.4.1.2.3.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE

*Optional: Modality Worklist C-Find Proxy Support (Acuo will receive a C-Find from a modality and forward it to a MWL Server)

3.1.3.3 C-Move Request as an SCU

The AcuoMed Image Manager will initiate a C-Move request as an SCU under various scenarios to one or more DICOM devices.

The AcuoMed Image Manager Application Entity provides an option of:

- Stripping Private DICOM Tags from outbound C-Moves.
- Reformatting the outgoing Patient Name (0010, 0010) tag to a specified format.

Reference the table below. This shows the supported Abstract Syntaxes and Transfer Syntaxes for C-Move requests initiated as an SCU.

Table 3.1.3.3 Presentation Context for AcuoMed Image Manager AE, C-Move Request as SCU					
Abstract Syntax		Transfer Syntax		Role	Ext. Neg.
Name	UID	Name	UID		
Patient Root Retrieve	1.2.840.10008.5.1.4.1.2.1.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Study Root Retrieve	1.2.840.10008.5.1.4.1.2.2.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE
Patient/Study Root Retrieve	1.2.840.10008.5.1.4.1.2.3.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCU	NONE

3.1.3.4 Modality Worklist C-Find When AcuoMed Image Manager Is Started

When the AcuoMed Image Manager is started and Modality Worklist is configured, a Modality Worklist C-Find request is initiated at regular intervals (as configured) to a DICOM Device.

Reference the table below. This shows the supported Abstract Syntaxes and Transfer Syntaxes for Modality Worklist C-Find requests as an SCU.

Table 3.1.3.4 Presentation Context for AcuoMed Image Manager AE, Modality Worklist C-Find as SCU					
Abstract Syntax		Transfer Syntax		Role	Ext. Neg.
Name	UID	Name	UID		
Modality Worklist Query	1.2.840.10008.5.1.4.31	Implicit VR Little Endian	1.2.840.10008.1.2	SCU	NONE

The following attributes are included in the Modality Worklist C-Find Request:

Modality Worklist Query Tags		
Attribute/Tag Name	Tag	Default or Optional
Accession Number	0008, 0050	Default
Institution Name	0008, 0080	Optional
Referring Physician's Name	0008, 0090	Default
Referenced Study Sequence	0008, 1110	Optional
Patient Name	0010, 0010	Default
Patient ID	0010, 0020	Default
Patient's Birth Date	0010, 0030	Default
Patient's Sex	0010, 0040	Default
Patient's Weight	0010, 1030	Optional
Medical Alerts	0010, 2000	Optional
Contrast Allergies	0010, 2110	Optional
Pregnancy Status	0010, 21c0	Optional
Study Instance UID	0020, 000d	Default
Study Status ID	0032, 000a	Default
Requesting Physician	0032, 1032	Optional
Requested Procedure Description	0032, 1060	Optional
Admission ID	0038, 0010	Optional
Special Needs	0038, 0050	Optional
Current Patient Location	0038, 0300	Optional
Patient State	0038, 0500	Optional

Modality Worklist Query Tags		
Attribute/Tag Name	Tag	Default or Optional
Scheduled Procedure Step Sequence (tags inside this sequence are denoted → below)	0040, 0100	Default
→ Modality	0008, 0060	Optional
→ Requested Contrast Agent	0032, 1070	Optional
→ Scheduled Station AE Title	0040, 0001	Default
→ Scheduled Procedure Step Start Date	0040, 0002	Default
→ Scheduled Procedure Step Start Time	0040, 0003	Optional
→ Scheduled Procedure Step End Date	0040, 0004	Optional
→ Scheduled Procedure Step End Time	0040, 0005	Optional
→ Scheduled Performing Physician's Name	0040, 0006	Default
→ Scheduled Procedure Step Description	0040, 0007	Default
→ Scheduled Procedure Step ID	0040, 0009	Default
→ Scheduled Station Name	0040, 0010	Optional
→ Scheduled Procedure Step Location	0040, 0011	Optional
→ Pre-Medication	0040, 0012	Optional
→ Scheduled Procedure Step Status	0040, 0020	Optional
→ Comments on the Scheduled Procedure Step	0040, 0400	Optional
Requested Procedure ID	0040, 1001	Optional
Requested Procedure Priority	0040, 1003	Optional
Patient Transport Arrangements	0040, 1004	Optional
Confidentiality Constraint on Patient Data Description	0040, 3001	Optional

3.1.4 Association Acceptance (SCP)

3.1.4.1 Verification Request as SCP

The AcuoMed Image Manager Application Entity will accept associations for C-Echo and provide standard conformance to the DICOM Verification Service Class.

Reference the table below.

Abstract Syntax		Transfer Syntax		Role	Ext. Neg.
Name	UID	Name	UID		
Verification	1.2.840.10008.1.2	Implicit VR Little Endian	1.2.840.10008.1.2	SCP	NONE

3.1.4.2 C-Store Request as SCP

The AcuoMed Image Manager Application Entity will accept associations for C-Store and provide standard conformance to the DICOM Storage Service Class. The C-Store request is received from a DICOM device, the image is stored to media, the database is updated and a status of success is returned to the DICOM device.

Reference the table below. This shows the supported Abstract Syntaxes and Transfer Syntaxes for C-Store requests as an SCP.

- The RLE Lossless Transfer Syntax (1.2.840.10008.1.2.5; not listed below) is also accepted and negotiated for any Abstract Syntax by default (the AcuoMed Image Manager can receive and send data in this format).
- Note: Support can be added for other Abstract Syntaxes and/or Transfer Syntaxes not listed below.

Table 3.1.4.2					
Presentation Context for AcuoMed Image Manager AE, C-Store Requests as SCP					
Abstract Syntax		Transfer Syntax		Role	Ext. Neg.
Name	UID	Name	UID		
Stored Print Storage	1.2.840.10008.5.1.1.27	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Hardcopy Grayscale Image Storage	1.2.840.10008.5.1.1.29	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Hardcopy Color Image Storage	1.2.840.10008.5.1.1.30	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Computed Radiography Image Storage	1.2.840.10008.5.1.4.1.1.1	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy 12 Bit JPEG Lossless JPEG 2000 Lossless JPEG 2000 Lossy	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91	SCP	NONE
Digital X-Ray Image Storage (Presentation)	1.2.840.10008.5.1.4.1.1.1.1	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy 12 Bit JPEG Lossless JPEG 2000 Lossless JPEG 2000 Lossy	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91	SCP	NONE
Digital X-Ray Image Storage (Processing)	1.2.840.10008.5.1.4.1.1.1.1.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Digital Mammography Image Storage (Presentation)	1.2.840.10008.5.1.4.1.1.1.2	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy 12 Bit JPEG Lossless JPEG 2000 Lossless JPEG 2000 Lossy	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91	SCP	NONE
Digital Mammography Image Storage (Processing)	1.2.840.10008.5.1.4.1.1.1.2.1	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossless JPEG 2000 Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90	SCP	NONE
Digital Intra-oral X-Ray Image Storage (Presentation)	1.2.840.10008.5.1.4.1.1.1.3	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Digital Intra-oral X-Ray Image Storage (Processing)	1.2.840.10008.5.1.4.1.1.1.3.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Stand-alone Modality LUT Storage	1.2.840.10008.5.1.4.1.1.10	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Encapsulated PDF Storage	1.2.840.10008.5.1.4.1.1.104.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Encapsulated CDA Storage	1.2.840.10008.5.1.4.1.1.104.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Stand-alone VOI LUT Storage	1.2.840.10008.5.1.4.1.1.11	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Grayscale Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Color Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE

Table 3.1.4.2
Presentation Context for AcuoMed Image Manager AE, C-Store Requests as SCP

Abstract Syntax		Transfer Syntax		Role	Ext. Neg.
Name	UID	Name	UID		
Pseudo-Color Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.3	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Blending Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.4	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
XA/XRF Grayscale Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.5	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Grayscale Planar MPR Volumetric Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.6	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Compositing Planar MPR Volumetric Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.7	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
X-Ray Angiographic Image Storage	1.2.840.10008.5.1.4.1.1.12.1	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy 8 Bit JPEG Lossless JPEG 2000 Lossless JPEG 2000 Lossy	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91	SCP	NONE
Enhanced XA Image Storage	1.2.840.10008.5.1.4.1.1.12.1.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
X-Ray Radiofluoroscopic Image Storage	1.2.840.10008.5.1.4.1.1.12.2	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy 8 Bit JPEG Lossy 12 Bit JPEG Lossless JPEG 2000 Lossless JPEG 2000 Lossy	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91	SCP	NONE
Enhanced XRF Image Storage	1.2.840.10008.5.1.4.1.1.12.2.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
X-Ray Angiographic Bi-Plane Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.12.3	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Positron Emission Tomography Image Storage	1.2.840.10008.5.1.4.1.1.128	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossless JPEG 2000 Lossless JPEG 2000 Lossy	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91	SCP	NONE
Legacy Converted Enhanced PET Image Storage	1.2.840.10008.5.1.4.1.1.128.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Stand-alone PET Curve Storage	1.2.840.10008.5.1.4.1.1.129	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
X-Ray 3D Angiographic Image Storage	1.2.840.10008.5.1.4.1.1.13.1.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
X-Ray 3D Craniofacial Image Storage	1.2.840.10008.5.1.4.1.1.13.1.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Breast Tomosynthesis Image Storage	1.2.840.10008.5.1.4.1.1.13.1.3	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossless JPEG 2000 Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90	SCP	NONE
Breast Projection X-Ray Image Storage - For Presentation	1.2.840.10008.5.1.4.1.1.13.1.4	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Breast Projection X-Ray Image Storage - For Processing	1.2.840.10008.5.1.4.1.1.13.1.5	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Enhanced PET Image Storage	1.2.840.10008.5.1.4.1.1.130	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE

Table 3.1.4.2
Presentation Context for AcuoMed Image Manager AE, C-Store Requests as SCP

Abstract Syntax		Transfer Syntax		Role	Ext. Neg.
Name	UID	Name	UID		
Basic Structured Display Storage	1.2.840.10008.5.1.4.1.1.131	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Intravascular Optical Coherence Tomography Image Storage - For Presentation	1.2.840.10008.5.1.4.1.1.14.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Intravascular Optical Coherence Tomography Image Storage - For Processing	1.2.840.10008.5.1.4.1.1.14.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
CT Image Storage	1.2.840.10008.5.1.4.1.1.2	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy 12 Bit JPEG Lossless JPEG 2000 Lossless JPEG 2000 Lossy	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91	SCP	NONE
Enhanced CT Image Storage	1.2.840.10008.5.1.4.1.1.2.1	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossless JPEG 2000 Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90	SCP	NONE
Legacy Converted Enhanced CT Image Storage	1.2.840.10008.5.1.4.1.1.2.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Nuclear Medicine Image Storage	1.2.840.10008.5.1.4.1.1.2.20	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy 8 Bit JPEG Lossless JPEG 2000 Lossless JPEG 2000 Lossy	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91	SCP	NONE
Ultrasound Multi-Frame Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.3	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy 8 Bit	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50	SCP	NONE
Ultrasound Multi-frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy 8 Bit JPEG Lossless JPEG 2000 Lossless JPEG 2000 Lossy	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91	SCP	NONE
Parametric Map Storage	1.2.840.10008.5.1.4.1.1.30	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
MR Image Storage	1.2.840.10008.5.1.4.1.1.4	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy 8 Bit JPEG Lossy 12 Bit JPEG Lossless JPEG 2000 Lossless JPEG 2000 Lossy	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91	SCP	NONE
Enhanced MR Image Storage	1.2.840.10008.5.1.4.1.1.4.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
MR Spectroscopy Storage	1.2.840.10008.5.1.4.1.1.4.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Enhanced MR Color Image Storage	1.2.840.10008.5.1.4.1.1.4.3	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Legacy Converted Enhanced MR Image Storage	1.2.840.10008.5.1.4.1.1.4.4	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE

Table 3.1.4.2
Presentation Context for AcuoMed Image Manager AE, C-Store Requests as SCP

Abstract Syntax		Transfer Syntax		Role	Ext. Neg.
Name	UID	Name	UID		
RT Image Storage	1.2.840.10008.5.1.4.1.1.481.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
RT Dose Storage	1.2.840.10008.5.1.4.1.1.481.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
RT Structure Set Storage	1.2.840.10008.5.1.4.1.1.481.3	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
RT Beams Treatment Record Storage	1.2.840.10008.5.1.4.1.1.481.4	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
RT Plan Storage	1.2.840.10008.5.1.4.1.1.481.5	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
RT Brachy Treatment Record Storage	1.2.840.10008.5.1.4.1.1.481.6	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
RT Treatment Summary Record Storage	1.2.840.10008.5.1.4.1.1.481.7	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
RT Ion Plan Storage	1.2.840.10008.5.1.4.1.1.481.8	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
RT Ion Beams Treatment Record Storage	1.2.840.10008.5.1.4.1.1.481.9	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Nuclear Medicine Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.5	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Ultrasound Image Storage (Retired)	1.2.840.10008.5.1.4.1.1.6	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy 8 Bit JPEG Lossless JPEG 2000 Lossless JPEG 2000 Lossy	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91	SCP	NONE
Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6.1	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy 8 Bit JPEG Lossless JPEG 2000 Lossless JPEG 2000 Lossy	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91	SCP	NONE
Enhanced US Volume Storage	1.2.840.10008.5.1.4.1.1.6.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Raw Data Storage	1.2.840.10008.5.1.4.1.1.66	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Spatial Registration Storage	1.2.840.10008.5.1.4.1.1.66.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Spatial Fiducials Storage	1.2.840.10008.5.1.4.1.1.66.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Deformable Spatial Registration Storage	1.2.840.10008.5.1.4.1.1.66.3	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Segmentation Storage	1.2.840.10008.5.1.4.1.1.66.4	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Surface Segmentation Storage	1.2.840.10008.5.1.4.1.1.66.5	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Tractography Results Storage	1.2.840.10008.5.1.4.1.1.66.6	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Real World Value Mapping Storage	1.2.840.10008.5.1.4.1.1.67	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Surface Scan Mesh Storage	1.2.840.10008.5.1.4.1.1.68.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE

Table 3.1.4.2
Presentation Context for AcuoMed Image Manager AE, C-Store Requests as SCP

Abstract Syntax		Transfer Syntax		Role	Ext. Neg.
Name	UID	Name	UID		
Surface Scan Point Cloud Storage	1.2.840.10008.5.1.4.1.1.68.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy 8 Bit JPEG Lossy 12 Bit JPEG Lossless JPEG 2000 Lossless JPEG 2000 Lossy MPEG-4 AVC/H.264 High Profile / Level 4.1 MPEG-4 AVC/H.264 BD-compatible High Profile / Level 4.1	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.51 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91 1.2.840.10008.1.2.4.102 1.2.840.10008.1.2.4.103	SCP	NONE
Multi-frame Single Bit Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Multi-frame Grayscale Byte Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.2	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.70	SCP	NONE
Multi-frame Grayscale Word Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.3	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossless JPEG 2000 Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90	SCP	NONE
Multi-frame True Color Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7.4	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy 8 Bit JPEG Lossless MPEG2 Main Profile Main Level	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.100	SCP	NONE
VL Endoscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.1	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy 8 Bit JPEG Lossless JPEG 2000 Lossless JPEG 2000 Lossy	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91	SCP	NONE
Video Endoscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.1.1	Implicit VR Little Endian Explicit VR Little Endian MPEG2 Main Profile Main Level MPEG2 Main Profile High Level MPEG-4 AVC/H.264 High Profile / Level 4.1 MPEG-4 AVC/H.264 BD-compatible High Profile / Level 4.1	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.100 1.2.840.10008.1.2.4.101 1.2.840.10008.1.2.4.102 1.2.840.10008.1.2.4.103	SCP	NONE

Table 3.1.4.2
Presentation Context for AcuoMed Image Manager AE, C-Store Requests as SCP

Abstract Syntax		Transfer Syntax		Role	Ext. Neg.
Name	UID	Name	UID		
VL Microscopic Image	1.2.840.10008.5.1.4.1.1.77.1.2	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy 8 Bit JPEG Lossless JPEG 2000 Lossless JPEG 2000 Lossy	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91	SCP	NONE
Video Microscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.2.1	Implicit VR Little Endian Explicit VR Little Endian MPEG2 Main Profile Main Level MPEG2 Main Profile High Level MPEG-4 AVC/H.264 High Profile / Level 4.1 MPEG-4 AVC/H.264 BD-compatible High Profile / Level 4.1	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.100 1.2.840.10008.1.2.4.101 1.2.840.10008.1.2.4.102 1.2.840.10008.1.2.4.103	SCP	NONE
VL Slide	1.2.840.10008.5.1.4.1.1.77.1.3	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
VL Photographic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.4	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy 8 Bit JPEG Lossless JPEG 2000 Lossless JPEG 2000 Lossy	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91	SCP	NONE
Video Photographic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.4.1	Implicit VR Little Endian Explicit VR Little Endian MPEG2 Main Profile Main Level MPEG2 Main Profile High Level MPEG-4 AVC/H.264 High Profile / Level 4.1 MPEG-4 AVC/H.264 BD-compatible High Profile / Level 4.1	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.100 1.2.840.10008.1.2.4.101 1.2.840.10008.1.2.4.102 1.2.840.10008.1.2.4.103	SCP	NONE
Ophthalmic Photography 8 Bit Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.1	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy 8 Bit JPEG Lossless JPEG 2000 Lossless JPEG 2000 Lossy	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91	SCP	NONE
Ophthalmic Photography 16 Bit Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Stereometric Relationship Storage	1.2.840.10008.5.1.4.1.1.77.1.5.3	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE

Table 3.1.4.2
Presentation Context for AcuoMed Image Manager AE, C-Store Requests as SCP

Abstract Syntax		Transfer Syntax		Role	Ext. Neg.
Name	UID	Name	UID		
Ophthalmic Tomography Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.4	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossy 8 Bit JPEG Lossless JPEG 2000 Lossless JPEG 2000 Lossy	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.50 1.2.840.10008.1.2.4.70 1.2.840.10008.1.2.4.90 1.2.840.10008.1.2.4.91	SCP	NONE
Wide Field Ophthalmic Photography Stereographic Projection Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.5	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Wide Field Ophthalmic Photography 3D Coordinates Image Storage	1.2.840.10008.5.1.4.1.1.77.1.5.6	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
VL Whole Slide Microscopy Image Storage	1.2.840.10008.5.1.4.1.1.77.1.6	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Lensometry Measurements Storage	1.2.840.10008.5.1.4.1.1.78.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Autorefractometry Measurements Storage	1.2.840.10008.5.1.4.1.1.78.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Keratometry Measurements Storage	1.2.840.10008.5.1.4.1.1.78.3	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Subjective Refraction Measurements Storage	1.2.840.10008.5.1.4.1.1.78.4	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Visual Acuity Measurements Storage	1.2.840.10008.5.1.4.1.1.78.5	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Spectacle Prescription Report Storage	1.2.840.10008.5.1.4.1.1.78.6	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Ophthalmic Axial Measurements Storage	1.2.840.10008.5.1.4.1.1.78.7	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Intraocular Lens Calculations Storage	1.2.840.10008.5.1.4.1.1.78.8	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Macular Grid Thickness and Volume Report	1.2.840.10008.5.1.4.1.1.79.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Stand-alone Overlay Storage	1.2.840.10008.5.1.4.1.1.8	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Ophthalmic Visual Field Static Perimetry Measurements Storage	1.2.840.10008.5.1.4.1.1.80.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Ophthalmic Thickness Map Storage	1.2.840.10008.5.1.4.1.1.81.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Corneal Topography Map Storage	1.2.840.10008.5.1.4.1.1.82.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Basic Text SR	1.2.840.10008.5.1.4.1.1.88.11	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Enhanced SR	1.2.840.10008.5.1.4.1.1.88.22	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Detail SR Storage - Trial (Retired)	1.2.840.10008.5.1.4.1.1.88.3	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Comprehensive SR	1.2.840.10008.5.1.4.1.1.88.33	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Comprehensive 3D SR Storage	1.2.840.10008.5.1.4.1.1.88.34	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Extensible SR Storage	1.2.840.10008.5.1.4.1.1.88.35	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Procedure Log Storage	1.2.840.10008.5.1.4.1.1.88.40	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE

Table 3.1.4.2
Presentation Context for AcuoMed Image Manager AE, C-Store Requests as SCP

Abstract Syntax		Transfer Syntax		Role	Ext. Neg.
Name	UID	Name	UID		
Mammography CAD SR	1.2.840.10008.5.1.4.1.1.88.50	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Key Object Selection	1.2.840.10008.5.1.4.1.1.88.59	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Chest CAD SR Storage	1.2.840.10008.5.1.4.1.1.88.65	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
X-Ray Radiation Dose SR	1.2.840.10008.5.1.4.1.1.88.67	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Radiopharmaceutical Radiation Dose SR Storage	1.2.840.10008.5.1.4.1.1.88.68	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Colon CAD SR Storage	1.2.840.10008.5.1.4.1.1.88.69	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Implantation Plan SR Document Storage	1.2.840.10008.5.1.4.1.1.88.70	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Acquisition Context SR Storage	1.2.840.10008.5.1.4.1.1.88.71	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Stand-alone Curve Storage	1.2.840.10008.5.1.4.1.1.9	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
12-Lead ECG Waveform	1.2.840.10008.5.1.4.1.1.9.1.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
General ECG Waveform	1.2.840.10008.5.1.4.1.1.9.1.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Ambulatory ECG Waveform	1.2.840.10008.5.1.4.1.1.9.1.3	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Hemodynamic Waveform	1.2.840.10008.5.1.4.1.1.9.2.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Cardiac Electrophysiology Waveform	1.2.840.10008.5.1.4.1.1.9.3.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Basic Voice Audio Waveform	1.2.840.10008.5.1.4.1.1.9.4.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
General Audio Waveform Storage	1.2.840.10008.5.1.4.1.1.9.4.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Arterial Pulse Waveform Storage	1.2.840.10008.5.1.4.1.1.9.5.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Respiratory Waveform Storage	1.2.840.10008.5.1.4.1.1.9.6.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Content Assessment Results Storage	1.2.840.10008.5.1.4.1.1.90.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
RT Brachy Application Setup Delivery Instruction Storage	1.2.840.10008.5.1.4.34.10	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
RT Beams Delivery Instruction Storage	1.2.840.10008.5.1.4.34.7	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
				SCP	
Fuji Private CR Storage	1.2.392.200036.9125.1.1.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Siemens Private CSA Non-Image Storage	1.3.12.2.1107.5.9.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Philips Private Specialized XA Image Storage	1.3.46.670589.2.3.1.1	Implicit VR Little Endian Explicit VR Little Endian JPEG Lossless	1.2.840.10008.1.2 1.2.840.10008.1.2.1 1.2.840.10008.1.2.4.70	SCP	NONE
Philips iE33 Private 3D Object Storage	1.3.46.670589.2.5.1.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE

3.1.4.2.1 SOP Specific Conformance for Storage SOP Class

The AcuoMed Image Manager Application Entity:

- Provides Level 2 DICOM conformance to the Storage SOP Classes. No coercion is performed on data elements received.
- Processing DICOM Duplicates by keeping the First Received, Last Received, Highest Quality or Lossless over Full Fidelity.
- Will reject an inbound C-Store if any of the following tags are missing:
 - SOP Class UID (0008, 0016)
 - SOP Instance UID (0008, 0018)
 - Patient ID (0010, 0020)
 - Study Instance UID (0020, 000d)
 - Series Instance UID (0020, 000e)
- Truncates Study ID (0020, 0010) and Accession Number (0008, 0050) length to 16 when a C-Store is received with tag length greater than 16.
- Populates the DICOM Database with Modalities in Study (0008, 0061) Tag from the Series Level Tag Modality (0008, 0060) value(s).
- If a Key Object Selection SOP is received (1.2.840.10008.5.1.4.1.1.88.59), the store will be processed as an IOCM KO Delete if an associated (image removal) reason is populated in the Concept Name Code Sequence (0040, a043). Images are deleted for all IOCM KO deletes as follows:
 - For code 113039 (Data Retention Policy Expired), the referenced images and KO are permanently deleted.
 - For all other KO deletes, the referenced images are deleted from the DICOM Database and moved to the Recycle Bin. The KO is stored to the DICOM Database.

The AcuoMed Image Manager Application Entity provides an option of:

- Mapping DICOM tag values obtained from the Radiology Information System to incoming DICOM Images.
- Appending or replacing a specified DICOM tag value with a new specified value.
- Normalizing incoming Patient's Name (0010, 0010) tags to the DICOM Standard.
- Transfer Syntax priority is configurable.
- JPEG Lossy Compression Quality is configurable.
- In the case of an IOCM KO object, an option is available to filter these from query/retrieve requests.
- If an error is encountered while trying to store the image or update the database, an error status message will be returned to the DICOM device. See Table 4.1 for error message detail.

3.1.4.3 C-Find Request as SCP

The AcuoMed Image Manager Application Entity will accept associations for C-Find and provide standard conformance to the DICOM Query/Retrieve Service Class.

Abstract Syntax		Transfer Syntax		Role	Ext. Neg.
Name	UID	Name	UID		
Patient Root Query	1.2.840.10008.5.1.4.1.2.1.1	Implicit VR Little Endian	1.2.840.10008.1.2	SCP	NONE
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
Study Root Query	1.2.840.10008.5.1.4.1.2.2.1	Implicit VR Little Endian	1.2.840.10008.1.2	SCP	NONE
		Explicit VR Little Endian	1.2.840.10008.1.2.1		
Patient/Study Root Query	1.2.840.10008.5.1.4.1.2.3.1	Implicit VR Little Endian	1.2.840.10008.1.2	SCP	NONE
		Explicit VR Little Endian	1.2.840.10008.1.2.1		

3.1.4.3.1 SOP Specific Conformance for Query SOP Classes

The AcuoMed Image Manager Application Entity supports hierarchical queries only.

If an error is encountered while trying to process the query, an error status message will be returned to the DICOM device. See Table 4.1 for error message detail.

The following attributes are supported for the C-Find operation:

Patient Level Attribute Name	Tag	Supported Matching Attribute	Supported Return Attribute
Patient's Name	0010,0010	Yes	Yes
Patient ID	0010,0020	Yes	Yes
Patient's Birth Date	0010,0030	Yes	Yes
Patient's Sex	0010,0040	Yes	Yes

Study Level Attribute Name	Tag	Supported Matching Attribute	Supported Return Attribute
Study Instance UID	0020,000D	Yes	Yes
Study Date	0008,0020	Yes	Yes
Study Time	0008,0030	No	Yes
Referring Physician's Name	0008,0090	Yes	Yes
Name of physician reading study	0008,1060	Yes	Yes
Study ID	0020,0010	Yes	Yes
Accession Number	0008,0050	Yes	Yes
Modalities in Study	0008,0061	Yes	Yes
Study Description	0008,1030	No	Yes

Series Level Attribute Name	Tag	Supported Matching Attribute	Supported Return Attribute
Modality	0008,0060	Yes	Yes
Series Description	0008,103e	Yes	Yes
Body Part Examined	0018,0015	No	Yes
Series Instance UID	0020,000E	Yes	Yes
Series Number	0020,0011	Yes	Yes

Image Level Attribute Name	Tag	Supported Matching Attribute	Supported Return Attribute
Image Number	0020,0013	Yes	Yes
SOP Class UID	0008,0016	No	Yes
SOP Instance UID	0008,0018	Yes	Yes

3.1.4.4 C-Move Request as SCP

The AcuoMed Image Manager Application Entity will accept associations for C-Move and provide standard conformance to the DICOM Query/Retrieve Service Class.

Table 3.1.4.4 Presentation Context for AcuoMed Image Manager AE, C-Move as SCP					
Abstract Syntax		Transfer Syntax		Role	Ext. Neg.
Name	UID	Name	UID		
Patient Root Retrieve	1.2.840.10008.5.1.4.1.2.1.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Study Root Retrieve	1.2.840.10008.5.1.4.1.2.2.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE
Patient/Study Root Retrieve	1.2.840.10008.5.1.4.1.2.3.2	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE

3.1.4.4.1 SOP Specific Conformance for Retrieve SOP Classes

If an error is encountered while trying to process the retrieve, an error status message will be returned to the DICOM device. See Table 4.1 for error message detail.

3.1.4.5 Storage Commitment Request as SCP

The AcuoMed Image Manager Application Entity will accept associations for Storage Commitment and provide standard conformance to the DICOM Storage Commitment Service Class.

Table 3.1.4.5 Presentation Context for AcuoMed Image Manager AE, Storage Commitment as SCP					
Abstract Syntax		Transfer Syntax		Role	Ext. Neg.
Name	UID	Name	UID		
Storage Commitment Push Model	1.2.840.10008.1.20.1	Implicit VR Little Endian Explicit VR Little Endian	1.2.840.10008.1.2 1.2.840.10008.1.2.1	SCP	NONE

3.1.4.5.1 SOP Specific Conformance for Storage Commitment SOP Classes

If an error is encountered while trying to process the Storage Commitment, an error status message will be returned to the DICOM device. See Table 4.1 for error message detail.

4 Acuo Error Messages

Table 4.1 – Error Statuses

Table 4.1 Error Status Table		
Error	Description	Meaning
C800H	SOP Error	Indicates that a SOP was utilized that was not accepted during the Association Negotiation.
C801H	Command Error	Indicates that the DICOM Command is not supported.
C802H	C-Move Error	Indicates that no Images were Stored in relation to a C-Move Request.
C803H	Context ID Error	Indicates an Incorrect Context ID.
C804H	Configuration Error	Indicates an Acuo Move Level Configuration error.
C805H	Timeout Error	Indicates a C-Store or C-Move Timeout.
C807H	Network Error	Indicates a DICOM Client closed a network connection inappropriately.
C808H	Invalid Tag Sequence	Indicates a Sequence Item was encountered outside a Sequence.
C809H	Encryption Key Error	Indicates an invalid encryption key.
C810H	File Writer Error	Indicates an error related to the writing of a file.
C900H	C-Move Error	No images matched the incoming C-MOVE identifier

5 Communication Profiles

5.1 Supported Communication Stacks

AcuoMed Image Manager provides DICOM v3.0 TCP/IP Network Communication Support as defined in Part 8 of the DICOM Standard.

5.2 TCP/IP Stack

AcuoMed Image Manager utilizes the TCP/IP stack from the Microsoft Windows platform. WinSock v2.2 is the specific stack utilized.

5.3 Physical Media Support

AcuoMed Image Manager is independent of the physical medium over which TCP/IP executes.

6 Private SOP Information

6.1 The AcuoMed Image Manager Application Entity

The AcuoMed Image Manager Application Entity provides conformance to the following Private SOP Class as a SCU/SCP:

Abstract Syntax		Transfer Syntax		Role	Ext. Neg.
Name	UID	Name	UID		
Acuo Patient Management	1.2.840.114158.100.1.1	Implicit VR Little Endian	1.2.840.10008.1.2	SCU / SCP	NONE

The AcuoMed Image Manager Application Entity will initiate and accept associations for C-Store and provide conformance to the Private SOP Class. The C-Store request is received from an AcuoMed Image Manager, the database is updated and a status of success is returned to the sending AcuoMed Image Manager.

6.2 Association Establishment Policies

The AcuoMed Image Manager Application Entity initiates an association:

- In response to Receiving a Patient Update from the RIS – an association is established to propagate an Acuo Patient Management Update to all Acuo Image Managers.
- In response to a Reconciliation Event – an association is established to propagate an Acuo Patient Management Update to all Acuo Image Managers.
- In response to Editing Patient Demographics utilizing Patient Management – an association is established to propagate an Acuo Patient Management Update to all Acuo Image Managers.

7 Configuration

The AcuoMed Image Manager utilizes a snap-in for the Microsoft Management Console (MMC) for managing configurable parameters.

7.1 Configurable Parameters

- For more detailed information on the DICOM configuration parameters available for AcuoMed, refer to the *AcuoMed Product Guide*.

The following items are configurable for each SCP Application Entity:

- IP Address
- Port Numbers
- Maximum number of concurrent DICOM Associations accepted
- Application Entity Titles
- SOPs and Transfer Syntaxes
- Transfer Syntax Priority
- Whether to send intermediate or final responses for C-Move operations
- DICOM Tag Rule routing
- Store routing statements – AcuoMed and DICOM devices
- Query and Retrieve routing statements – AcuoMed and DICOM devices
- Implementation Class UID
- Implementation Version Name
- A list of known DICOM devices and the ability to only accept associations from those on the list
- Enabling Direct processing of C-Stores
- Enabling Batch processing of C-Stores
- Configuring priority and number of store processes running in Batch Store
- Create multiple DICOM databases
- Create permanent or temporal databases
- Enabling Reconciliation
- Enabling Encryption
- Store Destination Filtering
- Postfetching

- Domain
- Tag Mapping

The following items are configurable for each SCU Application Entity:

- IP Address
- Port Numbers
- Application Entity Titles
- SOPs and Transfer Syntaxes
- Collaborative Move Level
- Collaborative Move Priority
- Transfer Syntax Priority
- Implementation Class UID
- Implementation Version Name
- Batch Store Processing
- Domain
- Tag Mapping

The following administrative features are configurable:

- Configure tracing logs for content and volume
- Enable the DICOM Decode tool
- Enable the DICOM Replay tool