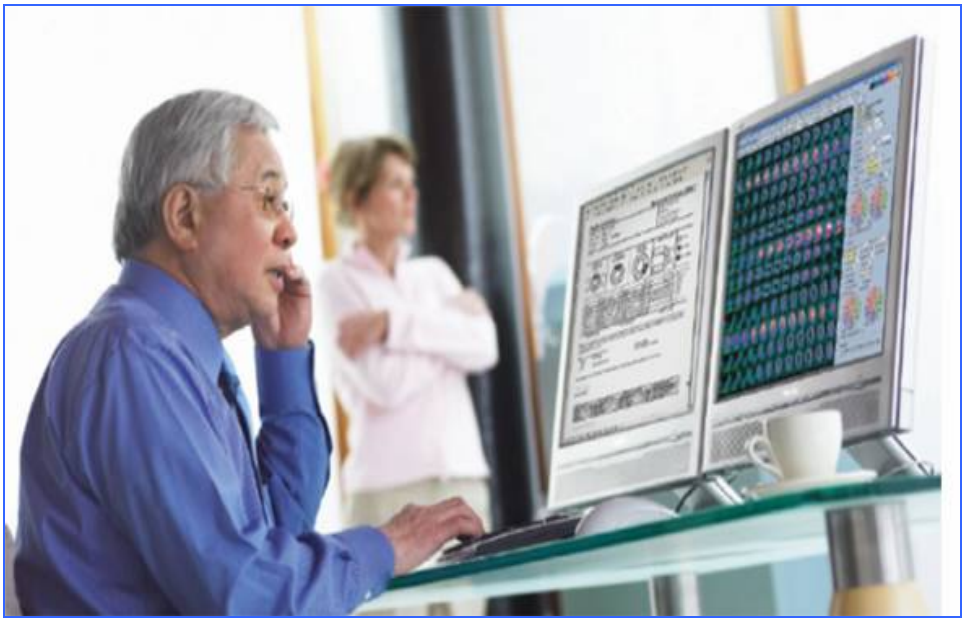
DICOM

Conformance Statement

JETStream® Workspace 3.0



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1. DICOM CONFORMANCE STATEMENT OVERVIEW

This document states the conformance of the JETStream Workspace product to DICOM 3.0 standard. It applies to the JETStream Workspace DICOM software version 1.0 or higher. The JETStream Workspace.

The JETStream Workspace provides standard conformance to the following DICOM SOP classes:

Table 1: Network Services

SOP Class		User of Service (SCU)	Provider of Service (SCP)
Name	**UID**		
Transfer			
Nuclear Medicine Image Storage	1.2.840.10008.5.1.4.1.1.20	Yes	Yes
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7	Yes	Yes
CT Image Storage	1.2.840.10008.5.1.4.1.1.2	Yes	Yes
MR Image Storage	1.2.840.10008.5.1.4.1.1.4	Yes	Yes
Digital X-Ray Image Storage	1.2.840.10008.5.1.4.1.1.1.1	Yes	Yes
Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6.1	Yes	Yes
Positron Emission Tomography Image Storage	1.2.840.10008.5.1.4.1.1.128	Yes	Yes
Computed Radiography Image Storage	1.2.840.10008.5.1.4.1.1.1	Yes	Yes
Query/Retrieve			
Query/Retrieve Study Root FIND	1.2.840.10008.5.1.4.1.2.2.1	Yes	Yes
Query/Retrieve Study Root MOVE	1.2.840.10008.5.1.4.1.2.2.2	Yes	Yes
Print Management			
Basic Grayscale Print Management Meta SOP Class	1.2.840.10008.5.1.1.9	Yes	No
Basic Color Print Management Meta SOP Class	1.2.840.10008.5.1.1.18	Yes	No
Workflow Management			
Storage Commitment Push Model	1.2.840.10008.1.20.1	Yes	Yes

Note: Verification SCU (C-ECHO) is not included in the table since it is provided more like a debug utility than a feature. The Verification SCU details are covered in the details of the conformance statement.

2. TABLE OF CONTENTS

3. INTRODUCTION

3.1. Revision History

Table 2: Revision History

Document Version	Date of Issue	Author	Description
0.1	02/15/2007	Richa Oberoi	Initial Draft
1.0	03/09/2007	Richa Oberoi	Incorporated review comments

3.2. Audience

This Conformance Statement is intended for:

- (Potential) customers
- System integrators of medical equipment
- Marketing staff interested in system functionality
- Software designers implementing DICOM interfaces

It is assumed that the reader is familiar with the DICOM standard.

3.3. Remarks

The DICOM Conformance Statement is contained in chapter 4 through 8 and follows the contents and structuring requirements of [DICOM] PS 3.2.

This DICOM Conformance Statement by itself does not guarantee successful interoperability of Philips equipment with non-Philips equipment. The user (or user's agent) should be aware of the following issues:

- **Interoperability**
  Interoperability refers to the ability of application functions, distributed over two or more systems, to work successfully together. The integration of medical devices into an IT environment may require application functions that are not specified within the scope of DICOM. Consequently, using only the information provided by this Conformance Statement does not guarantee interoperability of Philips equipment with non-Philips equipment.
  It is the user's responsibility to analyze thoroughly the application requirements and to specify a solution that integrates Philips equipment with non-Philips equipment.

- **Validation**
  Philips equipment has been carefully tested to assure that the actual implementation of the DICOM interface corresponds with this Conformance Statement.
  Where Philips equipment is linked to non-Philips equipment, the first step is to compare the relevant Conformance Statements. If the Conformance Statements indicate that successful information exchange should be possible, additional validation tests will be necessary to ensure the functionality, performance, accuracy and stability of image and image related data. It is the responsibility of

the user (or user's agent) to specify the appropriate test suite and to carry out the additional validation tests.

- **New versions of the DICOM Standard**
  The DICOM Standard will evolve in future to meet the user's growing requirements and to incorporate new features and technologies. Philips is actively involved in this evolution and plans to adapt its equipment to future versions of the DICOM Standard. In order to do so, Philips reserves the right to make changes to its products or to discontinue its delivery.
  The user should ensure that any non-Philips provider linking to Philips equipment also adapts to future versions of the DICOM Standard. If not, the incorporation of DICOM enhancements into Philips equipment may lead to loss of connectivity (in case of networking) and incompatibility (in case of media).

3.4. Definitions, Terms and Abbreviations

DICOM definitions, terms and abbreviations are used throughout this Conformance Statement. For a description of these, see [DICOM] PS 3.3 and PS 3.4.
The word Philips in this document refers to Philips Medical Systems.
JETStream Workspace refers to JETStream Workspace Release 3.0.

The following acronyms and abbreviations are used in this document.

AE	Application Entity
DICOM	Digital Imaging and Communications in Medicine
EBE	DICOM Explicit VR Big Endian
ELE	DICOM Explicit VR Little Endian
ILE	DICOM Implicit VR Little Endian
IOD	Information Object Definition
NEMA	National Electrical Manufacturers Association
NM	Nuclear Medicine
RWA	Real-World Activity
SCP	Service Class Provider
SCU	Service Class User
SOP	Service Object Pair
TCP/IP	Transmission Control Protocol/Internet Protocol
UID	Unique Identifier
USB	Universal Serial Bus

3.5. References

1. [DICOM]

Digital Imaging and Communications in Medicine (DICOM 2003), Part 1 – 18 (NEMA PS 3.1 – PS 3.18), National Electrical Manufacturers Association (NEMA), Publication Sales 1300 N. 17th Street, Suite 1847
Rosslyn, Virginia. 22209, United States of America

2. [JETStream Workspace Guide]

JETStream Workspace Installation and Configuration Guide – Part No. 9202-5022D Rev A

4. NETWORKING

This section contains the networking related services

4.1. Implementation model

The implementation model consists of three sections:

- The application data flow diagram, specifying the relationship between the Application Entities and the “external world” or Real-World Activities,
- A functional description of each Application Entity, and
- The sequencing constraints among them.

4.1.1. Application Data Flow

Jet Stream Workspace System incorporates one networking Application Entities (AE). The related implementation model is shown in Figure 1.

4.1.1.1. Application Data Flow Diagram for C-Store, Query/Retrieve, Archive & Print

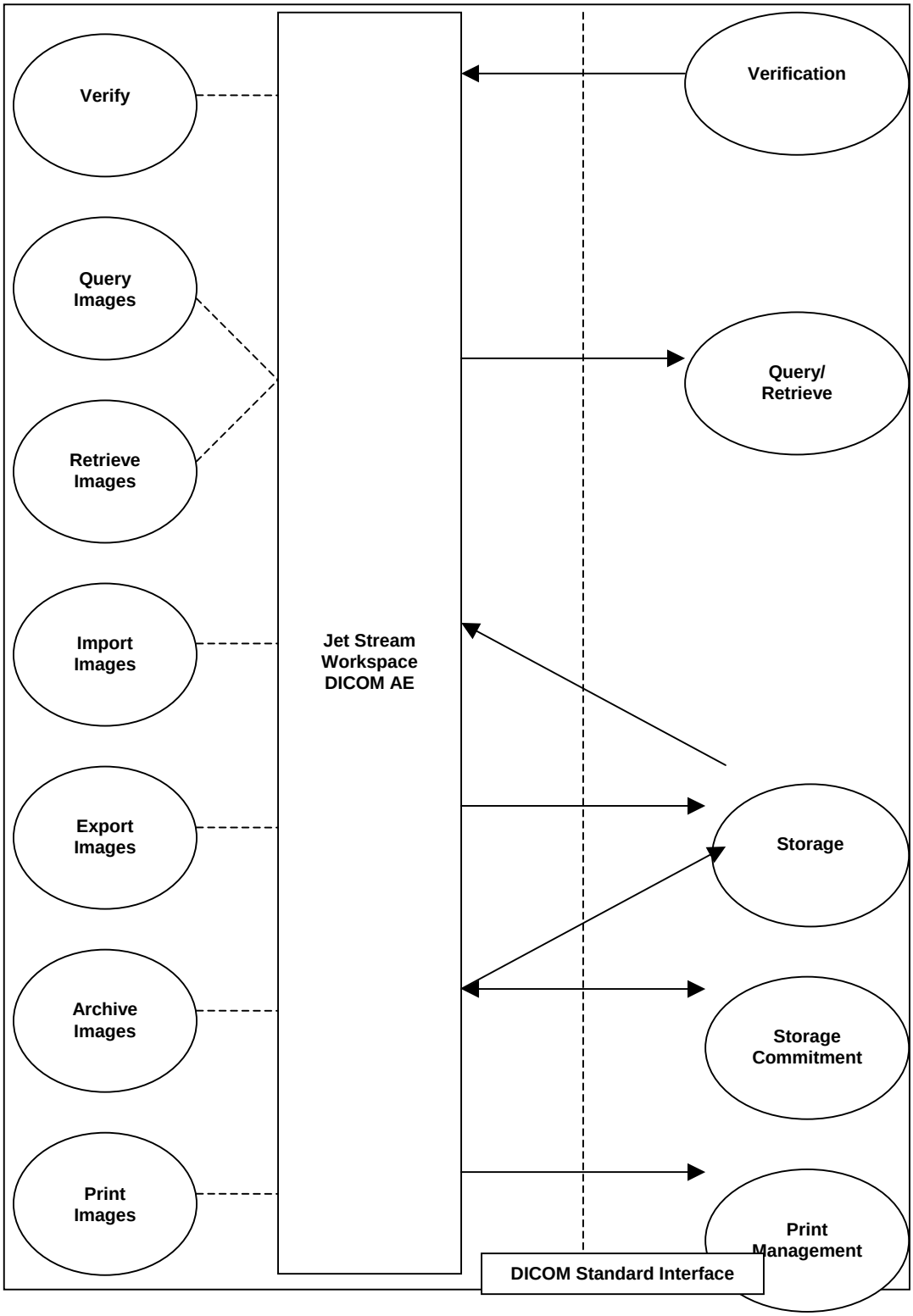


Figure 1: Application Data Flow Diagram

4.1.2. Functional Definition of AE's

4.1.2.1. Functional Definition of JETStream Workspace

This section describes in general terms the functions to be performed by the AE, and the DICOM services used to accomplish these functions.

4.1.2.1.1. Verify

The JETStream Workspace Network AE as Verification SCU and Verification SCP implements the RWA Verify to handle verification requests.

4.1.2.1.2. Query Images

The JETStream Workspace Network AE as Query/Retrieve SCU implements the RWA Query Images to find Examinations on a remote system (e.g. PACS). The JETStream Workspace Network AE as Query/Retrieve SCP implements the RWA Query by returning Examinations on a remote system Query.

4.1.2.1.3. Retrieve Images

The JETStream Workspace Network AE as Query/Retrieve SCU implements the RWA Retrieve Images to initiate import images from a remote system (e.g. PACS). The JETStream Workspace Network AE as Query/Retrieve SCP implements the RWA Retrieve Images to store images to a remote system initiating an import.

4.1.2.1.4. Import Images

The JETStream Workspace Network AE as Storage SCP implements the RWA Import Images to store images from a remote archive using the relevant storage SOP class. The JETStream Workspace Network AE will respond to a remote request and store the images in the patient database.

4.1.2.1.5. Export Images

The JETStream Workspace Network AE as Storage SCU implements the RWA Export Images to store images and related object data on a remote system using the relevant storage SOP class. The images and object data, as selected per Examinations, can be sent to a selected remote system.

4.1.2.1.6. Archive Images

The JETStream Workspace Network AE implements the RWA Archive Images to store (as Storage SCU) and, if configured, commit (as Storage Commitment SCU) images on the configured remote archive (e.g. PACS) using the Storage SOP Class and Storage Commitment Push Model SOP class. After all images have been exported the JETStream Workspace Network AE will release the association. Then for each image the JETStream Workspace Network AE will initiate a new association with the storage SCP to request storage commitment. JETStream Network AE can handle storage commit in both ways - synchronous and asynchronous.

The JETStream Workspace Network AE implements the RWA Archive Images as Storage Commitment SCP responding to Storage Commit requests and sending event reports.

4.1.2.1.7. Print Images

The JETStream Workspace Network AE as Print Management SCU implements the RWA Print Images to send and print images on a DICOM network printer using the Basic Grayscale Print Management Meta SOP class or Basic Color Print Management Meta SOP class.

4.1.3. Sequencing of Real World Activities

The sequence diagram in Figure 2 shows a typical example of a workflow (using an acquisition modality storing images to the workstation, a single storage with commitment).

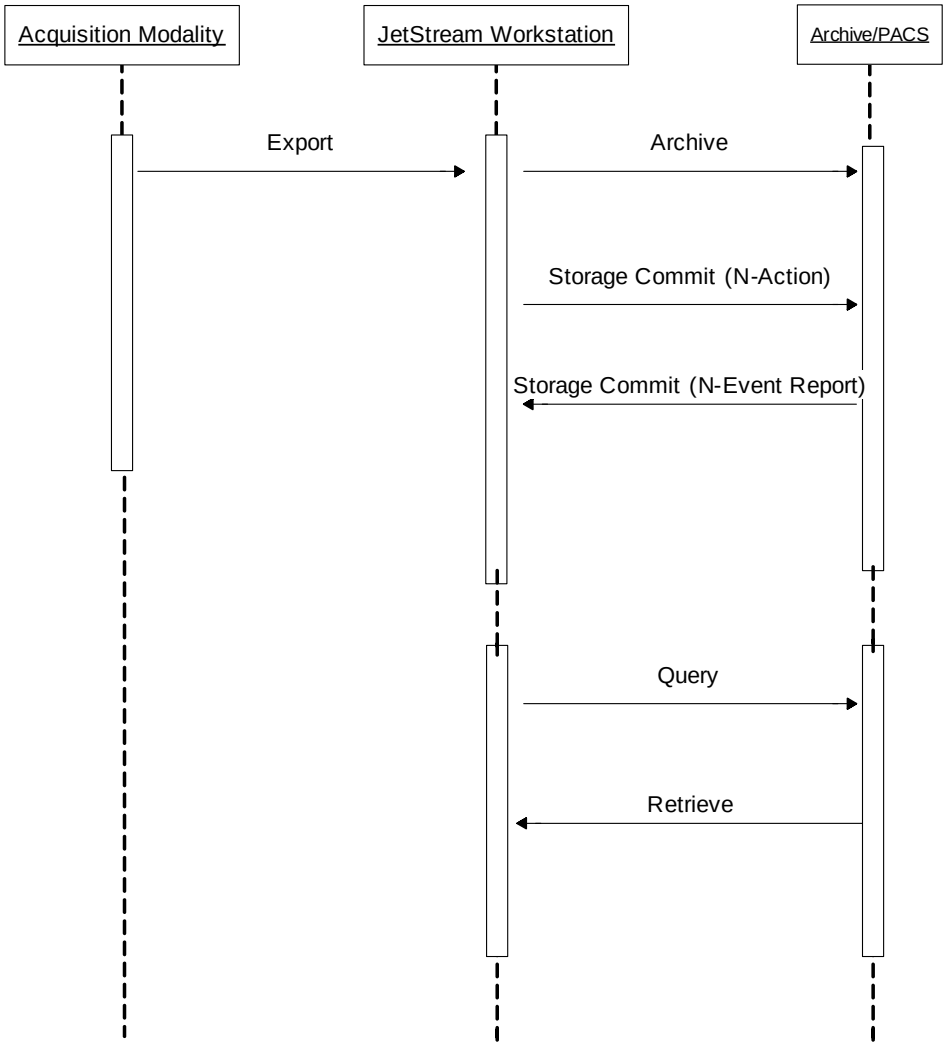


Figure 2: Typical workflow

4.2. AE Specifications

The network capability of the system consists of one DICOM Application Entity:
• JETStream Workspace Network AE

4.2.1. Network AE

4.2.1.1. SOP Classes

This Application Entity provides Standard Conformance to the following SOP Classes.

Table 3: SOP Classes for the Network AE

SOP Class		User of Service (SCU)	Provider of Service (SCP)
Name	UID		
Transfer			
Nuclear Medicine Image Storage	1.2.840.10008.5.1.4.1.1.20	Yes	Yes
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7	Yes	Yes
CT Image Storage	1.2.840.10008.5.1.4.1.1.2	Yes	Yes
MR Image Storage	1.2.840.10008.5.1.4.1.1.4	Yes	Yes
Digital X-Ray Image Storage	1.2.840.10008.5.1.4.1.1.1.1	Yes	Yes
Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6.1	Yes	Yes
Positron Emission Tomography Image Storage	1.2.840.10008.5.1.4.1.1.128	Yes	Yes
Computed Radiography Image Storage	1.2.840.10008.5.1.4.1.1.1	Yes	Yes
Query/Retrieve			
Query/Retrieve Study Root FIND	1.2.840.10008.5.1.4.1.2.2.1	Yes	Yes
Query/Retrieve Study Root MOVE	1.2.840.10008.5.1.4.1.2.2.2	Yes	Yes
Print Management			
Basic Grayscale Print Management Meta SOP Class	1.2.840.10008.5.1.1.9	Yes	No
Basic Color Print Management Meta SOP Class	1.2.840.10008.5.1.1.18	Yes	No
Workflow Management			
Storage Commitment Push Model	1.2.840.10008.1.20.1	Yes	Yes

4.2.1.2. Association Policies

This section describes the general association establishment and acceptance policies of the Network AE.

4.2.1.2.1. General

The following DICOM standard application context is specified.

Table 4: DICOM Application Context

Application Context Name	1.2.840.10008.3.1.1.1

4.2.1.2.2. Number of Associations

The number of simultaneous associations that the Network AE may support as a SCU or SCP is specified as follows.

The number of simultaneous associations that will be accepted by JETStream Workspace DICOM server is configurable. The default is 2 and it is recommended not to exceed more than 10 connections.

Table 5: Number of Associations as an Association Acceptor for the Network AE

Maximum Number of simultaneous associations	Configurable default is 2

The number of simultaneous associations that will be initiated by JETStream Workspace is 1.

Table 6: Number of Associations as an Association Initiator for the Network AE

Maximum Number of simultaneous associations	1

4.2.1.2.3. Asynchronous Nature

Not Applicable.

4.2.1.2.4. Implementation Identifying Information

Table 7: DICOM Implementation Class and Version for the Network AE

Implementation Class UID	1.2.840.114080.1.0.2
Implementation Version Name	Configurable default is JETSPHERE

4.2.1.2.5. Communication Failure Handling

The behavior of the JETStream Network AE during communication failure is summarized in Table 8

Table 8: Communication Failure Behavior

Exception	Behavior
Any TCP/IP failure	The association is aborted and an error message is shown in a pop-up window

4.2.1.3. Association Initiation Policy

This section describes the conditions under which the Network AE will initiate an association.

4.2.1.3.1. Verify

4.2.1.3.1.1. Description and Sequencing of Activities

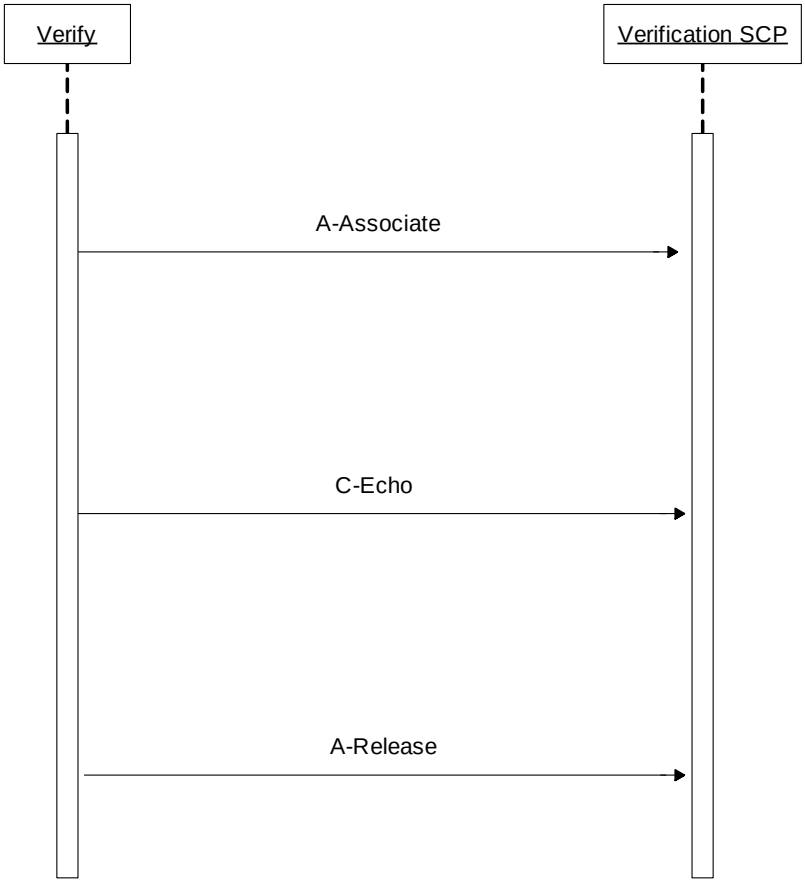


Figure 3: Sequencing of Verify

4.2.1.3.1.2. Proposed Presentation Contexts

Table 9: Proposed Presentation Context for Verify

Presentation Context Table					
Abstract Syntax		Transfer Syntax		Role	Extended Negotiation
Name	UID	Name List	Uld List		
Verification	1.2.840 .10008.1.1	ILE	1.2.840.10008.1.2	SCU	None

4.2.1.3.1.3. SOP Specific Conformance for SOP Classes

Table 10: DICOM C-ECHO Command Response Status Handling Behavior

Service Status	Code	Further Meaning	Behavior
Success	0000	Verification is successful	The SCP has successfully returned a verification response.
Communication failures		The Network AE could not communicate with the peer DICOM station	An error message is shown.

4.2.1.3.2. Query

4.2.1.3.2.1. Description and Sequencing of Activities

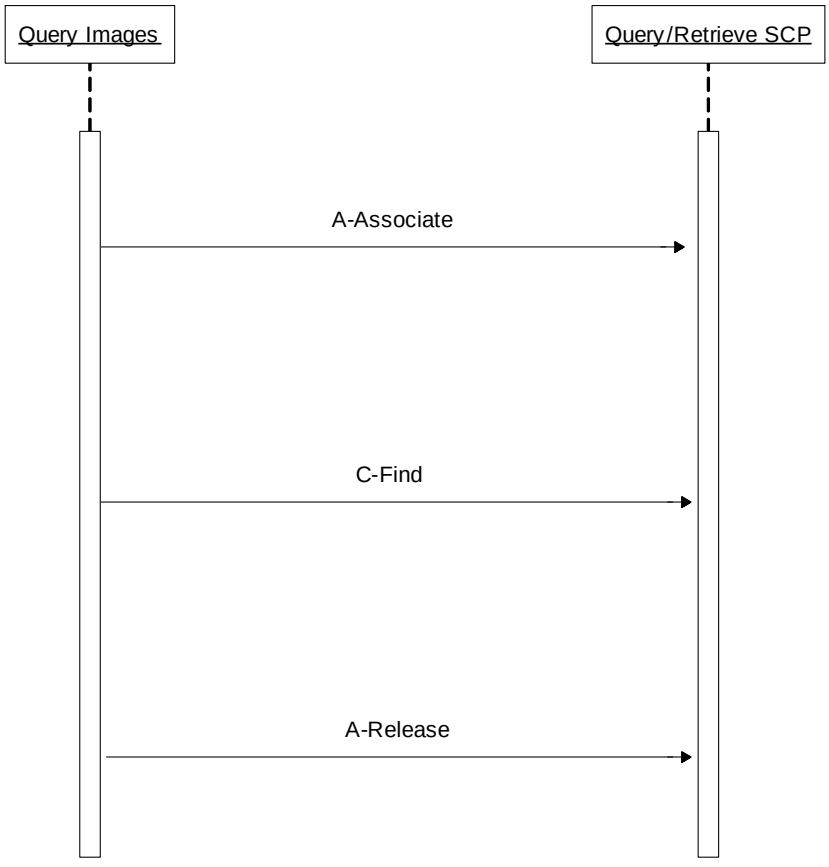


Figure 4: Sequencing of Query Images

4.2.1.3.2.2. Proposed Presentation Contexts

Table 11: Proposed Presentation Context for Query Images

Presentation Context Table					
Abstract Syntax		Transfer Syntax		Role	Extended Negotiation
Name	UID	Name List	Uld List		
Study Root FIND	1.2.840.10008.5.1.4.1.2.2.1	ILE	1.2.840.10008.1.2	SCU	None
		ELE	1.2.840.10008.1.2.1		
		EBE	1.2.840.10008.1.2.2		

4.2.1.3.2.3. SOP Specific Conformance for SOP Classes

Table 12: DICOM C-FIND Command Response Status Handling Behavior

Service Status	Code	Further Meaning	Behavior
Success	0000	Matching is complete	The returned information is displayed.
Failure	A700	Refused – Out of resources	Error message shown in a pop-up window and the failure details are logged in log files.
	A900	Failed – Identifier does not match SOP class	Error message shown in a pop-up window and the failure details are logged in log files.
	Cxxx	Failed – Unable to process	Error message shown in a pop-up window and the failure details are logged in log files.
Cancel	FE00	Matching terminated due to Cancel	No UI feedback, or logging.
Pending	FF00	Matches are continuing – Current match is supplied and any optional keys are supported in the same manner as required keys	A hour glass is displayed while matches are continuing
	FF01	Matches are continuing – Warning that one or more optional keys were not supported for existence for this identifier	A hour glass is displayed while matches are continuing
Communication failures		The Network AE could not communicate with the peer DICOM station	Error message shown in a pop-up window and the failure details are logged in log files.

4.2.1.3.3. Retrieve

4.2.1.3.3.1. Description and Sequencing of Activities

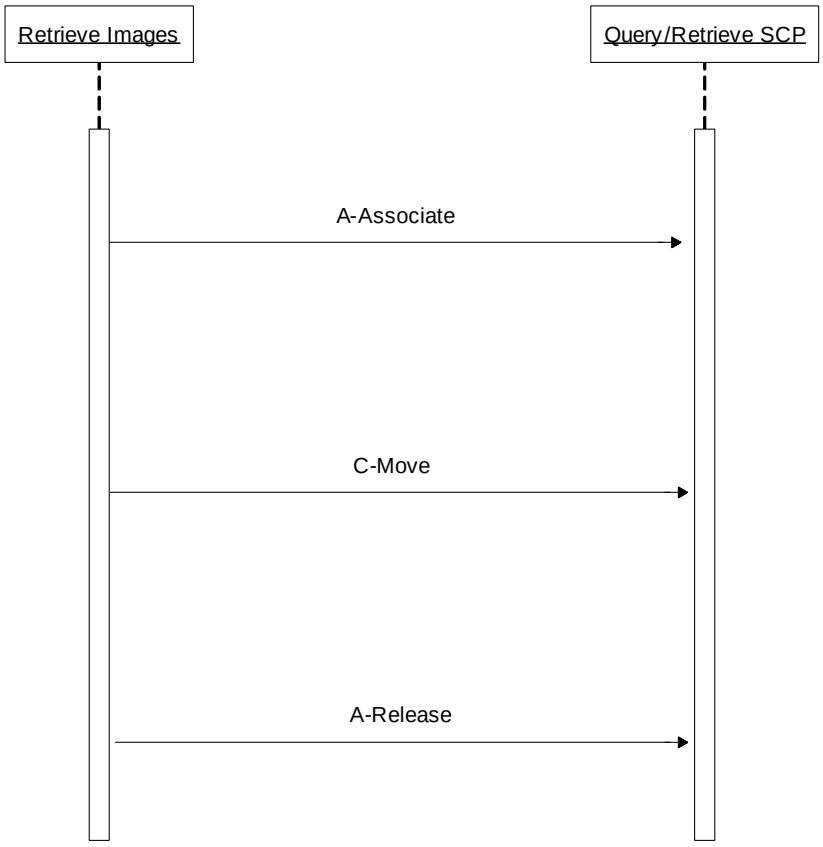


Figure 5: Sequencing of Retrieve Images

4.2.1.3.3.2. Proposed Presentation Contexts

Table 13: Proposed Presentation Context for Retrieve Images

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Extended Negotiation**
Name	**UID**	**Name List**	**Uld List**		
Study Root MOVE	1.2.840.10008.5.1.4.1.2.2.2	ILE	1.2.840.10008.1.2	SCU	None
		ELE	1.2.840.10008.1.2.1		
		EBE	1.2.840.10008.1.2.2		

4.2.1.3.4. Export

4.2.1.3.4.1. Description and Sequencing of Activities

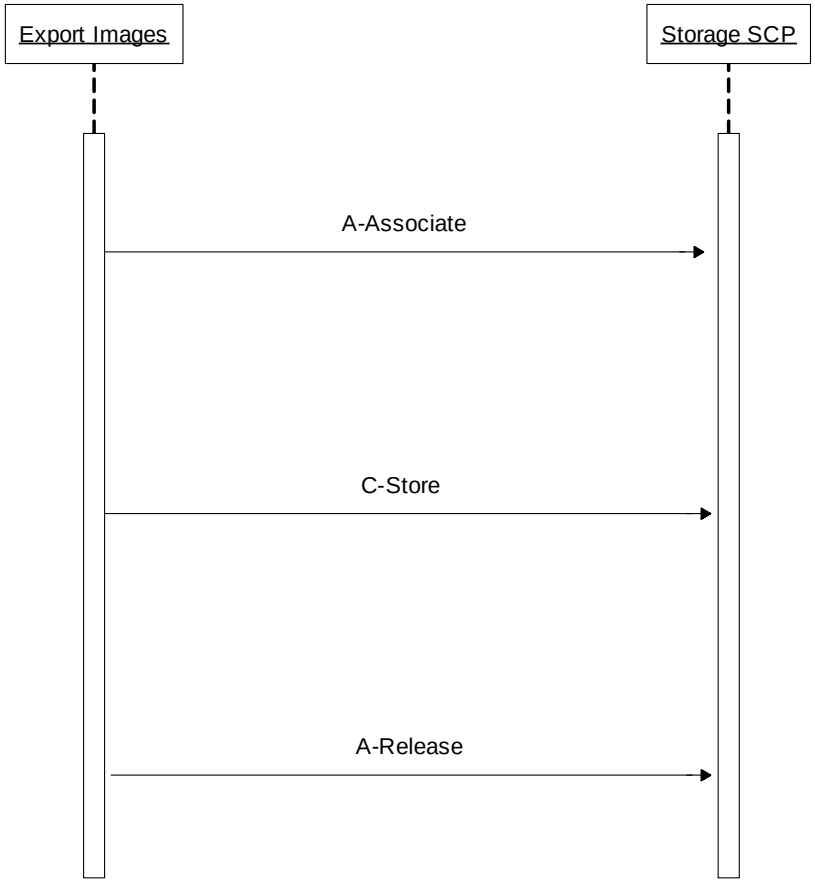


Figure 6: Sequencing of Export Images

4.2.1.3.4.2. Proposed Presentation Contexts

Table 14: Proposed Presentation Context for Export Images

Presentation Context Table					
Abstract Syntax		Transfer Syntax		Role	Extended Negotiation
Name	UID	Name List	Uld List		
Nuclear Medicine Image	1.2.840.10008.5.1.4.1.1.20	ILE	1.2.840.10008.1.2	SCU	None
		ELE	1.2.840.10008.1.2.1		
		EBE	1.2.840.10008.1.2.2		
Secondary Capture Image	1.2.840.10008.5.1.4.1.1.7	ILE	1.2.840.10008.1.2	SCU	None
		ELE	1.2.840.10008.1.2.1		
		EBE	1.2.840.10008.1.2.2		
CT Image Storage	1.2.840.10008.5.1.4.1.1.2	ILE	1.2.840.10008.1.2	SCU	None
		ELE	1.2.840.10008.1.2.1		
		EBE	1.2.840.10008.1.2.2		
MR Image Storage	1.2.840.10008.5.1.4.1.1.4	ILE	1.2.840.10008.1.2	SCU	None
		ELE	1.2.840.10008.1.2.1		
		EBE	1.2.840.10008.1.2.2		
Digital X-Ray Image Storage	1.2.840.10008.5.1.4.1.1.1.1	ILE	1.2.840.10008.1.2	SCU	None
		ELE	1.2.840.10008.1.2.1		
		EBE	1.2.840.10008.1.2.2		
Ultra Sound Image Storage	1.2.840.10008.5.1.4.1.1.6.1	ILE	1.2.840.10008.1.2	SCU	None
		ELE	1.2.840.10008.1.2.1		
		EBE	1.2.840.10008.1.2.2		
Positron Emission Tomography Image Storage	1.2.840.10008.5.1.4.1.1.128	ILE	1.2.840.10008.1.2	SCU	None
		ELE	1.2.840.10008.1.2.1		
		EBE	1.2.840.10008.1.2.2		
Computed Radiography Image Storage	1.2.840.10008.5.1.4.1.1.1	ILE	1.2.840.10008.1.2	SCU	None
		ELE	1.2.840.10008.1.2.1		
		EBE	1.2.840.10008.1.2.2		

4.2.1.3.4.3. SOP Specific Conformance for SOP Classes

Table 15: DICOM C-STORE Command Response Status Handling Behavior

Service Status	Code	Further Meaning	Behavior
Success	0000	Storage was successful	No UI feedback, or logging.
Failure	A7xx	Refused – Out of resources	No UI feedback, or logging.
	A9xx	Error – Dataset does not match SOP class	
	Cxxx	Error – Cannot understand	
Warning	B000	Coercion of data elements	
	B006	Elements discarded	
	B007	Dataset does not match SOP class	
Communication failure		The Network AE could not communicate with the peer DICOM station	Error message shown in a pop-up window and the failure details are logged in log files.

4.2.1.3.5. Archive

4.2.1.3.5.1. Description and Sequencing of Activities

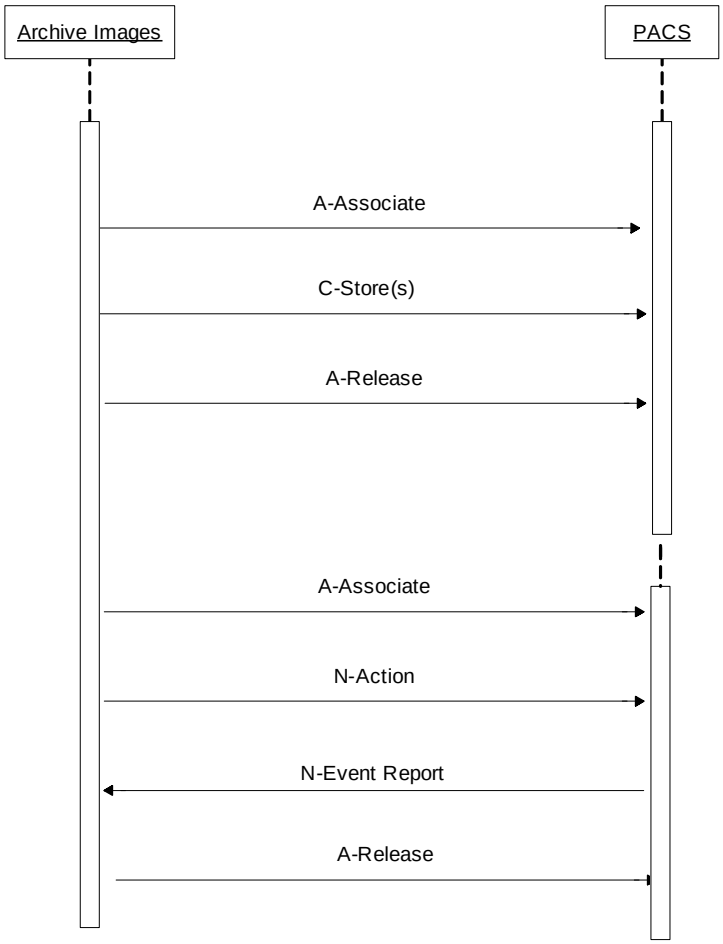


Figure 7: Sequencing of Synchronous Archive Images

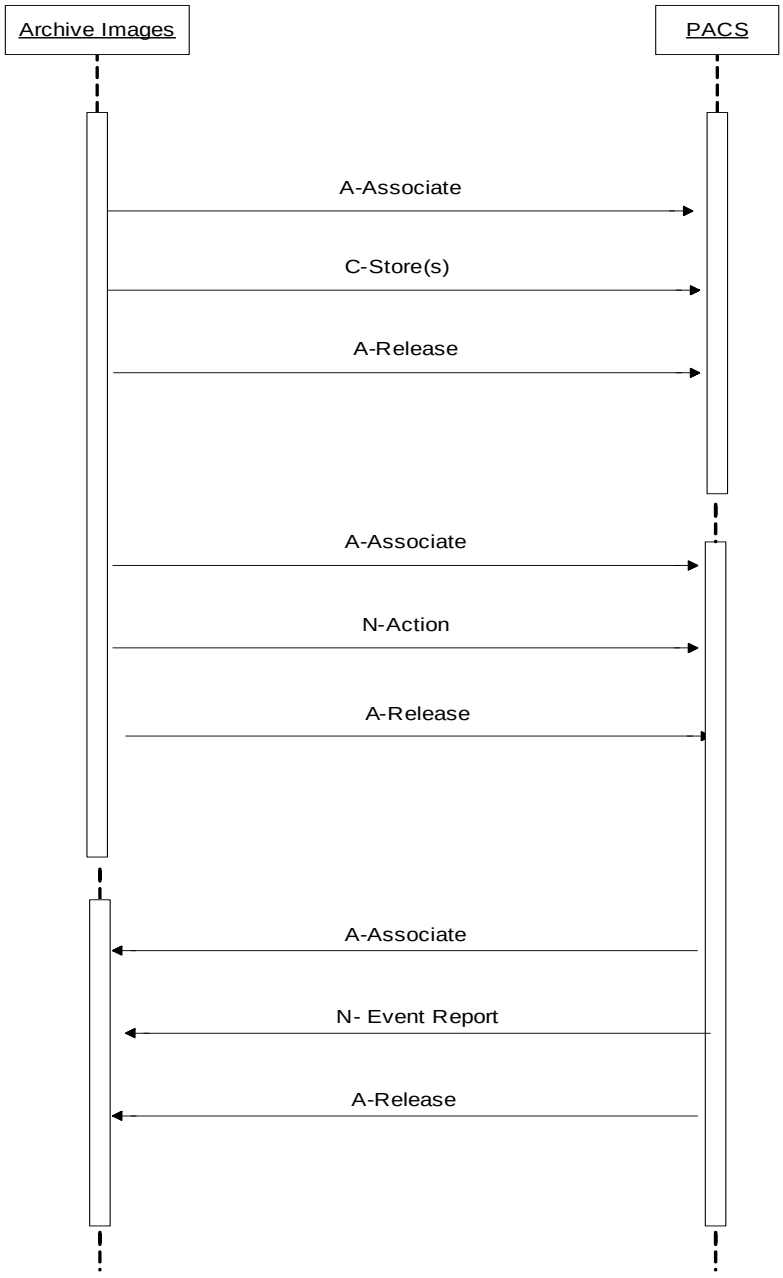


Figure 8: Sequencing of Asynchronous Archive Images

4.2.1.3.5.2. Proposed Presentation Contexts

Table 16: Proposed Presentation Context for Archive Images

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Extended Negotiation**
Name	**UID**	**Name List**	**UId List**		
All configured Storage SOP Classes	See Table 14	See Table 14	See Table 14	SCU	None
Storage Commitment Push Model SOP Class	1.2.840.10008.1.20.1	ILE	1.2.840.10008.1.2	SCU	None
		ELE	1.2.840.10008.1.2.1		
		EBE	1.2.840.10008.1.2.2		

4.2.1.3.6. Print

4.2.1.3.6.1. Description and Sequencing of Activities

JETStream Workspace print usage –

- N-Get service get the printer parameters
- N-Create service is used to create the Film Session and Film Box
- N-Set service is used to set the Image Box
- N-action to print the images
- N-Delete service is used to delete the print object/instance on the printer

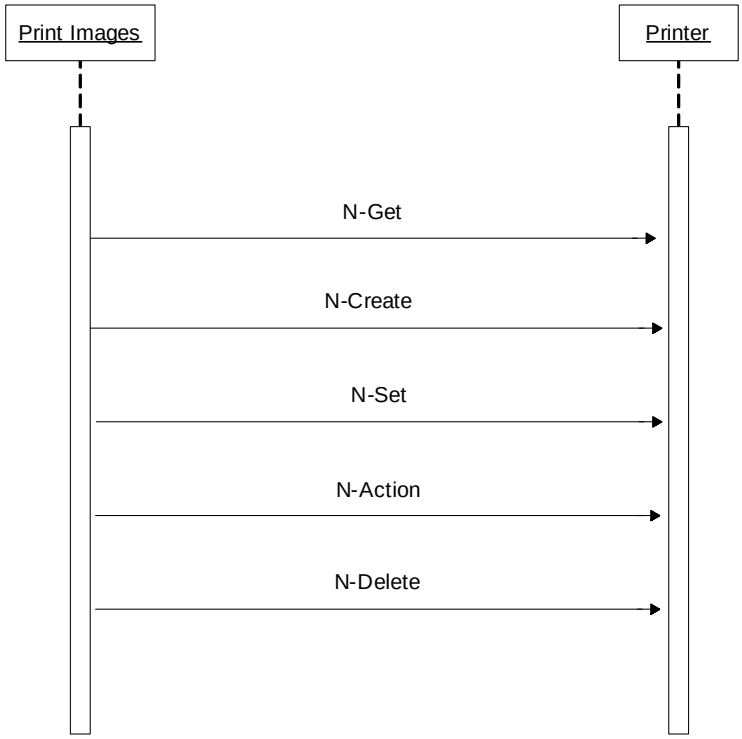


Figure 9: Sequencing of Print Images

4.2.1.3.6.2. Proposed Presentation Contexts

Table 17, Table 17.1 and Table 17.2 contain the SOP classes proposed by the Print Server.

Table 17: Proposed Presentation Context for Print Images

Presentation Context Table					
Abstract Syntax		Transfer Syntax		Role	Extended Negotiation
Name	UID	Name List	UId List		
Basic Grayscale Print Management (Meta)	1.2.840.10008.5.1.1.9	ILE	1.2.840.10008.1.2	SCU	None
		ELE	1.2.840.10008.1.2.1		
		EBE	1.2.840.10008.1.2.2		
Basic Color Print Management (Meta)	1.2.840.10008.5.1.1.8	ILE	1.2.840.10008.1.2	SCU	None
		ELE	1.2.840.10008.1.2.1		
		EBE	1.2.840.10008.1.2.2		

Table 17.1: SOP Classes defined under Basic Grayscale Print Management Meta SOP Class

Abstract Syntax	
Name	UID
Basic Film Session SOP Class	1.2.840.10008.5.1.1.1
Basic Film Box SOP Class	1.2.840.10008.5.1.1.2
Basic Grayscale Image Box SOP Class	1.2.840.10008.5.1.1.4
Printer SOP Class	1.2.840.10008.5.1.1.14

Table 17.2: SOP Classes defined under Basic Color Print Management Meta SOP Class

Abstract Syntax	
Name	UID
Basic Film Session SOP Class	1.2.840.10008.5.1.1.1
Basic Film Box SOP Class	1.2.840.10008.5.1.1.2
Basic Color Image Box SOP Class	1.2.840.10008.5.1.1.4.1
Printer SOP Class	1.2.840.10008.5.1.1.14

4.2.1.4. Association Acceptance Policy

4.2.1.5. Verify

4.2.1.5.1.1. Description and Sequencing of Activities

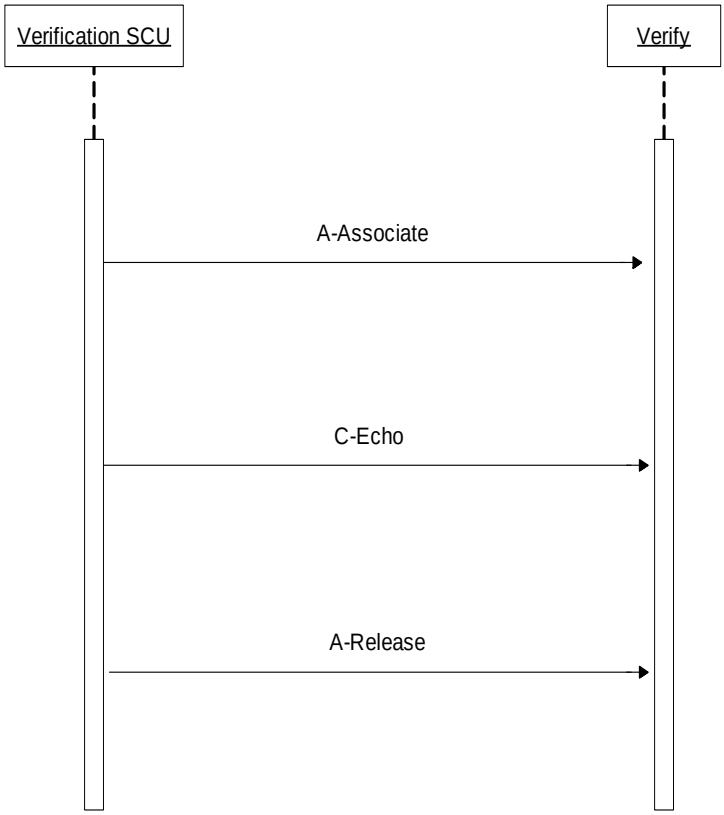


Figure 10: Sequencing of Verify

4.2.1.5.1.2. Accepted Presentation Contexts

Table 18: Accepted Presentation Context for Verify

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Extended Negotiation**
Name	**UID**	**Name List**	**Uld List**		
Verification	1.2.840 .10008.1.1	ILE	1.2.840.10008.1.2	SCP	None

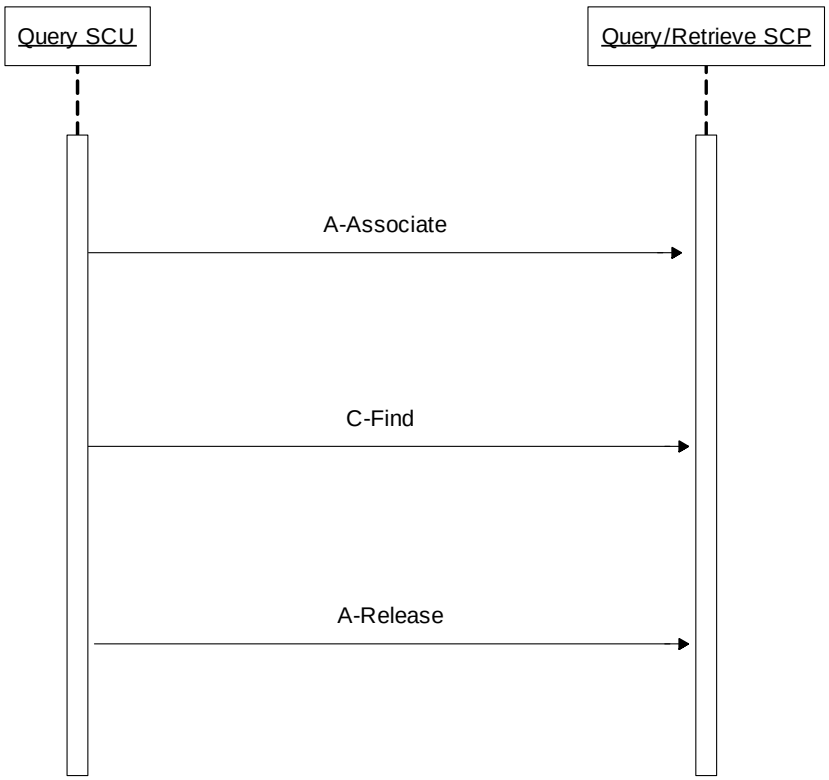
4.2.1.5.1.3. SOP Specific Conformance for SOP Classes

Table 19: DICOM C-ECHO Command Status Response

Service Status	Code	Further Meaning	Behavior
Success	0000	Confirmation	Message in log file.

4.2.1.5.2. Query

4.2.1.5.2.1. Description and Sequencing of Activities



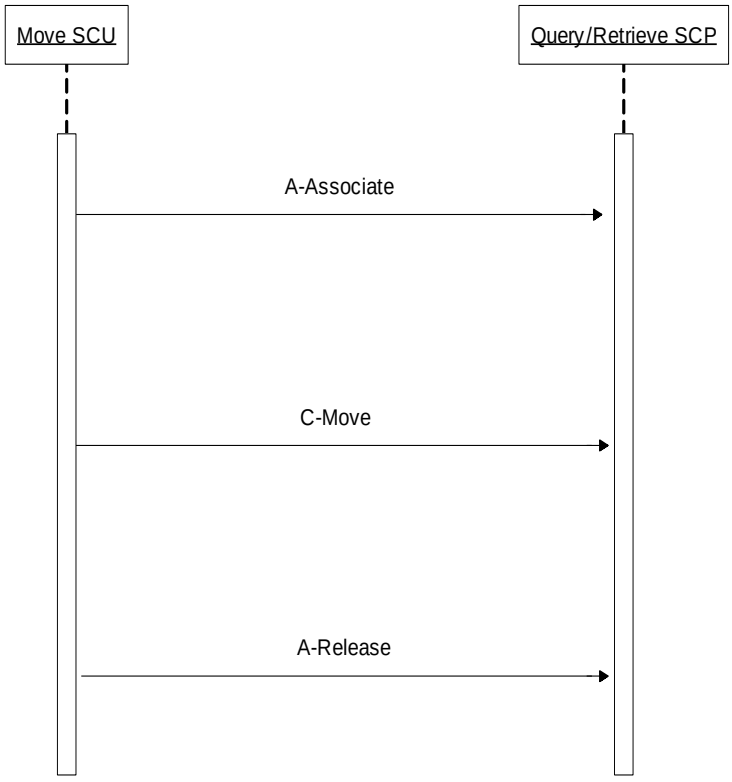
4.2.1.5.2. Accepted Presentation Contexts

Table 20: Accepted Presentation Context for Query Images

Presentation Context Table					
Abstract Syntax		Transfer Syntax		Role	Extended Negotiation
Name	UID	Name List	Uld List		
Study Root FIND	1.2.840.10008.5.1.4.1.2.2.1	ILE	1.2.840.10008.1.2	SCP	None
		ELE	1.2.840.10008.1.2.1		
		EBE	1.2.840.10008.1.2.2		

4.2.1.5.3. Retrieve

4.2.1.5.3.1. Description and Sequencing of Activities



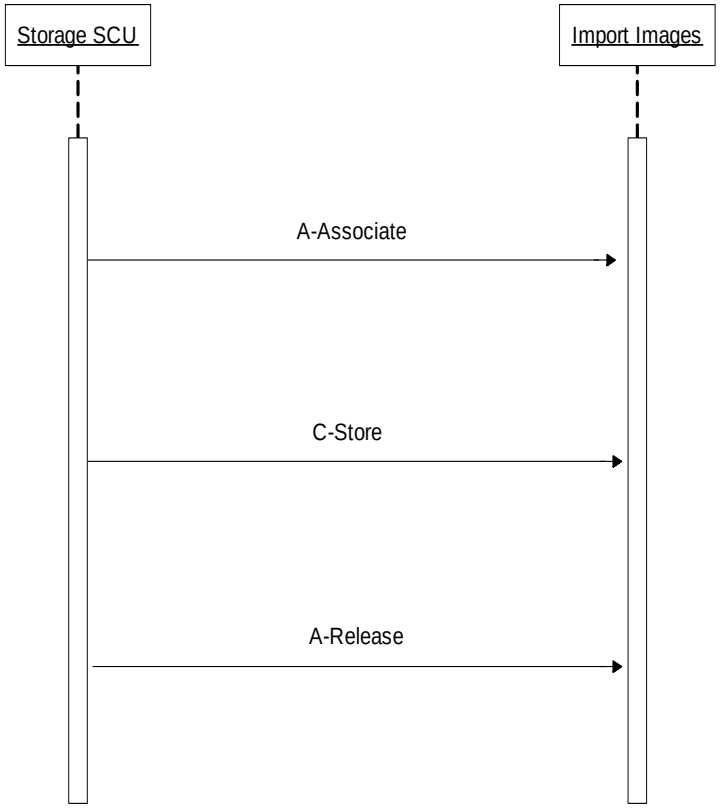
4.2.1.5.3.2. Accepted Presentation Contexts

Table 21: Accepted Presentation Context for Retrieve Images

Presentation Context Table					
Abstract Syntax		**Transfer Syntax**		**Role**	**Extended Negotiation**
Name	**UID**	**Name List**	**Uld List**		
Study Root MOVE	1.2.840.10008.5.1.4.1.2.2.2	ILE	1.2.840.10008.1.2	SCP	None
		ELE	1.2.840.10008.1.2.1		
		EBE	1.2.840.10008.1.2.2		

4.2.1.5.4. Import

4.2.1.5.4.1. Description and Sequencing of Activities



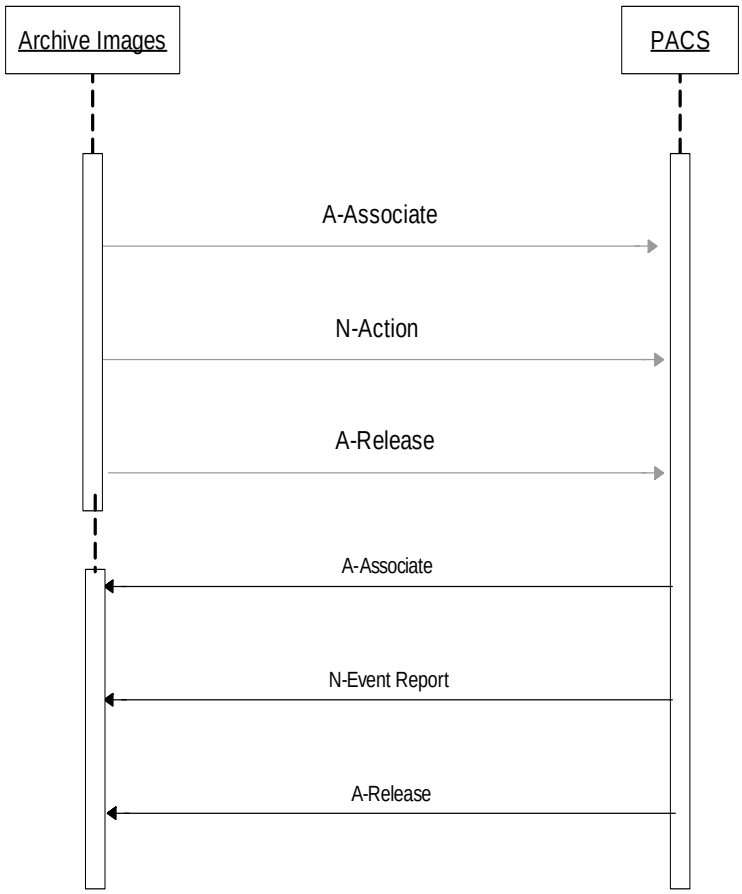
4.2.1.5.4.2. Accepted Presentation Contexts

Table 22: Accepted Presentation Context for Images Images

Presentation Context Table					
Abstract Syntax		Transfer Syntax		Role	Extended Negotiation
Name	UID	Name List	UId List		
All configured Storage SOP Classes	See Table 14	See Table 14	See Table 14	SCP	None

4.2.1.5.5. Archive

4.2.1.5.5.1. Description and Sequencing of Activities



4.2.1.5.5.2. Accepted Presentation Contexts

Table 23: Accepted Presentation Context for Archive Images

Presentation Context Table					
Abstract Syntax		Transfer Syntax		Role	Extended Negotiation
Name	UID	Name List	UId List		
Storage Commitment Push Model SOP Class	1.2.840.10008.1.20.1	ILE	1.2.840.10008.1.2	SCP	None
		ELE	1.2.840.10008.1.2.1		
		EBE	1.2.840.10008.1.2.2		

4.3. Network Interfaces

4.3.1. Physical Network Interface

JETStream Workspace DICOM server implementation provides DICOM V3.0 TCP/IP Network Communication Support as defined in Part 8 of the DICOM standard.

4.3.2. Additional Protocols

Not applicable.

4.4. Configuration

JETStream Workspace DICOM server fetches the serving port number and the AE title from JETStream Workspace configuration files. However, these parameters are user configurable. The total number of simultaneous Associations acceptable is also user configurable.

4.4.1. AE Title/Presentation Address Mapping

4.4.1.1. Local AE Titles

The JETStream Workspace System host name is configurable.

4.4.1.2. Remote AE Title/Presentation Address Mapping

4.4.1.2.1. Remote SCP Configuration

All relevant remote applications that are able to accept an association from the JETStream Workspace System must be configured on the JETStream Workspace System with the following information:
• IP Address.
• Host name and listening port number.
• AE Title.

4.4.1.2.2. Remote SCU Configuration

All relevant remote applications that are able to initiate an association with the JETStream Workspace System must be configured on the JETStream Workspace System with the following information:

- IP Address.
- Host name and listening port number.
- AE Title.

4.4.2. Parameters

This section specifies any important operational parameters and, if configurable, their default value and range. This is specified in [JETStream Workspace Guide]

5. MEDIA INTERCHANGE

JETStream Workspace System can perform the Media Storage service as SCU, with capabilities for RWA Write Images (as FSC or FSU), and RWA Read Images (as FSR) from a CD and a USB.

6. SUPPORT OF CHARACTER SETS

Extended character sets are not supported by the current implementation.

7. SECURITY

7.1. Security Profiles

7.1.1. Attribute Confidentiality Profiles

7.1.1.1. The Basic Application Level Confidentiality Profile

Following attributes can be de-identified from JETStream Workspace.

Table 24: Basic Application Level Confidentiality Profile Attributes

Attribute Name	Attribute Tag
Patient Name	0010,0010
Patient ID	0010,0020
Accession Number	0008,0050
Referring Physician's name	0008,0090
Name of Physician(s) reading study	0008,1060

8. ANNEXES

8.1. IOD Contents

JETStream Workspace creates SC IOD and NM IOD (for reconstructed data).
The IOD contents are not listed.

8.2. Data Dictionary of Private Attributes

All NM images contain a few private elements in the group 7051, “PHILIPS NM – Private”.

8.3. Coded Terminology and Templates

Not listed.

8.4. Grayscale Image Consistency

Not applicable.

8.5. Standard Extended/Specialized/Private SOPs

Not applicable.

8.6. Private Transfer Syntaxes

None