

	DICOM CONFORMANCE	Doc. Ref. : CONF-EZDMIMP-EN
	Ez Dicom Media Importer	Version : 1.3.x



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Ez Dicom Media
Importer



	DICOM CONFORMANCE	Doc. Ref. : CONF-EZDMIMP-EN
	Ez Dicom Media Importer	Version : 1.3.x

TABLE OF CONTENTS

1 Foreword	4
2 INTRODUCTION	5
2.1 Scope and field of application	5
2.2 Important Considerations for the Reader	5
2.3 Revision History	6
2.4 Abbreviations and Acronyms	7
3 IMPLEMENTATION MODEL	8
3.1 Application Data Flow Diagram	8
3.2 Functional Definitions	9
4 AE SPECIFICATIONS	10
4.1 Application DICOM Services AE Specifications	10
4.1.1 Association Establishment Policies	11
4.1.2 Association Initiation Policy	12
5 COMMUNICATION PROFILES	18
5.1 Supported Communication Stacks	18
5.2 OSI Stack	18
5.3 TCP/IP Stack	18
5.4 Point-to-Point Stack	18
6 EXTENSIONS / SPECIALIZATIONS / PRIVATIZATIONS	19
6.1 Standard Extended/Specialized/Private SOPs	19
6.2 Private Transfer Syntaxes	19
7 CONFIGURATION	19
7.1 AE Title / Presentation Address Mapping	19
7.2 Configurable Parameters	19
8 MEDIA INTERCHANGE	20
8.1 Implementation Model	20

	DICOM CONFORMANCE	Doc. Ref. : CONF-EZDMIMP-EN
	Ez Dicom Media Importer	Version : 1.3.x





8.1.1 Application Data Flow	20
8.1.2 Functional definitions of AE's	20
8.1.3 Sequencing of Real World Activities	20
8.2 AE Specifications	20
8.2.1 Ez Dicom Media Importer Specifications	21
9 SUPPORT OF EXTENDED CHARACTER SETS	23


	DICOM CONFORMANCE	Doc. Ref. : CONF-EZDMIMP-EN
	Ez Dicom Media Importer	Version : 1.3.x

1 FOREWORD

This software is a Class I active medical device in the EU. It is CE marked, in compliance with the current requirements of European Regulation 2017/745.

Meaning of symbols:

Symbol	Symbol Title
	Manufacturer
	CE-Mark
	Medical device
	Unique Device ID

	DICOM CONFORMANCE	Doc. Ref. : CONF-EZDMIMP-EN
	Ez Dicom Media Importer	Version : 1.3.x

2 INTRODUCTION

2.1 Scope and field of application

This document is the DICOM conformance statement for the Ez Dicom Media Importer Software of MPTronic. This document describes how the Ez Dicom Media Importer Software collaborates in a DICOM network with other Medical Imaging applications that conform to the DICOM 3.0 Standard.

This DICOM Conformance Statement documents the conformance of the Ez Dicom Media Importer Software with the Digital Imaging and Communications in Medicine standard (DICOM). This document is essential in order to evaluate whether or not another DICOM compliant device can communicate with this software product. This statement is conformant with the recommended format as described in PS 3.2 of the DICOM standard.

2.2 Important Considerations for the Reader

This document on its own should not be interpreted as a guarantee of connectivity between Ez Dicom Media Importer and any equipment and/or applications offered by other vendors.


Integration of Ez Dicom Media Importer with the equipment and/or applications of different vendors, including MPTronic Systems, are outside the scope of the DICOM 3.0 standard and product conformance statements. Integration and interoperability of different equipment/applications are the sole responsibility of the user.

In the case of any possible connectivity inferred by a user to exist between Ez Dicom Media Importer and another product, the user is responsible for testing and verifying the inferred connectivity.

Future changes to the DICOM 3.0 standard may require alterations to be made to Ez Dicom Media Importer. MPTronic reserves the right to modify the Ez Dicom Media Importer architecture as needed, in order to meet changing standards.


The user should ensure that any existing DICOM equipment also changes with the future developments of the DICOM standards. Failure to keep pace with any alterations in the DICOM standards may result in decreased or lost connectivity.

All trade names mentioned in this document are recognized.

	DICOM CONFORMANCE	Doc. Ref. : CONF-EZDMIMP-EN
	Ez Dicom Media Importer	Version : 1.3.x


2.3 Revision History

Version	Date	Author	Description
1.0	18-04-2010	Gustavo Echenique	Initial Version
1.3	01-01-2020	Gustavo Echenique	New layout

	DICOM CONFORMANCE	Doc. Ref. : CONF-EZDMIMP-EN
	Ez Dicom Media Importer	Version : 1.3.x

2.4 Abbreviations and Acronyms

ASCII American Standard Code for Information Interchange
 AE Application Entity
 AE-Title name of an AE
 ANSI American National Standards Institute
 CR Computed Radiography
 CT Computed Tomography
 ISDN Integrated Service Digital Network
 DICOM Digital Imaging and Communications in Medicine
 ECR European Congress of Radiology
 GPRS General Packet Radio Service
 GSPS Grayscale Softcopy Presentation State
 HIMSS Healthcare Information and Management Systems Society
 IE Information Entity
 IHE Integrating the Healthcare Enterprise
 IOD Information Object Definition
 ISO International Standards Organization
 NEMA National Electrical Manufacturers Association
 OSI Open Systems Interconnection
 PDU Protocol Data Unit
 RSNA Radiological Society of North America
 SCP Service Class Provider
 SCU Service Class User
 SOP Service Object Pair
 TCP/IP Transmission Control Protocol / Internet Protocol
 TLS Transport Layer Security
 UID Unique Identifier
 VM Value Multiplicity
 VR Value Representation

	DICOM CONFORMANCE	Doc. Ref. : CONF-EZDMIMP-EN
	Ez Dicom Media Importer	Version : 1.3.x

3 IMPLEMENTATION MODEL

3.1 Application Data Flow Diagram

This DICOM conformance statement specifies the behaviour and functionality of the Ez Dicom Media Importer software. This software provides the following capabilities:

- Media support to read DICOM images from CDs and DVDs
- Folder inspection to read DICOM images stored on disk
- Reads and displays uncompressed and compressed (RLE, JPEG) DICOM images of all modalities and image SOP classes.
- Query demographic and examination information
- Send images to remote AEs

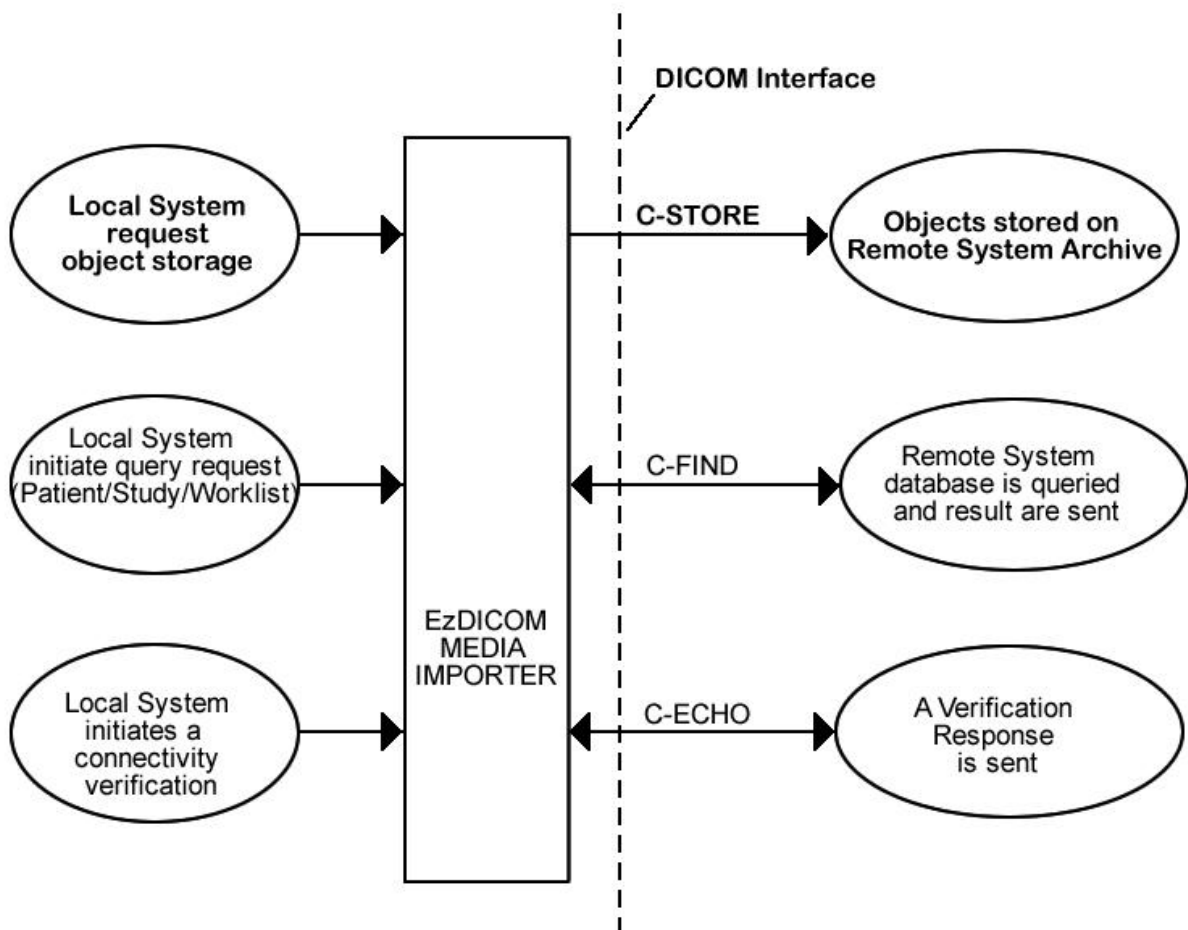



Image 1: Application data flow diagram

	DICOM CONFORMANCE	Doc. Ref. : CONF-EZDMIMP-EN
	Ez Dicom Media Importer	Version : 1.3.x

3.2 Functional Definitions


All communications and image transfer with the remote application is accomplished utilizing the DICOM protocol over a network using the TCP/IP protocol stack.

Below is a table of the functions supported by Ez Dicom Media Importer software:

SCU
Connectivity verification
Storage
Query/Retrieve

Ez Dicom Media Importer can use the following services:

- Verification Service Class (C-ECHO) to verify the connectivity to a remote AE.
- Query/Retrieve Service Class (C-FIND) to query a remote DICOM AE.
- Storage Service Class (C-STORE) to transfer images to remote DICOM AE.

	DICOM CONFORMANCE	Doc. Ref. : CONF-EZDMIMP-EN
	Ez Dicom Media Importer	Version : 1.3.x


4 AE SPECIFICATIONS

4.1 Application DICOM Services AE Specifications

The Ez Dicom Media Importer Software provide standard conformance to the following DICOM V3.0 SOP classes. The SOP classes in the following table can be processed/stored/displayed by Ez Dicom Media Importer.

SOP Classes as SCU	
SOP Class Name	SOP Class UID
Verification	1.2.840.10008.1.1
Default Storage Application SOP Classes	See § 1.6.2
Patient Root Query/Retrieve Information Model - FIND	1.2.840.10008.5.1.4.1.2.1.1
Study Root Query/Retrieve Information Model – FIND	1.2.840.10008.5.1.4.1.2.2.1
Modality Worklist Information Model	1.2.840.10008.5.1.4.31

Storage SOP Class as SCU	
SOP Class Name	SOP Class UID
Computed Radiography Image Storage	1.2.840.10008.5.1.4.1.1.1
Digital X-Ray Image Storage - For Presentation	1.2.840.10008.5.1.4.1.1.1.1
Digital X-Ray Image Storage - For Processing	1.2.840.10008.5.1.4.1.1.1.1.1
Digital Mammography Image Storage - For Presentation	1.2.840.10008.5.1.4.1.1.1.2
Digital Mammography Image Storage - For Processing	1.2.840.10008.5.1.4.1.1.1.2.1
Digital Intra-oral X-Ray Image Storage - For Presentation	1.2.840.10008.5.1.4.1.1.1.3
Digital Intra-oral X-Ray Image Storage - For Processing	1.2.840.10008.5.1.4.1.1.1.3.1
CT Image Storage	1.2.840.10008.5.1.4.1.1.2
RETIRED Ultrasound Multiframe Image Storage	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
MR Image Storage	1.2.840.10008.5.1.4.1.1.4
RETIRED Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6
Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6.1
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7
Grayscale Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.1
X-Ray Angiographic Image Storage	1.2.840.10008.5.1.4.1.1.12.1
X-Ray Radiofluoroscopic Image Storage	1.2.840.10008.5.1.4.1.1.12.2
Nuclear Medicine Image Storage	1.2.840.10008.5.1.4.1.1.20
VL Endoscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.1
VL Microscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.2
VL Slide-Coordinates Microscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.3

	DICOM CONFORMANCE	Doc. Ref. : CONF-EZDMIMP-EN
	Ez Dicom Media Importer	Version : 1.3.x

VL Photographic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.4
Positron Emission Tomography Image Storage	1.2.840.10008.5.1.4.1.1.128
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
Comprehensive SR	1.2.840.10008.5.1.4.1.1.88.33
GE Private DICOM 3D Object	1.2.840.113619.4.26
Key Object Selection	1.2.840.10008.5.1.4.1.1.88.59

4.1.1 Association Establishment Policies

4.1.1.1 GENERAL

The DICOM Application Context Name (ACN) proposed by Ez Dicom Media Importer is 1.2.840.10008.3.1.1.1

The maximum PDU size which can be transmitted by Ez Dicom Media Importer is fixed at 16 Kbytes (16384 bytes). The maximum PDU size which can be received by the Ez Dicom Media Importer is up to 16 Kbytes (16384 bytes).

Extended negotiations are not supported for any of the supported service classes.

The only supported network protocol is TCP/IP. Any physical media supporting TCP/IP may be used to connect to Ez Dicom Media Importer Software. Ez Dicom Media Importer Software uses the TCP/IP stack of the underlying operating system.


4.1.1.2 NUMBER OF ASSOCIATIONS

The number of simultaneous associations which will be accepted by Ez Dicom Media Importer is limited only by the kernel parameters of the underlying TCP/IP implementation.

Therefore, Ez Dicom Media Importer can have multiple simultaneous connections, and there are no inherent limitations on the number of simultaneous associations which the Application Entity represented by Ez Dicom Media Importer can maintain.

4.1.1.3 ASYNCHRONOUS NATURE

Asynchronous operations on an association are supported.

	DICOM CONFORMANCE	Doc. Ref. : CONF-EZDMIMP-EN
	Ez Dicom Media Importer	Version : 1.3.x

4.1.1.4 IMPLEMENTATION IDENTIFYING INFORMATION

Image processing and management systems provide a single Implementation Class Unique Identifier (UID) which is “1.2.826.0.1.3680043.2.1065” and the implementation version is “MPTronic”.

4.1.2 Association Initiation Policy

Ez Dicom Media Importer initiates associations for the following activities:

- DICOM communication verification between Ez Dicom Media Importer and a remote system (3.1.2.1).
- Sending images from the local Ez Dicom Media Importer database to a remote system (3.1.2.2).
- Queries of remote database contents (3.1.2.3).

4.1.2.1 VERIFICATION COMMUNICATION WITH A REMOTE SYSTEM (C-ECHO SCU)

4.1.2.1.1 ASSOCIATED REAL WORLD ACTIVITY


Verification as SCU is initiated by the user when adding/modifying a remote server and clicking the “ECHO” button.

4.1.2.1.2 PROPOSED PRESENTATION CONTEXTS

Presentation Context Table					
Abstract Syntax		Transfer Syntax		Role	Extended Negotiation
Name	UID	Name	UID		
Verification	1.2.840.10008.1.1	Implicit VR, Little Endian	1.2.840.10008.1.2	SCU	None
Verification	1.2.840.10008.1.1	Explicit VR, Little Endian	1.2.840.10008.1.2.1	SCU	None
Verification	1.2.840.10008.1.1	Explicit VR, Big Endian	1.2.840.10008.1.2.2	SCU	None

4.1.2.1.3 SOP SPECIFIC CONFORMANCE STATEMENT FOR SOP VERIFICATION CLASS

Ez Dicom Media Importer provides standard conformance for DICOM communication verification.

	DICOM CONFORMANCE	Doc. Ref. : CONF-EZDMIMP-EN
	Ez Dicom Media Importer	Version : 1.3.x

4.1.2.2 SEND IMAGES TO A REMOTE SYSTEM (STORE SCU)

4.1.2.2.1 ASSOCIATED READ-WORLD ACTIVITY


- A user select images from inserted DICOM medias or from a selected folder.
- - A new window allows to edit patient information.

When the edition window is shown, an automated query is launched to all of the configured Worklist and DICOM entities, which will search for matches for the current Study. Results will be displayed to the user and the user must manually choose to use the results of a particular query or to enter/modify any of the editables information manually.

The following tables specify which DICOM attributes have the opportunity to be modified before a Study is stored.

Reconcilable DICOM Attributes Table	
Name	Tag
Patient Name	(0010,0010)
Patient ID	(0010,0020)
Patient Birth Date	(0010,0030)
Patient Sex	(0010,0040)
Accession Number	(0008,0050)
Study Description	(0008,0130)

Updated/Added DICOM Attributes Table		
Name	Tag	Value
Original attributes Sequence	(0400,0561)	Original values of reconciled fields
> Modified Attributes Sequence	(0400,0550)	
> Modification Date/Time	(0400,0562)	
> Modifying System	(0400,0563)	EzDICOMMediaImporter
> Source of previous values	(0400,0564)	
> Reason for the attributes modification	(0400,0565)	COERCE
Contributing Equipment Sequence	(0018,A001)	
> Manufacturer	(0008,0070)	MPTronic Software
> Institution Name	(0008,0080)	
> Station Name	(0008,1010)	<AE title> + [UserName]
> Contribution Date Time	(0008,A002)	<DateTime of Reconciliation>
> Purpose of Reference Code Sequence	(0040,A170)	
> Coding Scheme Designator	(0008,0102)	DCM
> Code Value	(0008,0100)	MEDIM


	DICOM CONFORMANCE	Doc. Ref. : CONF-EZDMIMP-EN
	Ez Dicom Media Importer	Version : 1.3.x

- The user select the store destinations from a list to send the images. A progress bar is shown during the transfer.

A DICOM Association will be opened to each Store Destination. DICOM Instances are then transferred to each Store destination. If the Store Destination returns a response code that is not Success, the association is aborted and the transfer is flagged as an error.

4.1.2.2.2 PROPOSED PRESENTATION CONTEXTS

Presentation Context Table			
Abstract Syntax	UID	Role	Extended Negotiation
Computed Radiography Image Storage	1.2.840.10008.5.1.4.1.1.1	SCU	None
Digital X-Ray Image Storage - For Presentation	1.2.840.10008.5.1.4.1.1.1.1	SCU	None
Digital X-Ray Image Storage - For Processing	1.2.840.10008.5.1.4.1.1.1.1.1	SCU	None
Digital Mammography Image Storage - For Presentation	1.2.840.10008.5.1.4.1.1.1.2	SCU	None
Digital Mammography Image Storage - For Processing	1.2.840.10008.5.1.4.1.1.1.2.1	SCU	None
Digital Intra-oral X-Ray Image Storage - For Presentation	1.2.840.10008.5.1.4.1.1.1.3	SCU	None
Digital Intra-oral X-Ray Image Storage - For Processing	1.2.840.10008.5.1.4.1.1.1.3.1	SCU	None
CT Image Storage	1.2.840.10008.5.1.4.1.1.2	SCU	None
RETIRED Ultrasound Multiframe Image Storage	1.2.840.10008.5.1.4.1.1.3	SCU	None
Ultrasound Multi-frame Image Storage	1.2.840.10008.5.1.4.1.1.3.1	SCU	None
MR Image Storage	1.2.840.10008.5.1.4.1.1.4	SCU	None
RETIRED Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6	SCU	None
Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6.1	SCU	None
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7	SCU	None
Grayscale Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.1	SCU	None
X-Ray Angiographic Image Storage	1.2.840.10008.5.1.4.1.1.12.1	SCU	None
X-Ray Radiofluoroscopic Image Storage	1.2.840.10008.5.1.4.1.1.12.2	SCU	None
Nuclear Medicine Image Storage	1.2.840.10008.5.1.4.1.1.20	SCU	None
VL Endoscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.1	SCU	None
VL Microscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.2	SCU	None
VL Slide-Coordinates Microscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.3	SCU	None
VL Photographic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.4	SCU	None
Positron Emission Tomography Image Storage	1.2.840.10008.5.1.4.1.1.128	SCU	None

	DICOM CONFORMANCE	Doc. Ref. : CONF-EZDMIMP-EN
	Ez Dicom Media Importer	Version : 1.3.x

Basic Text SR	1.2.840.10008.5.1.4.1.1.88.11	SCU	None
Enhanced SR	1.2.840.10008.5.1.4.1.1.88.22	SCU	None
Comprehensive SR	1.2.840.10008.5.1.4.1.1.88.33	SCU	None
GE Private DICOM 3D Object	1.2.840.113619.4.26	SCU	None
Key Object Selection	1.2.840.10008.5.1.4.1.1.88.59	SCU	None

Transfer Syntax	
Name List	UID List
Implicit VR Little Endian Transfer Syntax	1.2.840.10008.1.2
Explicit VR Little Endian Transfer Syntax	1.2.840.10008.1.2.1
Explicit VR Big Endian Transfer Syntax	1.2.840.10008.1.2.2
JPEG Baseline	1.2.840.10008.1.2.4.50
JPEG Extended	1.2.840.10008.1.2.4.51
JPEG Lossless	1.2.840.10008.1.2.4.57
JPEG Lossless FirstOrder	1.2.840.10008.1.2.4.70
JPEG LS Lossless	1.2.840.10008.1.2.4.80
JPEG LS Lossy	1.2.840.10008.1.2.4.81
RLE Lossless	1.2.840.10008.1.2.5
JPEG 2000 Lossless	1.2.840.10008.1.2.4.90
JPEG 2000 Lossy	1.2.840.10008.1.2.4.91

4.1.2.2.3 SOP SPECIFIC CONFORMANCE STATEMENT FOR SOP CLASS STORAGE


Ez Dicom Media Importer provides full (level 2) conformance. This means that upon sending an image imported from a media or a folder to another DICOM compliant system it will send out all attributes that it received (this includes private attributes from other vendors).

Images that are to be sent to remote systems are converted to instances of the corresponding SOP Storage class(es). Images are then sent sequentially to the remote system(s).

4.1.2.3 QUERY A REMOTE DATABASE

4.1.2.3.1 ASSOCIATED REAL WORLD ACTIVITY

The user can query Remote AEs or Worklist Servers to reconcile studies. After selecting desired studies to send, a search form propose matched results from configured remote AEs and Worklist Servers.

	DICOM CONFORMANCE	Doc. Ref. : CONF-EZDMIMP-EN
	Ez Dicom Media Importer	Version : 1.3.x

4.1.2.3.2 PROPOSED PRESENTATION CONTEXTS

Abstract Syntax		Role	Extended Negotiation
Name	UID		
Patient Root Query/Retrieve Information Model - FIND	1.2.840.10008.5.1.4.1.2.1.1	SCU	None
Study Root Query/Retrieve Information Model - FIND	1.2.840.10008.5.1.4.1.2.2.1	SCU	None
Modality Worklist nformation Model	1.2.840.10008.5.1.4.31	SCU	None


Transfer Syntax	
Name List	UID List
Implicit VR Little Endian Transfer Syntax	1.2.840.10008.1.2
Explicit VR Little Endian Transfer Syntax	1.2.840.10008.1.2.1
Explicit VR Big Endian Transfer Syntax	1.2.840.10008.1.2.2

4.1.2.3.3 SOP SPECIFIC CONFORMANCE STATEMENT FOR SOP QUERY CLASS

Ez Dicom Media Importer supports C-Find request values as defined in DICOM v.3.0 Part 4. All Required (R) and Unique (U) Study, Series, and Image level keys are supported for the Patient Root information models, Study Root information models and Modality Worklist information models . In addition, certain Optional (O) keys are supported.

For a Patient Root request the following keys are supported:

Patient Root Request identifiers for FIND-SCU			
Level	Description	Tag	Type
Patient	Specific Character Set	(0008,0005)	S,* ,U
Patient	Query Retrieve Level	(0008,0052)	S
Patient	Patient's Name	(0010,0010)	S,* ,U
Patient	Patient's ID	(0010,0020)	S,* ,U
Patient	Patient's Birth Date	(0010,0030)	S,* ,U,R
Patient	Patient's Sex	(0010,0040)	S,* ,U

	DICOM CONFORMANCE	Doc. Ref. : CONF-EZDMIMP-EN
	Ez Dicom Media Importer	Version : 1.3.x


For a Study Root request the following keys are supported:

Study Root Request identifiers for FIND-SCU			
Level	Description	Tag	Type
Study	Specific Character Set	(0008,0005)	S,*U
Study	Query Retrieve Level	(0008,0052)	S
Study	Study Date	(0008,0020)	S,*U,R
Study	Accession Number	(0008,0050)	S,*U
Study	Study Description	(0008,1030)	S,*U

For a Modality Worklist request the following keys are supported:

Modality Worklist Request identifiers for FIND-SCU		
Description	Tag	Type
Specific Character Set	(0008,0005)	S,*U
Accession Number	(0008,0050)	S,*U
Patient's Name	(0010,0010)	S,*U
Patient's ID	(0010,0020)	S,*U
Patient's Birth Date	(0010,1030)	S,*U,R
Patient's Sex	(0010,0040)	S,*U
Scheduled Procedure Step Sequence	(0040,0100)	SEQ
> Scheduled Station AE Title	(0040,0001)	S
> Scheduled Procedure Step Start Date	(0040,0002)	S,R
> Scheduled Procedure Step Start Time	(0040,0003)	S,R
> Modality	(0008,0060)	S
> Scheduled Procedure Step ID	(0040,0009)	S,*
Requested Procedure Description	(0032,1060)	S,*U

Type	Further meaning
S	Indicates the identifier attribute uses Single Value Matching
R	Indicates Range matching
*	Indicates wildcard matching
U	Indicates Universal matching
L	Indicates that UID lists are sent
NONE	Indicates that no matching is supported
UNIQUE	Indicates that this is the Unique Key for that query level (in which case Universal matching or Single Value matching is used depending on the query level)
SEQ	Indicates Sequence matching

	DICOM CONFORMANCE	Doc. Ref. : CONF-EZDMIMP-EN
	Ez Dicom Media Importer	Version : 1.3.x

5 COMMUNICATION PROFILES

5.1 Supported Communication Stacks

DICOM Part 8 is supported by Ez Dicom Media Importer through TCP/IP.

5.2 OSI Stack


Not supported.

5.3 TCP/IP Stack

The only supported network protocol is TCP/IP. Any physical media supporting TCP/IP may be used to connect to Ez Dicom Media Importer Software. Ez DICOM Server Software uses the TCP/IP stack of the under laying operating system.

5.4 Point-to-Point Stack

This implementation supports the Point-to-Point protocol that emulates a TCP/IP stack.

	DICOM CONFORMANCE	Doc. Ref. : CONF-EZDMIMP-EN
	Ez Dicom Media Importer	Version : 1.3.x

6 EXTENSIONS / SPECIALIZATIONS / PRIVATIZATIONS

6.1 Standard Extended/Specialized/Private SOPs

Not applicable

6.2 Private Transfer Syntaxes

Not applicable

7 CONFIGURATION

7.1 AE Title / Presentation Address Mapping

Local AE titles are configurable.

The local AE title of the Ez Dicom Media Importer can be changed through the "Configuration Window" in the main popup menu. The AET's of the store SCU and query/retrieve SCU processes can be set through the "Configuration Window".


7.2 Configurable Parameters

The following fields are configurable for the local AE:

- Local AE Title

The following fields are configurable for any remote AE:

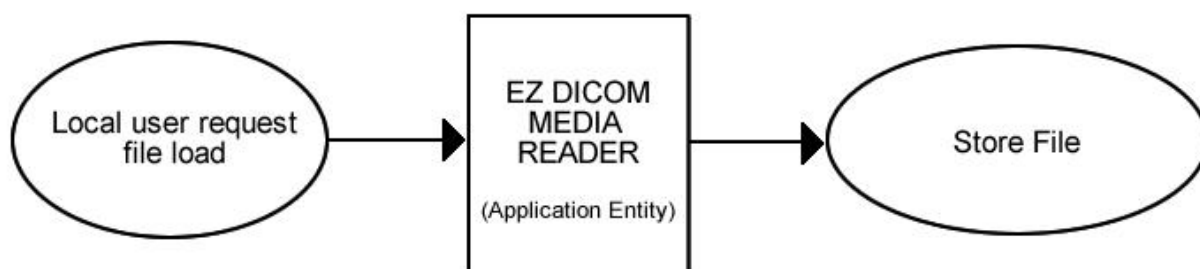
- Remote AE
- Remote TCP/IP Port
- Remote IP Address

	DICOM CONFORMANCE	Doc. Ref. : CONF-EZDMIMP-EN
	Ez Dicom Media Importer	Version : 1.3.x

8 MEDIA INTERCHANGE

8.1 Implementation Model

8.1.1 Application Data Flow



Ez Dicom Media Importer read DICOM Images from an optical disc Storage medium (CD or DVD)

8.1.2 Functional definitions of AE's

8.1.2.1 FUNCTIONAL DEFINITION OF EZ DICOM MEDIA IMPORTER

The Ez Dicom Media Importer acts as a DICOM File Set Reader (FSR).

8.1.3 Sequencing of Real World Activities


The Ez Dicom Media Importer will wait indefinitely for a media to be inserted before starting to read the inserted media.

Sequence of events:

- User insert optical disc
- Ez Dicom Media Importer discovers DICOM SOP Instances on the media
- Ez Dicom Media Importer show a structured tree containing Patients, studies and series informations.
- User can select desired Patients, Studies and Series to be imported and sent to a Remote system.

8.2 AE Specifications

The next section in the DICOM Conformance Statement is a set of Application Entity Specifications. There shall be one such specification for each Application Entity type.

	DICOM CONFORMANCE	Doc. Ref. : CONF-EZDMIMP-EN
	Ez Dicom Media Importer	Version : 1.3.x

8.2.1 Ez Dicom Media Importer Specifications

Ez Dicom Media Importer provides standard conformance to the Media Storage Service Class.

The Application Profiles and roles are listed below:

Application Profiles		
Supported Application Profile	Real-World Activity	Roles
STD-GEN-CD	Load directory or file	FSR
STD-GEN-DVD-RAM	Load directory or file	FSR
STD-GEN-DVD-JPG	Load directory or file	FSR
STD-GEN-DVD-J2K	Load directory or file	FSR
STD-GEN-SEC-USB-JPEG	Load directory or file	FSR
STD-GEN-SEC-USB-J2K	Load directory or file	FSR

8.2.1.1 FILE META INFORMATION FOR EZ DICOM MEDIA IMPORTER

Not applicable, since Ez Dicom Media Importer is not an FSC or FSU.


8.2.1.2 REAL-WORLD ACTIVITY

8.2.1.2.1 REAL WORLD ACTIVITY - LOAD MEDIA OR DIRECTORY OR FILE

The Ez Dicom Media Importer acts as an FSR using the interchange option when requested to import SOP Instances from an optical disc medium.

If the media or folder structure contains a DICOMDIR file it can be used or ignored. If ignored the media or folder structure is scanned recursively and file information is collected from the DICOM file header.


In both case, a content browser is shown to select individual patients, studies, series or images that will be transferred to a remote AE over the network.

	DICOM CONFORMANCE	Doc. Ref. : CONF-EZDMIMP-EN
	Ez Dicom Media Importer	Version : 1.3.x

8.2.1.2.2 OPTIONS

Supported Data Medium Presentation Contexts

Abstract Syntaxes	
Name	UID
Computed Radiography Image Storage	1.2.840.10008.5.1.4.1.1.1
Digital X-Ray Image Storage - For Presentation	1.2.840.10008.5.1.4.1.1.1.1
Digital X-Ray Image Storage - For Processing	1.2.840.10008.5.1.4.1.1.1.1.1
Digital Mammography Image Storage - For Presentation	1.2.840.10008.5.1.4.1.1.1.2
Digital Mammography Image Storage - For Processing	1.2.840.10008.5.1.4.1.1.1.2.1
Digital Intra-oral X-Ray Image Storage - For Presentation	1.2.840.10008.5.1.4.1.1.1.3
Digital Intra-oral X-Ray Image Storage - For Processing	1.2.840.10008.5.1.4.1.1.1.3.1
CT Image Storage	1.2.840.10008.5.1.4.1.1.2
RETIRED Ultrasound Multiframe Image Storage	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
MR Image Storage	1.2.840.10008.5.1.4.1.1.4
RETIRED Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6
Ultrasound Image Storage	1.2.840.10008.5.1.4.1.1.6.1
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7
Grayscale Softcopy Presentation State Storage	1.2.840.10008.5.1.4.1.1.11.1
X-Ray Angiographic Image Storage	1.2.840.10008.5.1.4.1.1.12.1
X-Ray Radiofluoroscopic Image Storage	1.2.840.10008.5.1.4.1.1.12.2
Nuclear Medicine Image Storage	1.2.840.10008.5.1.4.1.1.20
VL Endoscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.1
VL Microscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.2
VL Slide-Coordinates Microscopic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.3
VL Photographic Image Storage	1.2.840.10008.5.1.4.1.1.77.1.4
Positron Emission Tomography Image Storage	1.2.840.10008.5.1.4.1.1.128
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
Comprehensive SR	1.2.840.10008.5.1.4.1.1.88.33
GE Private DICOM 3D Object	1.2.840.113619.4.26 (Stored as Image Directory Record)
Key Object Selection	1.2.840.10008.5.1.4.1.1.88.59

	DICOM CONFORMANCE	Doc. Ref. : CONF-EZDMIMP-EN
	Ez Dicom Media Importer	Version : 1.3.x

Transfer Syntax	
Name	UID
Implicit VR Little Endian Transfer Syntax	1.2.840.10008.1.2
Explicit VR Little Endian Transfer Syntax	1.2.840.10008.1.2.1
Explicit VR Big Endian Transfer Syntax	1.2.840.10008.1.2.2
JPEG Baseline	1.2.840.10008.1.2.4.50
JPEG Extended	1.2.840.10008.1.2.4.51
JPEG Lossless	1.2.840.10008.1.2.4.57
JPEG Lossless FirstOrder	1.2.840.10008.1.2.4.70
JPEG LS Lossless	1.2.840.10008.1.2.4.80
JPEG LS Lossy	1.2.840.10008.1.2.4.81
RLE Lossless	1.2.840.10008.1.2.5
JPEG 2000 Lossless	1.2.840.10008.1.2.4.90
JPEG 2000 Lossy	1.2.840.10008.1.2.4.91

9 SUPPORT OF EXTENDED CHARACTER SETS

Ez Dicom Media Importer software supports:

- single byte character sets without code extentions.
- single byte character sets with code extentions.
- multi byte character sets without code extentions.
- multi byte character sets with code extentions.