

# mediCAD 8.0

## mediCAD DICOM Service

### DICOM Conformance Statement

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## 1. Introduction

### 1.1. Purpose

This DICOM Declaration of Conformity was prepared in accordance with Section PS 3.2 of the DICOM standard. It describes the DICOM interface of the mediCAD / mediCAD DICOM Service planning workstation (integrated module).

### 1.2. Acronyms and Abbreviations

|          |                                                                  |
|----------|------------------------------------------------------------------|
| ACR:     | American College of Radiology                                    |
| AE:      | DICOM Application Entity                                         |
| ASCII:   | American Standard Code for Information Interchange               |
| DICOM:   | Digital Imaging and Communications in Medicine                   |
| DIMSE:   | DICOM Message Service Element                                    |
| DIMSE-C: | DICOM Message Service Element with Composite information objects |
| IOD:     | DICOM Information Object Definition                              |
| ISO:     | International Standard Organization                              |
| NEMA:    | National Electrical Manufacturers Association                    |
| O:       | Optional Key Attribute                                           |
| R:       | Required Key Attribute                                           |
| RAE:     | Remote Application Entity                                        |
| RWA:     | Real-World Activity                                              |
| PDU:     | DICOM Protocol Data Unit                                         |
| SCU:     | DICOM Service Class User (DICOM client)                          |
| SCP:     | DICOM Service Class Provider (DICOM server)                      |
| SOP:     | DICOM Service-Object Pair                                        |
| UID:     | Unique Identifier                                                |
| VR:      | Value Representation                                             |

## 2. Implementation Model

The mediCAD application saves DICOM files to the file system and loads them from there. In addition, mediCAD offers a storage function (C-STORE-SCU). Whenever DICOM communication is required, we provide the mediCAD DICOM Service as an interface between mediCAD and DICOM networks (e.g., PACS).

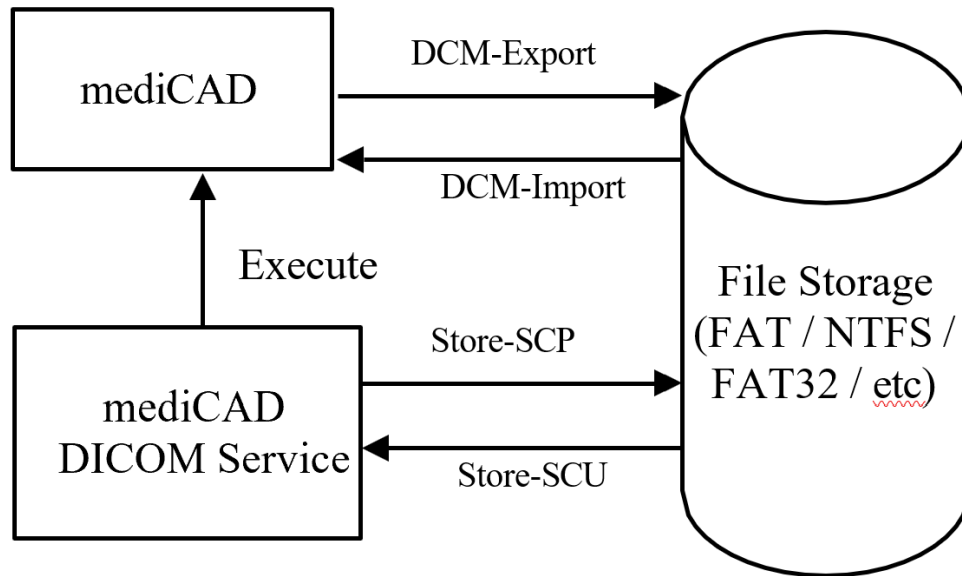
There are numerous configuration options regarding how queries are performed, which tags should be considered per layer, as well as various options for specific character encoding handling.

### 2.1. Data Flow Diagrams

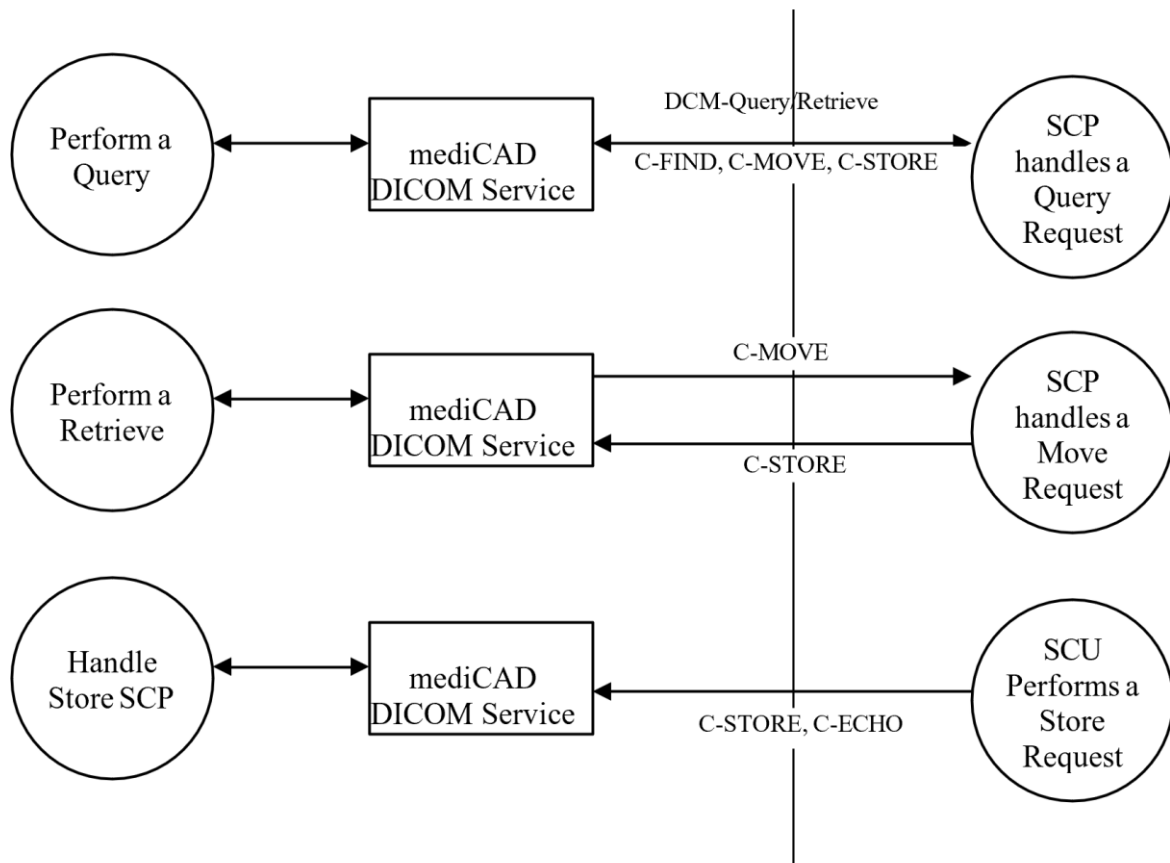
Any Data flow is optional and may be active or inactive in an installation.

### 2.1.1. mediCAD – DICOM Service

During a query or retrieval operation, the mediCAD DICOM Service typically saves an image as a local file and then transfers the retrieved image to the mediCAD application.



### 2.1.2. DICOM Network Interface of mediCAD DICOM Service



## 2.2. Functional Description

Any of the following real world activities (RWA) can be applied.

### 2.2.1. RWA I – Query, Retrieve handled by a 3d Party Software

In this case, the mediCAD DICOM Service runs in the background and is required only for the “Store-SCU” (Storage Service Class User). The user selects an image in the user interface they are familiar with, and mediCAD is launched with the selected image via a button or menu item (depending on the capabilities of the third-party software) (via a command-line parameter). After planning, the result can be exported as a DICOM image to a local directory or saved directly to a specific PACS system. In addition, you can further process the planning results using third-party software, which should be responsible for monitoring this export folder and managing the saved files.

### 2.2.2. RWA II – Query, Retrieve, Move, Store with mediCAD DICOM Service

The mediCAD DICOM Service is used to retrieve images and launch mediCAD. The “Study-Root Query/Retrieve” model can be used to initiate queries and motion requests. In this scenario, the mediCAD DICOM Service also provides a storage service and can send your plans to the image archive (PACS).

## 3. AE Specifications

mediCAD never creates images with UIDs that match those of the source images. As a rule, exported images are created within a new series that belongs to the same examination as the source image. Since mediCAD is never part of DICOM communication, it does not have its own AET. DICOM communication is defined by the integrated “mediCAD DICOM Service” module, which assigns the AET for data exchange.

These rules are applied during export:

```
// PART10 Header
{{FileMetaInformationVersion, MED_DCM_VR_OB, T1, ttAdd, 0, _T("\0\1"), 2} // File Meta Information Version
, {MediaStorageSopClassUid, MED_DCM_VR_UI, T1, ttAdd, 0, _T("1.2.840.10008.5.1.4.1.1.7"), ~0u} // Media Storage SOP Class
UID
, {MediaStorageSopInstanceUid, MED_DCM_VR_UI, T1, ttGen, 0, 0} // "Media Storage SOP Instance UID"
, {ImplementationClassUid, MED_DCM_VR_UI, T1, ttGlobalIni, _T("AppUID"), 0, 0} // Implementation Class UID

// general
// patient
, {GE(0010,0020), MED_DCM_VR_LO, T1, ttCopyAdd, sPI_PID, "", 0 } // PatientID
, {GE(0010,0010), MED_DCM_VR_PN, T2, ttCopyAdd, sPI_PN, "", 0 } // PatientsName
, {GE(0010,0030), MED_DCM_VR_DA, T2, ttCopyAdd, sPI_BirthD, "", 0 } // PatientsBirthDate
, {GE(0010,0040), MED_DCM_VR_CS, T2, ttCopyAdd, sPI_Sex, "", 0 } // PatientsSex
, {GE(0010,1020), MED_DCM_VR_DS, T3, ttCopy, sPI_Height, "", 0 } // PatientsSize
, {GE(0010,1030), MED_DCM_VR_DS, T3, ttCopy, sPI_Weight, "", 0 } // PatientsWeight

// study
, {GE(0020,000D), MED_DCM_VR_UI, T1, ttCopyGenFlagged, sSI_StudyUID, 0, 0 } // StudyInstanceUID
, {GE(0020,0010), MED_DCM_VR_SH, T1, ttCopyAdd, sSI_StudyID, "", ~0u } // StudyID
```

```

,{GE(0008,0020), MED_DCM_VR_DA, T2, ttCopyGenFlagged, sSI_StudyCreationD, 0, 0 } // StudyDate
,{GE(0008,0030), MED_DCM_VR_TM, T2, ttCopyGenFlagged, sSI_StudyCreationT, 0, 0 } // StudyTime
,{GE(0008,1030), MED_DCM_VR_LO, T2, ttCopyAdd, _T("#Dcm.StudyDesc"), "", 0 } // StudyDescription
,{GE(0008,0050), MED_DCM_VR_SH, T2, ttCopyAdd, _T("#AccessID"), "", 0 } // Accession Number
,{GE(0008,1050), MED_DCM_VR_PN, T2, ttCopyAdd, sPI_Doc, "", ~0u } // Performing physicians name (=dialog)
,{GE(0008,0090), MED_DCM_VR_PN, T2, ttCopyAdd, _T("#Dcm.RefPhys"), "", 0 } // Referring Physicians Name (from source)

// serie
,{GE(0008,0060), MED_DCM_VR_CS, T1, ttAdd, 0, "OT", 2 } // Modality; also in SC image
,{GE(0008,0021), MED_DCM_VR_DA, T3, ttGen, 0, "yyymmdd", 0 } // Series Date
,{GE(0008,0031), MED_DCM_VR_TM, T3, ttGen, 0, "hhmmss.frac", 0 } // Series Time
,{GE(0020,000E), MED_DCM_VR_UI, T1, ttGen, 0, 0, 0 } // SeriesInstanceUID
,{GE(0020,0011), MED_DCM_VR_IS, T1, ttCopyAdd, sRI_SeriesID, "1", ~0u } // Series Number
,{GE(0020,0011), MED_DCM_VR_IS, T1 | AG, ttAdd, 0, "2000", ~0u } // Series Number
,{GE(0008,103E), MED_DCM_VR_LO, T3, ttAppend, sPI_Desc, 0, ~0u } // SeriesDescription // not "SeriesDesc"
,{GE(0018,1030), MED_DCM_VR_LO, T3, ttResource, 0, "@30023", ~0u } // Protocol = series desc
,{GE(0020,0060), MED_DCM_VR_CS, T2, ttAdd, 0, "", 0 } // Laterality get = ""

// SOP Common
,{GE(0008,0018), MED_DCM_VR_UI, T1, ttGen, 0, 0, 0 } // SOPInstanceUID
,{GE(0008,0016), MED_DCM_VR_UI, T1, ttAdd, 0, "1.2.840.10008.5.1.4.1.1.7", ~0 } // SOPClassUID = SC
,{GE(0008,0005), MED_DCM_VR_CS, T1C, ttCopy, sGI_CHARSET, "ISO_IR 100", 0 } // Specific Character Set (copy -> cadd)
,{GE(0020,0013), MED_DCM_VR_IS, T1, ttCopyAdd, sII_ImageID, "1", ~0u } // Image Number (=offset + source image number)

// image
,{GE(0008,0008), MED_DCM_VR_CS, T1, ttResource, 0, "@30022", ~0u } // Image Type // DERIVED\\SECONDARY\\\\DRAWING\\MEDICAD
,{GE(0008,0023), MED_DCM_VR_DA, T2, ttGen, 0, "yyymmdd", 0 } // Image/Content Date
,{GE(0008,0033), MED_DCM_VR_TM, T2, ttGen, 0, "hhmmss.frac", 0 } // Image/Content Time
,{GE(0008,0022), MED_DCM_VR_DA, T3, ttCopy, sPI_AcquisitionD, 0, 0 } // Acquisition Date
,{GE(0008,0032), MED_DCM_VR_TM, T3, ttCopy, sPI_AcquisitionT, 0, 0 } // Acquisition Time
,{GE(0008,0032), MED_DCM_VR_TM, T3, ttCopy, sPI_AcquisitionDT, 0, 0 } // Acquisition Time
,{GE(0008,2111), MED_DCM_VR_ST, T3, ttResource, 0, "@30023", ~0u } // Derivation Description
,{GE(0008,2112), MED_DCM_VR_SQ, T3, ttGen, 0, 0, 0 } // Source Image Sequence (see TTSourceImageSequence)
,{GE(0020,4000), MED_DCM_VR_LT, T3, ttGen, 0, "@30023", ~0u } // Image Comments
,{GE(0018,1012), MED_DCM_VR_DA, T3, ttGen, 0, "yyymmdd", 0 } // DateOfSecondaryCapture soll= ImageDate
,{GE(0018,1014), MED_DCM_VR_TM, T3, ttGen, 0, "hhmmss.frac", 0 } // TimeOfSecondaryCapture soll= ImageTime
,{GE(0028,2110), MED_DCM_VR_CS, T3, ttCopyGen, _T("#Dcm.LossyCompression"), "00", 2 } // Lossy Image Compression
,{GE(0020,0020), MED_DCM_VR_CS, T2, ttAdd, 0, "", 0 } // Patient Orientation = ""

// sc image
,{GE(0008,0064), MED_DCM_VR_CS, T1, ttAdd, 0, "WSD", 3 } // ConversionType
,{GE(0018,1010), MED_DCM_VR_LO, T3, ttRegistry, _T("ComputerName"),
(LPSTR)_T("HKLM:SYSTEM\\CurrentControlSet\\Control\\ComputerName\\ComputerName"), 0 } // Secondary Capture Device ID
,{GE(0018,1016), MED_DCM_VR_LO, T3, ttResource, 0, "@4", ~0u } // Sec. Dev Manuf. ?? "Hectec GmbH"
,{GE(0018,1018), MED_DCM_VR_LO, T3 | EM | MX, ttRegistry, _T("V1"),
(LPSTR)_T("HKLM:SOFTWARE\\Siemens\\MedCom\\Config\\Modality\\Global\\SOFTWARE_PRODUCT_NAME"), 0 } // SC Manufacturers
Model Name
,{GE(0018,1019), MED_DCM_VR_LO, T3, ttResource, 0, "@30031", ~0u } // sw versions

// general equipment
,{GE(0008,0070), MED_DCM_VR_LO, T2, ttResource, 0, "@4", ~0u } // Manufacturer
,{GE(0008,0080), MED_DCM_VR_LO, T3 | EM | MX, ttRegistry, _T("V1"),
(LPSTR)_T("HKLM:SOFTWARE\\Siemens\\MedCom\\Config\\Site\\Global\\HOSPITAL_NAME"), 0 } // Institution Name
,{GE(0008,0081), MED_DCM_VR_ST, T3 | EM | MX, ttGen, _T("COUNTRY\\0") _T("DISTRICT\\0") _T("CITY\\0") _T("ZIP_CODE\\0") _T("STREET\\0")
_T("STREET_NUMBER\\0") _T("PHONE_NUMBER\\0") _T("\\0"), (LPSTR)_T("HKLM:SOFTWARE\\Siemens\\MedCom\\Config\\Site\\Global"),
0 } // Institution Address
,{GE(0008,1010), MED_DCM_VR_SH, T3, ttRegistry, _T("ComputerName"),
(LPSTR)_T("HKLM:SYSTEM\\CurrentControlSet\\Control\\ComputerName\\ComputerName"), 0 } // Secondary Capture Device ID
,{GE(0008,1090), MED_DCM_VR_LO, T3 | EM | MX, ttRegistry, _T("V1"),
(LPSTR)_T("HKLM:SOFTWARE\\Siemens\\MedCom\\Config\\Modality\\Global\\SOFTWARE_PRODUCT_NAME"), 0 } //
Manufacturers Model Name
,{GE(0018,1000), MED_DCM_VR_LO, T3 | EM | MX, ttRegistry, _T("V1"),
(LPSTR)_T("HKLM:SOFTWARE\\Siemens\\MedCom\\Config\\Site\\Global\\SERIAL_NUMBER"), 0 } // Device Serial nr
,{GE(0018,1020), MED_DCM_VR_LO, T3 | EM | MX, ttRegistry, _T("V1"),
(LPSTR)_T("HKLM:SOFTWARE\\Siemens\\MedCom\\Config\\Modality\\Global\\SOFTWARE_VERSION"), 0 } // Leonardo SW Version
,{0}

```

### 3.1. Application Specification

mediCAD DICOM Service provides Standard Conformance to the following Storage SOP-classes as SCU:

**Table 1: SOP CLASSES SUPPORTED BY STORAGE-SCU**

| SOP Class Name                                             | SOP Class UID                    |
|------------------------------------------------------------|----------------------------------|
| Color Softcopy Presentation State Storage                  | 1.2.840.10008.5.1.4.1.1.11.2     |
| Computed Radiography Image Storage                         | 1.2.840.10008.5.1.4.1.1.1        |
| CT Image Storage                                           | 1.2.840.10008.5.1.4.1.1.2        |
| 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    |
| Digital Mammography X-Ray Image Storage – For Presentation | 1.2.840.10008.5.1.4.1.1.1.2      |
| Digital Mammography X-Ray Image Storage – For Processing   | 1.2.840.10008.5.1.4.1.1.1.2.1    |
| 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    |
| Enhanced CT Image Storage                                  | 1.2.840.10008.5.1.4.1.1.2.1      |
| Enhanced MR Image Storage                                  | 1.2.840.10008.5.1.4.1.1.4.1      |
| Enhanced XA Image Storage                                  | 1.2.840.10008.5.1.4.1.1.12.1.1   |
| Enhanced XRF Image Storage                                 | 1.2.840.10008.5.1.4.1.1.12.2.1   |
| Grayscale Softcopy Presentation State Storage              | 1.2.840.10008.5.1.4.1.1.11.1     |
| Key Object Selection Document Storage                      | 1.2.840.10008.5.1.4.1.1.88.59    |
| MR Image Storage                                           | 1.2.840.10008.5.1.4.1.1.4        |
| 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 Single Bit Secondary Capture Image Storage     | 1.2.840.10008.5.1.4.1.1.7.1      |
| Multi-frame True Color Secondary Capture Image Storage     | 1.2.840.10008.5.1.4.1.1.7.4      |
| Nuclear Medicine Image Storage (Retired)                   | 1.2.840.10008.5.1.4.1.1.5        |
| Nuclear Medicine Image Storage                             | 1.2.840.10008.5.1.4.1.1.20       |
| Ophthalmic Photography 16 Bit Image Storage                | 1.2.840.10008.5.1.4.1.1.77.1.5.2 |
| Ophthalmic Photography 8 Bit Image Storage                 | 1.2.840.10008.5.1.4.1.1.77.1.5.1 |
| Ophthalmic Tomography Image Storage                        | 1.2.840.10008.5.1.4.1.1.77.1.5.4 |



|                                                     |                                  |
|-----------------------------------------------------|----------------------------------|
| Positron Emission Tomography Image Storage          | 1.2.840.10008.5.1.4.1.1.128      |
| RT Image Storage                                    | 1.2.840.10008.5.1.4.1.1.481.1    |
| Secondary Capture Image Storage                     | 1.2.840.10008.5.1.4.1.1.7        |
| Ultrasound Image Storage                            | 1.2.840.10008.5.1.4.1.1.6.1      |
| Ultrasound Image Storage (Retired)                  | 1.2.840.10008.5.1.4.1.1.6        |
| Ultrasound Multi-Frame Image Storage                | 1.2.840.10008.5.1.4.1.1.3.1      |
| Ultrasound Multi-Frame Image Storage (Retired)      | 1.2.840.10008.5.1.4.1.1.3        |
| Video Endoscopic Image Storage                      | 1.2.840.10008.5.1.4.1.1.77.1.1.1 |
| Video Microscopic Image Storage                     | 1.2.840.10008.5.1.4.1.1.77.1.2.1 |
| Video Photographic Image Storage                    | 1.2.840.10008.5.1.4.1.1.77.1.4.1 |
| 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 Photographic Image Storage                       | 1.2.840.10008.5.1.4.1.1.77.1.4   |
| VL Slide-Coordinates Microscopic Image Storage      | 1.2.840.10008.5.1.4.1.1.77.1.3   |
| 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   |
| X-Ray Angiographic Bi-Plane Image Storage (Retired) | 1.2.840.10008.5.1.4.1.1.12.3     |
| 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     |

mediCAD DICOM Service provides Standard Conformance to the following  
 Query/Retrieve SOP-Classes:

**Table 2: QUERY / RETRIEVE BY SCU**

| SOP Class Name                                     | SOP Class UID               |
|----------------------------------------------------|-----------------------------|
| FIND - Study Root Query/Retrieve Information Model | 1.2.840.10008.5.1.4.1.2.2.1 |
| MOVE - Study Root Query/Retrieve Information Model | 1.2.840.10008.5.1.4.1.2.2.2 |



**Table 3: OVERVIEW – SUPPORTED TRANSFER SYNTAXES**

| Name                                                                                     | Transfersyntax         |
|------------------------------------------------------------------------------------------|------------------------|
| Little Endian Implicit                                                                   | 1.2.840.10008.1.2      |
| Little Endian Explicit                                                                   | 1.2.840.10008.1.2.1    |
| Big Endian Explicit                                                                      | 1.2.840.10008.1.2.2    |
| RLE Lossless                                                                             | 1.2.840.10008.1.2.5    |
| JPEG Baseline (Process 1)                                                                | 1.2.840.10008.1.2.4.50 |
| JPEG Extended (Process 2 & 4)                                                            | 1.2.840.10008.1.2.4.51 |
| JPEG Lossless, Non-Hierarchical (Process 14)                                             | 1.2.840.10008.1.2.4.57 |
| JPEG Lossless, Non-Hierarchical, First-Order Prediction (Process 14 [Selection Value 1]) | 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 |
| JPEG 2000 Lossless                                                                       | 1.2.840.10008.1.2.4.90 |
| JPEG 2000 Lossless or Lossy                                                              | 1.2.840.10008.1.2.4.91 |

## 3.2. Association Establishment Policies

### 3.2.1. General

The configuration of the mediCAD DICOM service specifies the application unit title, the port numbers, and the allowed transmission syntaxes (according to the “first-fit” principle). Upon reception, the query client accepts mappings according to the “first-fit” principle, using the first allowed transmission syntax.

The mediCAD DICOM Service does not validate the data set based on the IODs. Maximum PDU Size is 114kB. (approximately)

### 3.2.2. Number of Associations

mediCAD DICOM Service uses one connection per Role (Store SCU / Query SCU / Move SCU/...).

### 3.2.3. Asynchronous Nature

Not applicable.

### 3.2.4. Implementation Identifying Information

**Table 4: DICOM IMPLEMENTATION CLASS AND VERSION FOR STORAGE-SCU**

|                             |                               |
|-----------------------------|-------------------------------|
| Implementation Class UID    | 1.3.12.2.1107.5.4.10.100000.1 |
| Implementation Version Name | Hectec DICOM 1.0              |

### 3.3. Association Initiation Policy

The mediCAD DICOM service establishes a new connection for each file to be transmitted. Non-encapsulated transmission syntaxes (Little/Big Endian, implicit/explicit VR) are automatically recoded. Encapsulated transmissions are rejected if the recipient does not accept them. The mediCAD DICOM service can establish connections for C-FIND, C-MOVE, or C-STORE operations.

#### 3.3.1. Query / Retrieve handled by 3d Party Software

This section is not applicable for this RWA.

#### 3.3.2. Query / Retrieve with mediCAD DICOM Service – C-FIND

##### 3.3.2.1. Associated RWA

The associated Real-World activity is a C-Find request initiated by the user. The user specifies some attributes. The remote Application should use to query the database. After a successfully established association to the remote Application Entity, it will send one C-Find request according to the query model and will then display the results in mediCAD DICOM Service.

##### 3.3.2.2. Proposed Presentation Contexts

All configured transfer syntaxes are combined with selected query/retrieve model and SCU role. No extended negotiation.

##### 3.3.2.3. SOP Specific Conformance Statement

Subsequent queries are used to retrieve level information starting from study/patient down to image level. Supported attributes at root level:

- Patient's Name (0010,0010)
- Patient's Id (0010,0020)
- Patient's Birthday (0010,0030)

Other required/unique attributes are empty. Optional attributes are part of the C-FIND request if configured.

### **3.3.3. Query / Retrieve with mediCAD DICOM Service – C-MOVE**

#### **3.3.3.1. Associated RWA**

The associated Real-World activity is a C-Move request initiated by the user. The user selects an image from a result of a previous C-Find operation. After a successfully established association to the remote Application Entity, it will cause the calling application, via a C-Move request, to transfer the images to the local Application Entity. The transfer of the images will be done by a subsequent C-Store and will return the results of the store operation to the calling application.

#### **3.3.3.2. Proposed Presentation Contexts**

All configured transfer syntaxes are combined with selected query/retrieve model and SCU role. No extended negotiation.

#### **3.3.3.3. SOP Specific Conformance Statement**

None.

### **3.3.4. mediCAD DICOM Service automatically stores images in a RAE**

#### **3.3.4.1. Associated RWA**

The associated Real-World activity is a C-Move request initiated after the user has stored a valid DICOM image in the export folder. After a successfully established association to the remote Application Entity, it will cause the calling application, via a C-Store request, to transfer the images to the remote Application Entity. The transfer of the images will be done by a subsequent C-Store and will return the results of the store operation to the calling application.

#### **3.3.4.2. Proposed Presentation Contexts**

Only the Storage SOP class and transfer syntaxes of the image is proposed. No extended negotiation.

#### **3.3.4.3. SOP Specific Conformance Statement**

No IOD validation is applied.

## **4. Communication Profiles**

### **4.1. Supported Communication Stacks**

The only supported communication is TCP/IP Stack.

#### **4.1.1. TCP/IP Stack**

mediCAD DICOM Service uses the TCP/IP stack provided by the operating system (WinServer2025/WinNT/Win11 etc.)

## **5. Extensions / Privatizations / Specializations**

None.

## **6. Configuration**

AETs and Ports are configurable.

## **7. Extended Character Sets**

Unsupported.

## **8. Codes and Controlled Terminology**

No Codes and Controlled Terminology are supported.