

DICOM Conformance Statement

Application Annex:

CT Applications on Advanced Visualization Workspace V16



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1. Overview

For information about Chapter 1 till Chapter 8, please refer to 1937698 DICOM Conformance Statement - Advanced Visualization Workspace V16 – General

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3. Introduction

This DICOM Conformance Statement annex is applicable to the CT Applications on Advanced Visualization Workspace V16 hosting platform, later referred to as CT Applications. In general, the CT Applications are the user environment for viewing and analyzing CT images.

The following analysis packages are offered by CT Applications (licensing might be applicable):

- CT Viewer
- Multi-Modality Advanced Vessel Analysis (AVA)
- Brain perfusion (BP)
- Comprehensive Cardiac Analysis (CCA)
- Cardiac Viewer (CV)
- Lung Nodule Assessment (LNA)
- Virtual Colonoscopy (VC)
- Calcium Scoring (CS)
- CT Body perfusion (Functional CT)
- Lung Density (LD)
- CT DMP
- CT EPP
- CT Liver
- CT BMA
- CT Dental Planning
- Transcatheter Aortic-Valve Implantation (TAVI)
- Acute Multifunctional Review
- COPD
- CT Pulmonary Artery Analysis (PAA)
- Spectral Magic Glass On PACS
- Spectral CT Viewer
- Spectral Comprehensive Cardiac Analysis (CCA)
- CT MultiPhase analysis
- CT Pulmo Auto Results
- CT ASPECTS
- CT Auto Calcium Scoring
- AV Viewer
- AV CT Coronary Analysis
- AV CT Functional Cardiac Analysis
- AV Vascular
- 3Mensio*

Note*: 3Mensio is a 3rd party application hosted in AVW platform. Refer to the respective vendor DCS for conformance.

3.1. Revision History

Table 3-1: Revision History

Revision	Date	Product Version(s)	Change
01	01-Dec-2025	V16	Initial release of Advanced Visualization Workspace V16
02	29-Jun-2026	V16	Updated for release candidate

3.2. Audience

This document is intended for the audience listed below. It is assumed that the reader has a working knowledge of the DICOM Standard.

The document structure was designed for easier access to relevant information for different user groups:

- Clinical Users, who want to get an overview of the implemented interoperability features of the system can see Section 4 Implementation Model.
- Personnel involved in Sales can use the information in Section 1 to assess the compatibility between different systems involved in a sales situation.
- System Integrators can use information in Section 6 during system installation and also information from Section 5 Service and Interoperability Description for details regarding the implemented services.
- Field Service Engineers can use the details from Section 5 Service and Interoperability Description and from Section 7 Network and Media Communication Details for troubleshooting.
- Hospital IT staff focusing on security can use the details provided in Section 8 Security regarding implemented Security features.
- Research Personnel may be interested in using information provided in Appendix A Information Object Definitions (IODs) or Appendix B Structured Report Content Encoding to get detailed imaging and measurement information.

3.3. Remarks

The scope of this DICOM Conformance Statement is to facilitate integration between Advanced Visualization Workspace V16 and other DICOM products. The Conformance Statement should be read and understood in conjunction with the DICOM Standard. DICOM by itself does not guarantee interoperability.

- The Conformance Statement does, however, facilitate a first-level comparison for interoperability between different applications supporting compatible DICOM functionality.
- This Conformance Statement should not replace validation with other DICOM equipment to ensure proper exchange of intended information. In fact, it is the user's responsibility to perform the following validation activities:

- The comparison of Conformance Statements from Advanced Visualization Workspace V16 and other DICOM conformant equipment is the first step towards assessing interconnectivity and interoperability between those systems.
- Test procedures should be defined and executed to validate the required level of interoperability with specific DICOM conformant equipment, as established by the healthcare facility.

3.4. Terms and Definitions

The following list includes DICOM Terms, that are used throughout this Conformance Statement:

Table 3-2: Terms and Definitions

Abstract Syntax	The information agreed to be exchanged between applications, generally equivalent to a Service/Object Pair (SOP) Class. Examples: Verification SOP Class, Modality Worklist Information Model Find SOP Class, Computed Radiography Image Storage SOP Class.
Application Entity (AE)	A representation of the external behavior of an application process in terms of DICOM Network Services, Web Services and/or media exchange capabilities implemented in one or more roles. A single device may have multiple Application Entities.
Application Entity Title (AET)	The externally known name of an Application Entity, used to identify a DICOM application to other DICOM applications on the network.
Application Context	The specification of the type of communication used between Application Entities. Example: DICOM network protocol.
Association	A network communication channel set up between Application Entities.
Attribute	A unit of information in an Information Object Definition; a Data Element identified by a tag. The information may be a complex data structure (Sequence), itself composed of lower-level data elements. Examples: Patient ID (0010,0020), Accession Number (0008,0050), Photometric Interpretation (0028,0004), Procedure Code Sequence (0008,1032).
Data Element	A unit of information as defined by a single entry in the data dictionary. An encoded Information Object Definition (IOD) Attribute that is composed of, at a minimum, three fields: a Data Element Tag, a Value Length, and a Value Field. For some specific Transfer Syntaxes, a Data Element also contains a VR Field where the Value Representation of that Data Element is specified explicitly
Information Object Definition (IOD)	The specified set of Attributes that comprise a type of data object; does not represent a specific instance of the data object, but rather a class of similar data objects that have the same properties. Examples: MR Image IOD, CT Image IOD, Print Job IOD. The Attributes within an IOD may be specified as Mandatory (Type 1), Required but possibly unknown (Type 2), or Optional

	(Type 3), and there may be conditions associated with the use of an Attribute (Types 1C and 2C).
Media Application Profile	The specification of DICOM information objects and encoding exchanged on removable media (e.g., CDs).
Module	A set of Attributes within an Information Object Definition that are logically related to each other. Example: Patient Module includes Patient's Name, Patient ID, Patient's Birth Date, and Patient's Sex.
Negotiation	First phase of Association establishment that allows Application Entities to agree on the types of data to be exchanged and how that data will be encoded.
Origin Server	Refers to the program that can originate authoritative responses to HTTP requests for a given Target Resource. The term "server" refers to any implementation that receives a web service request message from a user agent.
Presentation Context	The set of DICOM Network Services used over an Association, as negotiated between Application Entities; includes Abstract Syntaxes and Transfer Syntaxes.
Private SOP Class	A SOP Class that is not defined in the DICOM Standard but is published in an implementation's Conformance Statement.
Protocol Data Unit (PDU)	A packet (piece) of a DICOM message sent across the network. Devices must specify the maximum size packet they can receive for DICOM messages.
Security Profile	A set of mechanisms, such as encryption, user authentication, or digital signatures, used by an Application Entity to ensure confidentiality, integrity, and/or availability of exchanged DICOM data.
Service Class Provider (SCP)	Role of an Application Entity that provides a DICOM network service; typically, a server that performs operations requested by another Application Entity (Service Class User). Examples: Picture Archiving and Communication System (image storage SCP, and image query/retrieve SCP), Radiology Information System (modality worklist SCP).
Service Class User (SCU)	Role of an Application Entity that uses a DICOM Network Service; typically, a client. Examples: imaging modality (image storage SCU, and modality worklist SCU), imaging workstation (image query/retrieve SCU).
Service/Object Pair Class (SOP Class)	The specification of the network or media transfer (service) of a particular type of data (object); the fundamental unit of a DICOM interoperability specification. Examples: Ultrasound Image Storage Service, Basic Grayscale Print Management.
Service/Object Pair Instance (SOP Instance)	An information object; a specific occurrence of information exchanged in a SOP Class. E.g., a specific X-ray image.

Specialized SOP Class	A SOP Class that is derived from the Standard that is specialized by additional type 1, 1C, 2, 2C, or 3 Attributes, by enumeration of specific permitted Values for Attributes, or by enumeration of specific permitted Templates. The additional Attributes may either be drawn from the Data Dictionary in PS3.6 or may be Private Attributes.
Standard SOP Class	A SOP Class defined in the Standard, and that is implemented and used without any modifications.
Standard Extended SOP Class	A SOP Class that is defined in the standard, and that is extended by additional type 3 Attributes. The additional Attributes may either be drawn from the DICOM Data Dictionary in PS3.6 or may be Private Attributes.
Tag	A 32-bit identifier for a Data Element, represented as a pair of four-digit hexadecimal numbers, the "group" and the "element". If the "group" number is odd, the tag is for a private (manufacturer-specific) data element. Examples: (0010,0020) [Patient ID], (07FE,0010) [Pixel Data], (0019,0210) [private data element].
Transfer Syntax	The encoding used for exchange of DICOM information objects and messages. Examples: JPEG compressed (images), Little Endian Explicit Value Representation.
TLS-Secured Port	TCP port on which an implementation accepts TLS connections to exchange DICOM information.
Unique Identifier (UID)	A globally unique "dotted decimal" string that identifies a specific object or a class of objects; an ISO-8824 Object Identifier. Examples: Study Instance UID, SOP Class UID, SOP Instance UID.
User Agent	A client in a network protocol used in communications within a client-server distributed computing system. In particular, the Hypertext Transfer Protocol (HTTP) identifies the client software originating the request, using a user-agent header, even when the client is not operated by a user.
Value Representation (VR)	The format type of an individual DICOM data element, such as text, an integer, a person's name, or a code. DICOM information objects can be transmitted with either explicit identification of the type of each data element (Explicit VR), or without explicit identification (Implicit VR) ; with Implicit VR, the receiving application must use a DICOM data dictionary to look up the format of each data element.

The following list includes product specific definitions used throughout this Conformance Statement

AVW	Advanced Visualization Workspace
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3.5. Audience

Abbreviations that are used in this DICOM Conformance Statement are listed here.

Table 3-3: Abbreviations

AE	Application Entity
AET	Application Entity Title
CAD	Computer Aided Detection
CDA	Clinical Document Architecture
CID	Context Identifier
DCS	DICOM Conformance Statement
DHCP	Dynamic Host Configuration Protocol
DICOM	Digital Imaging and Communications in Medicine
ELE	Explicit VR Little Endian
FSC	File-Set Creator
FSU	File-Set Updater
FSR	File-Set Reader
IANA	Internet Assigned Numbers Authority
IHE	Integrating the Healthcare Enterprise
ILE	Implicit VR Little Endian
IOD	Information Object Definition
IPv4	Internet Protocol version 4
IPv6	Internet Protocol version 6
ISO	International Organization for Standardization
MPPS	Modality Performed Procedure Step
MWL	Modality Worklist
NEMA	National Electrical Manufacturers Association
NTP	Network Time Protocol
OID	Object Identifier
OS	Origin Server
PDU	Protocol Data Unit
PHI	Protected Health Information

PPS	Performed Procedure Step
QIDO-RS	Query based on ID for DICOM Objects by RESTful Services
RTV	Real Time Video
SCP	Service Class Provider
SCU	Service Class User
SDP	Service Description Protocol
SOP	Service-Object Pair
SPS	Scheduled Procedure Step
SR	Structured Reporting
STOW-RS	Store Over the Web by RESTful Services
TCP/IP	Transmission Control Protocol/Internet Protocol
TID	Template Identifier
UA	User Agent
UI	User Interface
UID	Unique Identifier
UL	Upper Layer
UPS	Unified Procedure Step
UPS-RS	Unified Procedure Step by RESTful Services
VR	Value Representation
WADO-RS	Web Access to DICOM Objects by RESTful Services
WADO-URI	Web Access to DICOM Objects by URI

3.6. Reference

National Electrical Manufacturers Association (NEMA), Rosslyn, VA USA. *PS3 / ISO 12052 Digital Imaging and Communications in Medicine (DICOM) Standard*. <http://www.dicomstandard.org>.

4. Implementation Model

For information about this Section, please Refer 1937698 DICOM Conformance Statement - Advanced Visualization Workspace V16 - General

5. Service and Interoperability Description

For information about this Section, please refer to 1937698 DICOM Conformance Statement - Advanced Visualization Workspace V16 - General

6. Configuration

For information about this Section, please refer to 1937698 DICOM Conformance Statement - Advanced Visualization Workspace V16 - General

7. Network and Media Communication Details

For information about this Section, please refer to 1937698 DICOM Conformance Statement - Advanced Visualization Workspace V16 - General

8. Security

For information about this Section, please refer to 1937698 DICOM Conformance Statement - Advanced Visualization Workspace V16 - General

Annexes of CT applications

A Information Object Definitions (IODs)

This section provides the detailed content for all the SOP Instances natively created by CT applications.

Throughout the tables listed in Annex A the following codes are used for the “Source” and “Presence” columns.

In the “Source” column, the following Values can be used:

- **FIXED:** The Value is pre-defined and cannot be modified.
- **GENERATED:** The Value is generated by the system.
- **CONFIGURATION:** The Value is copied from the system configuration.
- **MWL:** The Value is copied from a Modality Worklist entry.
- **QUERY:** The Value is determined by performing a query of any of the supported Query/Retrieve Services.
- **USER:** The Value is entered by the user.
- **SCANNED:** The Value is read from a barcode scanner or similar device.
- **EMPTY:** The Attribute is sent with a zero-length Value.
- **SRC_INSTANCE:** The Value is copied from previously created/received SOP Instances.

The “Presence” columns reflect the usage of the Module, Functional Group Macro, Attributes, or Value in the Implementation and is not necessarily the same as defined in the DICOM Standard. For the “Presence” column the following Values can be used:

- **ALWAYS:** the module, functional group macro, Attributes or Value is always present.
- **CONDITIONAL:** the presence of the module, functional group macro, Attributes or Value is dependent on a condition. The condition must be listed in the "Conditions" column.
- **SRC_COPY:** The presence of the Attributes and Values depends on the availability of these in the source instances, which are used for copying this information.
- **EMPTY:** The Attribute is present but without a Value (zero length).

A.1 - Information shared across multiple IODs

A.1.1 - Common Modules

Common Table Patient Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Referenced Patient Sequence	(0008,1120)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Referenced SOP Class UID	(0008,1150)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Referenced SOP Instance UID	(0008,1155)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Patient's Name	(0010,0010)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Patient ID	(0010,0020)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Patient's Birth Date	(0010,0030)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Patient's Birth Time	(0010,0032)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Patient's Sex	(0010,0040)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Other Patient IDs	(0010,1000)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Other Patient Names	(0010,1001)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Ethnic Group	(0010,2160)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Patient Comments	(0010,4000)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Issuer of Patient ID	(0010,0021)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Patient Identify Removed	(0012,0062)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
De-Identification Method	(0012,0063)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Common Table General Study Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Study Date	(0008,0020)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Study Time	(0008,0030)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Accession Number	(0008,0050)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Referring Physician's Name	(0008,0090)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Referring Physician Identification Sequence	(0008,0096)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Study Description	(0008,1030)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Procedure Code Sequence	(0008,1032)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Code Value	(0008,0100)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Coding Scheme Designator	(0008,0102)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Coding Scheme Version	(0008,0103)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Code Meaning	(0008,0104)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Mapping Resource	(0008,0105)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Context Group Version	(0008,0106)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Context Group Local Version	(0008,0107)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Context Group Extension Flag	(0008,010B)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Context Group Extension Creator UID	(0008,010D)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Context Identifier	(0008,010F)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Physician(s) of Record	(0008,1048)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Physician(s) of Record Identification Sequence	(0008,1049)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Name of Physician(s) Reading Study	(0008,1060)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Physician(s) Reading Study Identification Sequence	(0008,1062)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Referenced Study Sequence	(0008,1110)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Referenced SOP Class UID	(0008,1150)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

>Referenced SOP Instance UID	(0008,1155)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Study Instance UID	(0020,000D)	GENERATED SRC_INSTANCE	ALWAYS	ALWAYS			-
Study ID	(0020,0010)	GENERATED SRC_INSTANCE	ALWAYS	CONDITIONAL			-
Requesting Service	(0032,1033)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Common Table Patient Study Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Admitting Diagnoses Description	(0008,1080)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Admitting Diagnoses Code Sequence	(0008,1084)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Patient's Age	(0010,1010)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Patient's Size	(0010,1020)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Patient's Weight	(0010,1030)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Medical Alerts	(0010,2000)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Allergies	(0010,2110)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Occupation	(0010,2180)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Additional Patient History	(0010,21B0)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Pregnancy Status	(0010,21C0)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Patient State	(0038,0500)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Common Table General Series Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
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Series Date	(0008,0021)	GENERATED	CONDITIONAL	ALWAYS			-
Series Time	(0008,0031)	GENERATED	CONDITIONAL	ALWAYS			-
Modality	(0008,0060)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Series Description	(0008,103E)	SRC_INSTANCE USER	CONDITIONAL	ALWAYS			-
Performing Physician's Name	(0008,1050)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Operators' Name	(0008,1070)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Referenced Performed Procedure Step Sequence	(0008,1111)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Referenced SOP Class UID	(0008,1150)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Referenced SOP Instance UID	(0008,1155)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Body Part Examined	(0018,0015)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Protocol Name	(0018,1030)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Patient Position	(0018,5100)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Series Instance UID	(0020,000E)	GENERATED	ALWAYS	ALWAYS			-
Series Number	(0020,0011)	GENERATED	ALWAYS	ALWAYS			-
Laterality	(0020,0060)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Smallest Pixel Value in Series	(0028,0108)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Largest Pixel Value in Series	(0028,0109)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Request Attributes Sequence	(0040,0275)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Scheduled Procedure Step Description	(0040,0007)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Scheduled Protocol Code Sequence	(0040,0008)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Scheduled Procedure Step ID	(0040,0009)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Requested Procedure ID	(0040,1001)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Performed Procedure Step Start Date	(0040,0244)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Performed Procedure Step Start Time	(0040,0245)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Performed Procedure Step ID	(0040,0253)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Performed Procedure Step Description	(0040,0254)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Performed Protocol Code Sequence	(0040,0260)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Code Value	(0008,0100)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Coding Scheme Designator	(0008,0102)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Coding Scheme Version	(0008,0103)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Mapping Resource	(0008,0105)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Context Group Version	(0008,0106)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Context Group Local Version	(0008,0107)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Context Group Extension Flag	(0008,010B)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Context Group Extension Creator UID	(0008,010D)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Context Identifier	(0008,010F)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Comments on the Performed Procedure Step	(0040,0280)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Common Table General Equipment Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Manufacturer	(0008,0070)	FIXED	ALWAYS	ALWAYS	Philips		-
Institution Name	(0008,0080)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Institution Address	(0008,0081)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Station Name	(0008,1010)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Institutional Department Name	(0008,1040)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Manufacturer's Model Name	(0008,1090)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Device Serial Number	(0018,1000)	SRC_INSTANCE	SRC_COPY	SRC_COPY			System serial number.
Software Versions	(0018,1020)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Spatial Resolution	(0018,1050)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Date of Last Calibration	(0018,1200)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Time of Last Calibration	(0018,1201)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Pixel Padding Value	(0028,0120)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Common Table SC Equipment Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Modality	(0008,0060)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Conversion Type	(0008,0064)	FIXED	ALWAYS	ALWAYS	WSD		-
Secondary Capture Device ID	(0018,1010)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Secondary Capture Device Manufacturer	(0018,1016)	FIXED	ALWAYS	ALWAYS	Philips		-
Secondary Capture Device Manufacturer's Model Name	(0018,1018)	FIXED	ALWAYS	ALWAYS	AVW		-
Secondary Capture Device Software Versions	(0018,1019)	FIXED	ALWAYS	ALWAYS	16.x		-

Common Table General Acquisition Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
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Acquisition Date	(0008,0022)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Acquisition DateTime	(0008,002A)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Acquisition Time	(0008,0032)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Acquisition Duration	(0018,9073)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Acquisition Number	(0020,0012)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Images in Acquisition	(0020,1002)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Common Table General Image Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Image Type	(0008,0008)	GENERATED	ALWAYS	ALWAYS			-
Content Date	(0008,0023)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Content Time	(0008,0033)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Instance Number	(0020,0013)	GENERATED SRC_INSTANCE	ALWAYS	ALWAYS			-
Patient Orientation	(0020,0020)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Image Laterality	(0020,0062)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Image Comments	(0020,4000)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Quality Control Image	(0028,0300)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Burned In Annotation	(0028,0301)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Lossy Image Compression	(0028,2110)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Lossy Image Compression Ratio	(0028,2112)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Icon Image Sequence	(0088,0200)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Samples per Pixel	(0028,0002)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Photometric Interpretation	(0028,0004)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Planar Configuration	(0028,0006)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

>Rows	(0028,0010)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Columns	(0028,0011)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Pixel Aspect Ratio	(0028,0034)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Bits Allocated	(0028,0100)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Bits Stored	(0028,0101)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>High Bit	(0028,0102)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Pixel Representation	(0028,0103)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Smallest Image Pixel Value	(0028,0106)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Largest Image Pixel Value	(0028,0107)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Red Palette Color Lookup Table Descriptor	(0028,1101)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Green Palette Color Lookup Table Descriptor	(0028,1102)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Blue Palette Color Lookup Table Descriptor	(0028,1103)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Red Palette Color Lookup Table Data	(0028,1201)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Green Palette Color Lookup Table Data	(0028,1202)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Blue Palette Color Lookup Table Data	(0028,1203)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Pixel Data	(7FE0,0010)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Presentation LUT Shape	(2050,0020)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Common Table General Reference Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
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Referenced Image Sequence	(0008,1140)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Referenced SOP Class UID	(0008,1150)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Referenced SOP Instance UID	(0008,1155)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Purpose of Reference Code Sequence	(0040,A170)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>>Code Value	(0008,0100)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>>Coding Scheme Designator	(0008,0102)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>>Code Meaning	(0008,0104)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>>Context UID	(0008,0117)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Derivation Description	(0008,2111)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Source Image Sequence	(0008,2112)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Referenced SOP Class UID	(0008,1150)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Referenced SOP Instance UID	(0008,1155)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Spatial Locations Preserved	(0028,135A)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
> Purpose of Reference Code Sequence	(0040,A170)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>>Code Value	(0008,0100)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>>Coding Scheme Designator	(0008,0102)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>>Code Meaning	(0008,0104)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>>Context UID	(0008,0117)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Derivation Code Sequence	(0008,9215)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Code Value	(0008,0100)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Coding Scheme Designator	(0008,0102)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Code Meaning	(0008,0104)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>>Context UID	(0008,0117)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Common Table Contrast/Bolus Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Contrast/Bolus Agent	(0018,0010)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Contrast/Bolus Agent Sequence	(0018,0012)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Contrast/Bolus Administration Route Sequence	(0018,0014)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Additional Drug Sequence	(0018,002A)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Contrast/Bolus Route	(0018,1040)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Contrast/Bolus Volume	(0018,1041)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Contrast/Bolus Start Time	(0018,1042)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Contrast/Bolus Stop Time	(0018,1043)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Contrast/Bolus Total Dose	(0018,1044)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Contrast Flow Rate	(0018,1046)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Contrast Flow Duration	(0018,1047)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Contrast/Bolus Ingredient	(0018,1048)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Contrast/Bolus Ingredient Concentration	(0018,1049)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Common Table SOP Common Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Specific Character Set	(0008,0005)	GENERATED SRC_INSTANCE	CONDITIONAL	ALWAYS			-
Instance Creation Date	(0008,0012)	GENERATED	ALWAYS	ALWAYS			-
Instance Creation Time	(0008,0013)	GENERATED	ALWAYS	ALWAYS			-
Instance Creator UID	(0008,0014)	GENERATED	CONDITIONAL	ALWAYS			-

SOP Class UID	(0008,0016)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
SOP Instance UID	(0008,0018)	GENERATED	ALWAYS	ALWAYS			-
Timezone Offset From UTC	(0008,0201)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Contributing Equipment Sequence	(0018,A001)	GENERATED	CONDITIONAL	ALWAYS			-
>Manufacturer	(0008,0070)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Institution Name	(0008,0080)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Institution Address	(0008,0081)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Station Name	(0008,1010)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Institutional Department Name	(0008,1040)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Manufacturer's Model Name	(0008,1090)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Device Serial Number	(0018,1000)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Software Versions	(0018,1020)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Contribution DateTime	(0018,A002)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Contribution Description	(0018,A003)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Purpose of Reference Code Sequence	(0040,A170)	FIXED	ALWAYS	ALWAYS			-
>>Code Value	(0008,0100)	FIXED	ALWAYS	ALWAYS	109102		-
>>Coding Scheme Designator	(0008,0102)	FIXED	ALWAYS	ALWAYS	DCM		-
>>Code Meaning	(0008,0104)	FIXED	ALWAYS	ALWAYS	Processing Equipment		-
Instance Number	(0020,0013)	GENERATED	CONDITIONAL	ALWAYS			-

A.1.2 - Common Functional Group Macros - N/A

A.1.3 - Common Private Modules - N/A

A.1.4 - Coded Values - N/A

A.2 - CT Image Storage SOP Class

Table IOD of Created CT Image Storage SOP Class Instances

IE	Module Name	Presence(Module)	Condition	Reference
Patient	Patient	ALWAYS		Patient Module
Study	General Study	ALWAYS		General Study Module
	Patient Study	CONDITIONAL	IF PRESENT IN THE SOURCE DATA	Patient Study Module
Series	General Series	ALWAYS		General Series Module
Frame of Reference	Frame of Reference	ALWAYS		Frame of Reference Module
Equipment	General Equipment	ALWAYS		General Equipment Module
Acquisition	General Acquisition	ALWAYS		General Acquisition Module
Image	General Image	ALWAYS		General Image Module
	General Reference	CONDITIONAL	IF PRESENT IN THE SOURCE DATA	General Reference Module
	Image Plane	ALWAYS		Image Plane Module
	Image Pixel	ALWAYS		Image Pixel Module
	Contrast/Bolus	CONDITIONAL	IF PRESENT IN THE SOURCE DATA	Contrast/Bolus Module
	CT Image	ALWAYS		CT Image Module
	Overlay Plane	CONDITIONAL	IF PRESENT IN THE SOURCE DATA	Overlay Plane Module
	VOI LUT	CONDITIONAL	Required if present in the source data	VOI LUT Module
	SOP Common	ALWAYS		SOP Common Module

A.2.1 - IOD Specific Modules

Table Frame of Reference Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Frame of Reference UID	(0020,0052)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Position Reference Indicator	(0020,1040)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Table Image Plane Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Slice Thickness	(0018,0050)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Image Position (Patient)	(0020,0032)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Image Orientation (Patient)	(0020,0037)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Slice Location	(0020,1041)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Pixel Spacing	(0028,0030)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Table Image Pixel Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Planar Configuration	(0028,0006)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Rows	(0028,0010)	GENERATED SRC_INSTANCE	ALWAYS	ALWAYS			-
Columns	(0028,0011)	GENERATED SRC_INSTANCE	ALWAYS	ALWAYS			-
Samples per Pixel	(0028,0002)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Photometric Interpretation	(0028,0004)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Bits Allocated	(0028,0100)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Bits Stored	(0028,0101)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Pixel Representation	(0028,0103)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
High Bit	(0028,0102)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Pixel Aspect Ratio	(0028,0034)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Smallest Image Pixel Value	(0028,0106)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Largest Image Pixel Value	(0028,0107)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Red Palette Color Lookup Table Descriptor	(0028,1101)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Green Palette Color Lookup Table Descriptor	(0028,1102)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Blue Palette Color Lookup Table Descriptor	(0028,1103)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Red Palette Color Lookup Table Data	(0028,1201)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Green Palette Color Lookup Table Data	(0028,1202)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Blue Palette Color Lookup Table Data	(0028,1203)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Pixel Data	(7FE0,0010)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Table CT Image Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Image Type	(0008,0008)	GENERATED	ALWAYS	ALWAYS			Possible value shall be mentioned
Scan Options	(0018,0022)	GENERATED	CONDITIONAL	ALWAYS			-

KVP	(0018,0060)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Data Collection Diameter	(0018,0090)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Reconstruction Diameter	(0018,1100)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Distance Source to Detector	(0018,1110)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Distance Source to Patient	(0018,1111)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Gantry/Detector Tilt	(0018,1120)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Table Height	(0018,1130)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Rotation Direction	(0018,1140)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Exposure Time	(0018,1150)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
X-Ray Tube Current	(0018,1151)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Exposure	(0018,1152)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Exposure in Å,ÅµAs	(0018,1153)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Filter Type	(0018,1160)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Generator Power	(0018,1170)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Focal Spot(s)	(0018,1190)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Convolution Kernel	(0018,1210)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Revolution Time	(0018,9305)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Single Collimation Width	(0018,9306)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Total Collimation Width	(0018,9307)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Table Speed	(0018,9309)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Table Feed per Rotation	(0018,9310)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Exposure Modulation Type	(0018,9323)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Estimated Dose Saving	(0018,9324)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
CTDIvol	(0018,9345)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Spiral Pitch Factor	(0018,9311)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Acquisition Number	(0020,0012)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Samples per Pixel	(0028,0002)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Photometric Interpretation	(0028,0004)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Bits Allocated	(0028,0100)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Bits Stored	(0028,0101)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
High Bit	(0028,0102)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Rescale Intercept	(0028,1052)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Rescale Slope	(0028,1053)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Rescale Type	(0028,1054)	GENERATED	ALWAYS	ALWAYS			-

Table Overlay Plane Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Overlay Rows	(60xx,0010)	GENERATED	ALWAYS	ALWAYS			-
Overlay Columns	(60xx,0011)	GENERATED	ALWAYS	ALWAYS			-
Overlay Description	(60xx,0022)	GENERATED	CONDITIONAL	ALWAYS			-
Overlay Type	(60xx,0040)	GENERATED	ALWAYS	ALWAYS			-
Overlay Subtype	(60xx,0045)	GENERATED	CONDITIONAL	ALWAYS			-
Overlay Origin	(60xx,0050)	GENERATED	ALWAYS	ALWAYS			-
Overlay Bits Allocated	(60xx,0100)	GENERATED	ALWAYS	ALWAYS			-
Overlay Bit Position	(60xx,0102)	GENERATED	ALWAYS	ALWAYS			-
ROI Area	(60xx,1301)	GENERATED	CONDITIONAL	ALWAYS			-
ROI Mean	(60xx,1302)	GENERATED	CONDITIONAL	ALWAYS			-
ROI Standard Deviation	(60xx,1303)	GENERATED	CONDITIONAL	ALWAYS			-
Overlay Label	(60xx,1500)	GENERATED	CONDITIONAL	ALWAYS			-
Overlay Data	(60xx,3000)	GENERATED	ALWAYS	ALWAYS			-

Table VOI LUT Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Window Center	(0028,1050)	GENERATED	CONDITIONAL	ALWAYS			-
Window Width	(0028,1051)	GENERATED	CONDITIONAL	ALWAYS			-
Window Center & Width Explanation	(0028,1055)	GENERATED	CONDITIONAL	ALWAYS			-
VOI LUT Sequence	(0028,3010)	GENERATED	CONDITIONAL	ALWAYS			-

A.2.2 - Functional Group Macros - N/A

A.2.3 - Private Modules - N/A

A.2.4 - Coded Values - N/A

A.3 - MR Image Storage SOP Class

Table IOD of Created MR Image Storage SOP Class Instances

IE	Module Name	Presence(Module)	Condition	Reference
Patient	Patient	ALWAYS		Patient Module
Study	General Study	ALWAYS		General Study Module
	Patient Study	CONDITIONAL	IF PRESENT IN THE SOURCE DATA	Patient Study Module
Series	General Series	ALWAYS		General Series Module
Frame of Reference	Frame of Reference	ALWAYS		Frame of Reference Module
Equipment	General Equipment	ALWAYS		General Equipment Module
Acquisition	General Acquisition	ALWAYS		General Acquisition Module
Image	General Image	ALWAYS		General Image Module
	General Reference	CONDITIONAL	IF PRESENT IN THE SOURCE DATA	General Reference Module
	Image Plane	ALWAYS		Image Plane Module
	Image Pixel	ALWAYS		Image Pixel Module

	Contrast/Bolus	CONDITIONAL	IF PRESENT IN THE SOURCE DATA	Contrast/Bolus Module
	MR Image	ALWAYS		MR Image Module
	Overlay Plane	CONDITIONAL	IF PRESENT IN THE SOURCE DATA	Overlay Plane Module
	VOI LUT	CONDITIONAL	IF PRESENT IN THE SOURCE DATA	VOI LUT Module
	SOP Common	ALWAYS		SOP Common Module

A.3.1 - IOD Specific Modules

Table Frame of Reference Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Frame of Reference UID	(0020,0052)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Position Reference Indicator	(0020,1040)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Table Image Plane Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Slice Thickness	(0018,0050)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Image Position (Patient)	(0020,0032)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Image Orientation (Patient)	(0020,0037)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Slice Location	(0020,1041)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Pixel Spacing	(0028,0030)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Table Image Pixel Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Planar Configuration	(0028,0006)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Samples per Pixel	(0028,0002)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Photometric Interpretation	(0028,0004)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Rows	(0028,0010)	GENERATED SRC_INSTANCE	ALWAYS	ALWAYS			-
Columns	(0028,0011)	GENERATED SRC_INSTANCE	ALWAYS	ALWAYS			-
Bits Allocated	(0028,0100)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Bits Stored	(0028,0101)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
High Bit	(0028,0102)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Pixel Aspect Ratio	(0028,0034)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Pixel Representation	(0028,0103)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Smallest Image Pixel Value	(0028,0106)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Largest Image Pixel Value	(0028,0107)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Red Palette Color Lookup Table Descriptor	(0028,1101)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Green Palette Color Lookup Table Descriptor	(0028,1102)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Blue Palette Color Lookup Table Descriptor	(0028,1103)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Red Palette Color Lookup Table Data	(0028,1201)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Green Palette Color Lookup Table Data	(0028,1202)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Blue Palette Color Lookup Table Data	(0028,1203)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Pixel Data	(7FE0,0010)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Table MR Image Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Image Type	(0008,0008)	GENERATED	ALWAYS	ALWAYS			-
Scanning Sequence	(0018,0020)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Sequence Variant	(0018,0021)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Scan Options	(0018,0022)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
MR Acquisition Type	(0018,0023)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Sequence Name	(0018,0024)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Angio Flag	(0018,0025)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Repetition Time	(0018,0080)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Echo Time	(0018,0081)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Inversion Time	(0018,0082)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Number of Averages	(0018,0083)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Imaging Frequency	(0018,0084)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Imaged Nucleus	(0018,0085)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Echo Number(s)	(0018,0086)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Magnetic Field Strength	(0018,0087)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Spacing Between Slices	(0018,0088)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Number of Phase Encoding Steps	(0018,0089)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Echo Train Length	(0018,0091)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Percent Sampling	(0018,0093)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Percent Phase Field of View	(0018,0094)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Pixel Bandwidth	(0018,0095)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Trigger Time	(0018,1060)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Nominal Interval	(0018,1062)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Beat Rejection Flag	(0018,1080)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Low R-R Value	(0018,1081)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
High R-R Value	(0018,1082)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Intervals Acquired	(0018,1083)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Intervals Rejected	(0018,1084)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
PVC Rejection	(0018,1085)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Skip Beats	(0018,1086)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Heart Rate	(0018,1088)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Cardiac Number of Images	(0018,1090)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Trigger Window	(0018,1094)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Reconstruction Diameter	(0018,1100)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Receive Coil Name	(0018,1250)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Transmit Coil Name	(0018,1251)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Acquisition Matrix	(0018,1310)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
In-plane Phase Encoding Direction	(0018,1312)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Flip Angle	(0018,1314)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
SAR	(0018,1316)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
dB/dt	(0018,1318)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Temporal Position Identifier	(0020,0100)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Number of Temporal Positions	(0020,0105)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Temporal Resolution	(0020,0110)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Samples per Pixel	(0028,0002)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Photometric Interpretation	(0028,0004)	SRC_INSTANCE	SRC_COPY	SRC_COPY	MONOCHROME2		-
Bits Allocated	(0028,0100)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Table Overlay Plane Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Overlay Rows	(60xx,0010)	GENERATED	ALWAYS	ALWAYS			-
Overlay Columns	(60xx,0011)	GENERATED	ALWAYS	ALWAYS			-
Overlay Description	(60xx,0022)	GENERATED	CONDITIONAL	ALWAYS			-
Overlay Type	(60xx,0040)	GENERATED	ALWAYS	ALWAYS			-
Overlay Subtype	(60xx,0045)	GENERATED	CONDITIONAL	ALWAYS			-
Overlay Origin	(60xx,0050)	GENERATED	ALWAYS	ALWAYS			-
Overlay Bits Allocated	(60xx,0100)	GENERATED	ALWAYS	ALWAYS			-
Overlay Bit Position	(60xx,0102)	GENERATED	ALWAYS	ALWAYS			-
ROI Area	(60xx,1301)	GENERATED	CONDITIONAL	ALWAYS			-
ROI Mean	(60xx,1302)	GENERATED	CONDITIONAL	ALWAYS			-
ROI Standard Deviation	(60xx,1303)	GENERATED	CONDITIONAL	ALWAYS			-
Overlay Label	(60xx,1500)	GENERATED	CONDITIONAL	ALWAYS			-
Overlay Data	(60xx,3000)	GENERATED	ALWAYS	ALWAYS			-

Table VOI LUT Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Window Center	(0028,1050)	GENERATED	CONDITIONAL	ALWAYS			-
Window Width	(0028,1051)	GENERATED	CONDITIONAL	ALWAYS			-
Window Center & Width Explanation	(0028,1055)	GENERATED	CONDITIONAL	ALWAYS			-

A.3.2 - Functional Group Macros - N/A

A.3.3 - Private Modules - N/A

A.3.4 - Coded Values - N/A

A.4 - Secondary Capture Image Storage SOP Class

Table IOD of Created Secondary Capture Image Storage SOP Class Instances

IE	Module Name	Presence(Module)	Condition	Reference
Patient	Patient	ALWAYS		Patient Module
Study	General Study	ALWAYS		General Study Module
	Patient Study	CONDITIONAL	IF PRESENT IN THE SOURCE DATA	Patient Study Module
Series	General Series	ALWAYS		General Series Module
Equipment	General Equipment	CONDITIONAL	IF PRESENT IN THE SOURCE DATA	General Equipment Module
	SC Equipment	ALWAYS		SC Equipment Module
Acquisition	General Acquisition	ALWAYS		General Acquisition Module
Image	General Image	ALWAYS		General Image Module
	General Reference	CONDITIONAL	IF PRESENT IN THE SOURCE DATA	General Reference Module
	Image Pixel	ALWAYS		Image Pixel Module
	SC Image	CONDITIONAL	IF PRESENT IN THE SOURCE DATA	SC Image Module
	Overlay Plane	CONDITIONAL	IF PRESENT IN THE SOURCE DATA	Overlay Plane Module
	Modality LUT	CONDITIONAL	IF PRESENT IN THE SOURCE DATA	Modality LUT Module
	VOI LUT	CONDITIONAL	IF PRESENT IN THE SOURCE DATA	VOI LUT Module
	SOP Common	ALWAYS		SOP Common Module
	Common Instance Reference	CONDITIONAL	IF PRESENT IN THE SOURCE DATA	Common Instance Reference Module

A.4.1 - IOD Specific Modules

Table Image Pixel Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Samples per Pixel	(0028,0002)	GENERATED SRC_INSTANCE	ALWAYS	ALWAYS			-
Photometric Interpretation	(0028,0004)	GENERATED SRC_INSTANCE	ALWAYS	ALWAYS			-
Planar Configuration	(0028,0006)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Rows	(0028,0010)	GENERATED SRC_INSTANCE	ALWAYS	ALWAYS			-
Columns	(0028,0011)	GENERATED SRC_INSTANCE	ALWAYS	ALWAYS			-
Pixel Aspect Ratio	(0028,0034)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Bits Allocated	(0028,0100)	GENERATED	ALWAYS	ALWAYS			-
Bits Stored	(0028,0101)	GENERATED	ALWAYS	ALWAYS			-
High Bit	(0028,0102)	GENERATED	ALWAYS	ALWAYS			-
Pixel Representation	(0028,0103)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Smallest Image Pixel Value	(0028,0106)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Largest Image Pixel Value	(0028,0107)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Red Palette Color Lookup Table Descriptor	(0028,1101)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Green Palette Color Lookup Table Descriptor	(0028,1102)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Blue Palette Color Lookup Table Descriptor	(0028,1103)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Red Palette Color Lookup Table Data	(0028,1201)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Green Palette Color Lookup Table Data	(0028,1202)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Blue Palette Color Lookup Table Data	(0028,1203)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Pixel Data	(7FE0,0010)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Table SC Image Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Date of Secondary Capture	(0018,1012)	GENERATED	CONDITIONAL	ALWAYS			-
Time of Secondary Capture	(0018,1014)	GENERATED	CONDITIONAL	ALWAYS			-
Pixel Spacing	(0028,0030)	GENERATED	CONDITIONAL	ALWAYS			-

Table Overlay Plane Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Overlay Rows	(60xx,0010)	GENERATED	ALWAYS	ALWAYS			-
Overlay Columns	(60xx,0011)	GENERATED	ALWAYS	ALWAYS			-
Overlay Description	(60xx,0022)	GENERATED	CONDITIONAL	ALWAYS			-
Overlay Type	(60xx,0040)	GENERATED	ALWAYS	ALWAYS			-
Overlay Subtype	(60xx,0045)	GENERATED	CONDITIONAL	ALWAYS			-
Overlay Origin	(60xx,0050)	GENERATED	ALWAYS	ALWAYS			-
Overlay Bits Allocated	(60xx,0100)	GENERATED	ALWAYS	ALWAYS			-
Overlay Bit Position	(60xx,0102)	GENERATED	ALWAYS	ALWAYS			-
ROI Area	(60xx,1301)	GENERATED	CONDITIONAL	ALWAYS			-

ROI Mean	(60xx,1302)	GENERATED	CONDITIONAL	ALWAYS			-
ROI Standard Deviation	(60xx,1303)	GENERATED	CONDITIONAL	ALWAYS			-
Overlay Label	(60xx,1500)	GENERATED	CONDITIONAL	ALWAYS			-
Overlay Data	(60xx,3000)	GENERATED	ALWAYS	ALWAYS			-

Table Modality LUT Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Rescale Intercept	(0028,1052)	GENERATED	CONDITIONAL	ALWAYS			-
Rescale Slope	(0028,1053)	GENERATED	CONDITIONAL	ALWAYS			-
Rescale Type	(0028,1054)	GENERATED	CONDITIONAL	ALWAYS			-
Modality LUT Sequence	(0028,3000)	GENERATED	CONDITIONAL	ALWAYS			-
>LUT Descriptor	(0028,3002)	GENERATED	CONDITIONAL	ALWAYS			-
>LUT Explanation	(0028,3003)	GENERATED	CONDITIONAL	ALWAYS			-
>Modality LUT Type	(0028,3004)	GENERATED	CONDITIONAL	ALWAYS			-
>LUT Data	(0028,3006)	GENERATED	CONDITIONAL	ALWAYS			-

Table VOI LUT Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Window Center	(0028,1050)	GENERATED	CONDITIONAL	ALWAYS			-
Window Width	(0028,1051)	GENERATED	CONDITIONAL	ALWAYS			-
Window Center & Width Explanation	(0028,1055)	GENERATED	CONDITIONAL	ALWAYS			-
VOI LUT Sequence	(0028,3010)	GENERATED	CONDITIONAL	ALWAYS			-

Table Common Instance Reference Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Referenced Series Sequence	(0008,1115)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Referenced Instance Sequence	(0008,114A)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>>Referenced SOP Class UID	(0008,1150)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>>Referenced SOP Instance UID	(0008,1155)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Series Instance UID	(0020,000E)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

A.4.2 - Functional Group Macros - N/A

A.4.3 - Private Modules - N/A

A.4.4 - Coded Values - N/A

A.5 - Surface Segmentation Storage

Table IOD of Created Surface Segmentation Storage SOP Class Instances

IE	Module Name	Presence(Module)	Condition	Reference
Patient	Patient	ALWAYS		Patient Module
Study	General Study	ALWAYS		General Study Module
	Patient Study	ALWAYS		Patient Study Module
Series	General Series	ALWAYS		General Series Module
	Segmentation Series	ALWAYS		Segmentation Series Module
Frame of Reference	Frame of Reference	ALWAYS		Frame of Reference Module
Equipment	General Equipment	ALWAYS		General Equipment Module
	Enhanced General Equipment	ALWAYS		Enhanced General Equipment Module
Surface	Surface Segmentation	ALWAYS		Surface Segmentation Module

	Surface Mesh	ALWAYS		Surface Mesh Module
	Common Instance Reference	ALWAYS		Common Instance Reference Module
	SOP Common	ALWAYS		SOP Common Module

A.5.1 - IOD Specific Modules

Table Segmentation Series Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Modality	(0008,0060)	FIXED	ALWAYS	ALWAYS	SEG		-
Series Number	(0020,0011)	GENERATED	ALWAYS	ALWAYS			-

Table Frame of Reference Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Frame of Reference UID	(0020,0052)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Position Reference Indicator	(0020,1040)	EMPTY	ALWAYS	EMPTY			-

Table Enhanced General Equipment Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Manufacturer	(0008,0070)	FIXED	ALWAYS	ALWAYS	Philips		-
Manufacturer's Model Name	(0008,1090)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Device Serial Number	(0018,1000)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Software Versions	(0018,1020)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Table Surface Segmentation Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Instance Number	(0020,0013)	FIXED	ALWAYS	ALWAYS	1		-
Content Label	(0070,0080)	FIXED	ALWAYS	ALWAYS	SURFACE		-
Content Description	(0070,0081)	EMPTY	ALWAYS	EMPTY			-
Content Date	(0008,0023)	GENERATED	ALWAYS	ALWAYS			-
Content Time	(0008,0033)	GENERATED	ALWAYS	ALWAYS			-
Segment Sequence	(0062,0002)	GENERATED	ALWAYS	ALWAYS			-
>Segment Number	(0062,0004)	GENERATED	ALWAYS	ALWAYS			-
>Segment Label	(0062,0005)	GENERATED	ALWAYS	ALWAYS			-
>Segment Algorithm Type	(0062,0008)	GENERATED	ALWAYS	ALWAYS			-
>Segmented Property Category Code Sequence	(0062,0003)	GENERATED	ALWAYS	ALWAYS			-
>>Code Value	(0008,0100)	GENERATED	ALWAYS	ALWAYS			-
>>Coding Scheme Designator	(0008,0102)	GENERATED	ALWAYS	ALWAYS			-
>>Code Meaning	(0008,0104)	GENERATED	ALWAYS	ALWAYS			-
>Segmented Property Type Code Sequence	(0062,000F)	GENERATED	ALWAYS	ALWAYS			-
>>Code Value	(0008,0100)	GENERATED	ALWAYS	ALWAYS			-
>>Coding Scheme Designator	(0008,0102)	GENERATED	ALWAYS	ALWAYS			-
>>Code Meaning	(0008,0104)	GENERATED	ALWAYS	ALWAYS			-
>Tracking ID	(0062,0020)	GENERATED	ALWAYS	ALWAYS			-
>Tracking UID	(0062,0021)	GENERATED	ALWAYS	ALWAYS			-
>Surface Count	(0066,002A)	GENERATED	ALWAYS	ALWAYS			-
>Referenced Surface Sequence	(0066,002B)	GENERATED	ALWAYS	ALWAYS			-
>>Referenced Surface Number	(0066,002C)	GENERATED	ALWAYS	ALWAYS			-

>>Segment Surface Generation Algorithm Identification Sequence	(0066,002D)	GENERATED	ALWAYS	ALWAYS			-
>>>Algorithm Family Code Sequence	(0066,002F)	GENERATED	ALWAYS	ALWAYS			-
>>>>Code Value	(0008,0100)	GENERATED	ALWAYS	ALWAYS			-
>>>>Coding Scheme Designator	(0008,0102)	GENERATED	ALWAYS	ALWAYS			-
>>>>Code Meaning	(0008,0104)	GENERATED	ALWAYS	ALWAYS			-
>>>Algorithm Name	(0066,0036)	GENERATED	ALWAYS	ALWAYS			-
>>>Algorithm Version	(0066,0031)	GENERATED	ALWAYS	ALWAYS			-
>>Segment Surface Source Instance Sequence	(0066,002E)	EMPTY	ALWAYS	EMPTY			-

Table Surface Mesh Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Number of Surfaces	(0066,0001)	GENERATED	ALWAYS	ALWAYS			-
Surface Sequence	(0066,0002)	GENERATED	ALWAYS	ALWAYS			-
>Surface Number	(0066,0003)	GENERATED	ALWAYS	ALWAYS			-
>Surface Comments	(0066,0004)	GENERATED	ALWAYS	ALWAYS		Shall be Centerline or InnerContours if (0066,000D) == POINTS	Shall be Centerline or InnerContours if (0066,000D) == POINTS. In case of (0066,000D) == MESH it shall describe the Surface it represents

>Segmented Property Type Code Sequence	(0062,000F)	GENERATED	CONDITIONAL	ALWAYS		Shall be present if (0066,000D) == POINTS	-
>>Code Value	(0008,0100)	GENERATED	ALWAYS	ALWAYS			-
>>Coding Scheme Designator	(0008,0102)	GENERATED	ALWAYS	ALWAYS			-
>>Code Meaning	(0008,0104)	GENERATED	ALWAYS	ALWAYS			-
>Surface Processing	(0066,0009)	FIXED	ALWAYS	ALWAYS	NO		-
>Recommended Display Grayscale Value	(0062,000C)	GENERATED	ALWAYS	ALWAYS			-
>Recommended Display CIELab Value	(0062,000D)	GENERATED	ALWAYS	ALWAYS			-
>Recommended Presentation Opacity	(0066,000C)	GENERATED	ALWAYS	ALWAYS			-
>Recommended Presentation Type	(0066,000D)	GENERATED	ALWAYS	ALWAYS	SURFACE; POINTS		Shall be POINTS for Centerline or Contours and SURFACE for other cases
>Finite Volume	(0066,000E)	GENERATED	ALWAYS	ALWAYS	UNKNOWN		-
>Manifold	(0066,0010)	GENERATED	ALWAYS	ALWAYS			-
>Surface Points Sequence	(0066,0011)	GENERATED	ALWAYS	ALWAYS			-
>>Number of Surface Points	(0066,0015)	GENERATED	ALWAYS	ALWAYS			-
>>Point Coordinates Data	(0066,0016)	GENERATED	ALWAYS	ALWAYS			-
>Surface Points Normals Sequence	(0066,0012)	GENERATED	ALWAYS	CONDITIONAL		Shall be populated when (0066,000D) == SURFACE	-
>>Number of Vectors	(0066,001E)	GENERATED	ALWAYS	ALWAYS			-
>>Vector Dimensionality	(0066,001F)	GENERATED	ALWAYS	ALWAYS			-

>>Vector Coordinate Data	(0066,0021)	GENERATED	ALWAYS	ALWAYS			-
>Surface Mesh Primitives Sequence	(0066,0013)	GENERATED	ALWAYS	ALWAYS			In case of Centerline the content item will be having empty attributes only, this to comply with Type 1 and 2 requirements.
>>Long Vertex Point Index List	(0066,0043)	GENERATED	ALWAYS	EMPTY			Attribute will not be used
>>Long Edge Point Index List	(0066,0042)	GENERATED	ALWAYS	EMPTY			Attribute will not be used
>>Long Triangle Point Index List	(0066,0041)	GENERATED	ALWAYS	CONDITIONAL		Shall be present when (0066,000D) == SURFACE	-
>>Triangle Strip Sequence	(0066,0026)	GENERATED	ALWAYS	EMPTY			Attribute will not be used
>>>Long Primitive Point Index List	(0066,0040)	GENERATED	ALWAYS	ALWAYS			-
>>Triangle Fan Sequence	(0066,0027)	GENERATED	ALWAYS	EMPTY			Attribute will not be used
>>>Long Primitive Point Index List	(0066,0040)	GENERATED	ALWAYS	ALWAYS			-
>>Line Sequence	(0066,0028)	GENERATED	ALWAYS	CONDITIONAL		Shall be populated when (0066,0004) == InnerContours	-
>>>Long Primitive Point Index List	(0066,0040)	GENERATED	ALWAYS	ALWAYS			-

>>Facet Sequence	(0066,0034)	GENERATED	ALWAYS	EMPTY			Attribute will not be used
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Table Common Instance Reference Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Referenced Series Sequence	(0008,1115)	GENERATED	ALWAYS	ALWAYS			-
>Series Instance UID	(0020,000E)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Referenced Instance Sequence	(0008,114A)	GENERATED	ALWAYS	ALWAYS			-
>>Referenced SOP Class UID	(0008,1150)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>>Referenced SOP Instance UID	(0008,1155)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

[A.5.2 - Functional Group Macros - N/A](#)

[A.5.3 - Private Modules - N/A](#)

[A.5.4 - Coded Values - N/A](#)

A.6 - Key Object Selection Document Storage SOP Class

Table IOD of Created Key Object Selection Document Storage SOP Class Instances

IE	Module Name	Presence(Module)	Condition	Reference
Patient	Patient	ALWAYS		Patient Module
Study	General Study	ALWAYS		General Study Module
	Patient Study	CONDITIONAL	IF PRESENT IN THE SOURCE DATA	Patient Study Module
Series	Key Object Document Series	ALWAYS		Key Object Document Series Module
Equipment	General Equipment	ALWAYS		General Equipment Module
SR Document	Key Object Document	ALWAYS		Key Object Document Module
	SR Document Content	ALWAYS		SR Document Content Module
	SOP Common	ALWAYS		SOP Common Module

A.6.1 - IOD Specific Modules

Table Key Object Document Series Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Series Instance UID	(0020,000E)	GENERATED	ALWAYS	ALWAYS			-
Modality	(0008,0060)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Series Number	(0020,0011)	GENERATED	ALWAYS	CONDITIONAL			-
Referenced Performed Procedure Step Sequence	(0008,1111)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Table Key Object Document Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Content Time	(0008,0033)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Content Date	(0008,0023)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Instance Number	(0020,0013)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Current Requested Procedure Evidence Sequence	(0040,A375)	GENERATED SRC_INSTANCE	ALWAYS	ALWAYS			-
>Study Instance UID	(0020,000D)	GENERATED SRC_INSTANCE	ALWAYS	ALWAYS			-
>Referenced Series Sequence	(0008,1115)	GENERATED SRC_INSTANCE	ALWAYS	ALWAYS			-
>>Series Instance UID	(0020,000E)	GENERATED SRC_INSTANCE	ALWAYS	ALWAYS			-
>>Referenced SOP Sequence	(0008,1199)	GENERATED SRC_INSTANCE	ALWAYS	ALWAYS			-
>>>Referenced SOP Class UID	(0008,1150)	GENERATED SRC_INSTANCE	ALWAYS	ALWAYS			-
>>>Referenced SOP Instance UID	(0008,1155)	GENERATED SRC_INSTANCE	ALWAYS	ALWAYS			-

Table SR Document Content Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Referenced SOP Sequence	(0008,1199)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Observation DateTime	(0040,A032)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Value Type	(0040,A040)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Concept Name Code Sequence	(0040,A043)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Code Value	(0008,0100)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Coding Scheme Designator	(0008,0102)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Code Meaning	(0008,0104)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Continuity Of Content	(0040,A050)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Temporal Range Type	(0040,A130)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Concept Code Sequence	(0040,A168)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Measured Value Sequence	(0040,A300)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Content Template Sequence	(0040,A504)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Mapping Resource	(0008,0105)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Template Identifier	(0040,DB00)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Content Sequence	(0040,A730)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Referenced SOP Sequence	(0008,1199)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>>Referenced SOP Class UID	(0008,1150)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>>Referenced SOP Instance UID	(0008,1155)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Relationship Type	(0040,A010)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Value Type	(0040,A040)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Concept Name Code Sequence	(0040,A043)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>>Code Value	(0008,0100)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>>Coding Scheme Designator	(0008,0102)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>>Code Meaning	(0008,0104)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Continuity Of Content	(0040,A050)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Temporal Range Type	(0040,A130)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Concept Code Sequence	(0040,A168)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Measured Value Sequence	(0040,A300)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Graphic Data	(0070,0022)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Graphic Type	(0070,0023)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Referenced Frame of Reference UID	(3006,0024)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

A.6.2 - Functional Group Macros - N/A

A.6.3 - Private Modules - N/A

A.6.4 - Coded Values - N/A

A.7 - Encapsulated PDF SOP Class

Table IOD of Created Encapsulated PDF SOP Class Instances

IE	Module Name	Presence(Module)	Condition	Reference
Patient	Patient	ALWAYS		Patient Module
Study	General Study	ALWAYS		General Study Module
	Patient Study	CONDITIONAL	IF PRESENT IN THE SOURCE DATA	Patient Study Module
Series	Encapsulated Document Series	ALWAYS		Encapsulated Document Series Module
Equipment	General Equipment	ALWAYS		General Equipment Module
	SC Equipment	ALWAYS		SC Equipment Module
Encapsulated Document	Encapsulated Document	ALWAYS		Encapsulated Document Module
	SOP Common	ALWAYS		SOP Common Module

A.7.1 - IOD Specific Modules

Table Encapsulated Document Series Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Modality	(0008,0060)	GENERATED	ALWAYS	ALWAYS			-
Series Description	(0008,103E)	GENERATED	CONDITIONAL	ALWAYS	Reports		Reports
Series Instance UID	(0020,000E)	GENERATED	ALWAYS	ALWAYS			-
Series Number	(0020,0011)	GENERATED	ALWAYS	ALWAYS			-
Request Attributes Sequence	(0040,0275)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Performed Procedure Step Start Date	(0040,0244)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Performed Procedure Step Start Time	(0040,0245)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Performed Procedure Step ID	(0040,0253)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Performed Procedure Step Description	(0040,0254)	GENERATED	CONDITIONAL	ALWAYS			-
Performed Protocol Code Sequence	(0040,0260)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Code Value	(0008,0100)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Coding Scheme Designator	(0008,0102)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Code Meaning	(0008,0104)	GENERATED	CONDITIONAL	ALWAYS			-
>Context Group Local Version	(0008,0107)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>Context Group Extension Flag	(0008,010B)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Table Encapsulated Document Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Content Date	(0008,0023)	GENERATED	ALWAYS	CONDITIONAL			-
Acquisition DateTime	(0008,002A)	GENERATED	ALWAYS	CONDITIONAL			-
Content Time	(0008,0033)	GENERATED	ALWAYS	CONDITIONAL			-
Instance Number	(0020,0013)	GENERATED	ALWAYS	ALWAYS			-
Burned In Annotation	(0028,0301)	GENERATED	ALWAYS	ALWAYS			-
Concept Name Code Sequence	(0040,A043)	GENERATED	ALWAYS	CONDITIONAL			-
Document Title	(0042,0010)	GENERATED	ALWAYS	CONDITIONAL			-
Encapsulated Document	(0042,0011)	GENERATED	ALWAYS	ALWAYS			-

MIME Type of Encapsulated Document	(0042,0012)	GENERATED	ALWAYS	ALWAYS	application/pdf		
Source Instance Sequence	(0042,0013)	GENERATED	CONDITIONAL	ALWAYS			
>Referenced SOP Class UID	(0008,1150)	GENERATED	ALWAYS	ALWAYS			
>Referenced SOP Instance UID	(0008,1155)	GENERATED	ALWAYS	ALWAYS			

A.7.2 - Functional Group Macros - N/A

A.7.3 - Private Modules - N/A

A.7.4 - Coded Values - N/A

A.8 - Segmentation Storage SOP Class

Table IOD of Created Segmentation Storage SOP Class Instances

IE	Module Name	Presence (Module)	Condition	Reference
Patient	Patient	ALWAYS		Patient Module
Study	General Study	ALWAYS		General Study Module
	Patient Study	CONDITIONAL	IF PRESENT IN THE SOURCE DATA	Patient Study Module
Series	General Series	ALWAYS		General Series Module
	Segmentation Series	ALWAYS		Segmentation Series Module
Equipment	General Equipment	ALWAYS		General Equipment Module
	Enhanced General Equipment	ALWAYS		Enhanced General Equipment Module
Image	General Image	ALWAYS		General Image Module
	General Reference	CONDITIONAL	IF PRESENT IN THE SOURCE DATA	General Reference Module
	Image Pixel	ALWAYS		Image Pixel Module
	Segmentation Image	ALWAYS		Segmentation Image Module
	Multi-frame Functional Groups	ALWAYS		Multi-frame Functional Groups Module

	Multi-frame Dimension	ALWAYS		Multi-frame Dimension Groups Module
	SOP Common	ALWAYS		SOP Common Module

A.8.1 - IOD Specific Modules

Table Segmentation Series Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Modality	(0008,0060)	FIXED	ALWAYS	ALWAYS	SEG		-
Series Number	(0020,0011)	GENERATED	ALWAYS	ALWAYS			-

Table Enhanced General Equipment Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Manufacturer	(0008,0070)	FIXED	ALWAYS	ALWAYS	Philips		-
Manufacturer's Model Name	(0008,1090)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Device Serial Number	(0018,1000)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Software Version(s)	(0018,1020)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Table Image Pixel Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Samples per Pixel	(0028,0002)	FIXED	ALWAYS	ALWAYS	1		-
Photometric Interpretation	(0028,0004)	FIXED	ALWAYS	ALWAYS	MONOCHROME2		-
Rows	(0028,0010)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Columns	(0028,0011)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
Bits Allocated	(0028,0100)	FIXED	ALWAYS	ALWAYS	1		-

Bits Stored	(0028,0101)	FIXED	ALWAYS	ALWAYS	1		-
High Bit	(0028,0102)	FIXED	ALWAYS	ALWAYS	0		-
Pixel Representation	(0028,0103)	FIXED	ALWAYS	ALWAYS	0		-
Pixel Data	(7FE0,0010)	GENERATED	ALWAYS	ALWAYS			-

Table Segmentation Image Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Image Type	(0008,0008)	FIXED	ALWAYS	ALWAYS	DERIVED\PRIMARY		-
Instance Number	(0020,0013)	FIXED	ALWAYS	ALWAYS	1		-
Samples per Pixel	(0028,0002)	FIXED	ALWAYS	ALWAYS	1		-
Photometric Interpretation	(0028,0004)	FIXED	ALWAYS	ALWAYS	MONOCHROME2		-
Bits Allocated	(0028,0100)	FIXED	ALWAYS	ALWAYS	1		-
Bits Stored	(0028,0101)	FIXED	ALWAYS	ALWAYS	1		-
High Bit	(0028,0102)	FIXED	ALWAYS	ALWAYS	0		-
Pixel Representation	(0028,0103)	FIXED	ALWAYS	ALWAYS	0		-
Lossy Image Compression	(0028,2110)	GENERATED	ALWAYS	ALWAYS			-
Segmentation Type	(0062,0001)	FIXED	ALWAYS	ALWAYS	BINARY		-
Segment Sequence	(0062,0002)	GENERATED	ALWAYS	ALWAYS			-
>Segmented Property Category Code Sequence	(0062,0003)	GENERATED	ALWAYS	ALWAYS			-
>>Code Value	(0008,0100)	GENERATED	ALWAYS	ALWAYS			-
>>Code Meaning	(0008,0104)	GENERATED	ALWAYS	ALWAYS			-
>>Coding Scheme Designator	(0008,0102)	GENERATED	ALWAYS	ALWAYS			-
>Segment Number	(0062,0004)	GENERATED	ALWAYS	ALWAYS			-
>Segment Label	(0062,0005)	GENERATED	ALWAYS	ALWAYS			-

>Segment Algorithm Type	(0062,0008)	GENERATED	ALWAYS	ALWAYS			-
>Segmented Property Type Code Sequence	(0062,000F)	GENERATED	ALWAYS	ALWAYS			-
>>Code Value	(0008,0100)	GENERATED	ALWAYS	ALWAYS			-
>>Code Meaning	(0008,0104)	GENERATED	ALWAYS	ALWAYS			-
>>Coding Scheme Designator	(0008,0102)	GENERATED	ALWAYS	ALWAYS			-
Content Label	(0070,0080)	GENERATED	ALWAYS	ALWAYS			-
Content Description	(0070,0081)	GENERATED	ALWAYS	CONDITIONAL			-

Table Multi-frame Functional Groups Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Content Date	(0008,0023)	GENERATED	ALWAYS	ALWAYS			-
Content Time	(0008,0033)	GENERATED	ALWAYS	ALWAYS			-
Instance Number	(0020,0013)	FIXED	ALWAYS	ALWAYS	1		-
Number of Frames	(0028,0008)	GENERATED	ALWAYS	ALWAYS			-
Shared Functional Groups Sequence	(5200,9229)	GENERATED	ALWAYS	ALWAYS			See chapter A.20 Functional Group Macros
Per-Frame Functional Group Sequence	(5200,9230)	GENERATED	ALWAYS	ALWAYS			See chapter A.20 Functional Group Macros

Table Multi-frame Dimension Module

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
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Dimension Organization Sequence	(0020,9221)	GENERATED	ALWAYS	ALWAYS			-
> Dimension Organization UID	(0020,9164)	GENERATED	ALWAYS	ALWAYS			-
Dimension Index Sequence	(0020,9222)	GENERATED	ALWAYS	ALWAYS			-
>Dimension Organization UID	(0020,9164)	GENERATED	ALWAYS	ALWAYS			-
>Dimension Index Pointer	(0020,9165)	FIXED	ALWAYS	ALWAYS	0062000B 00200032		-
>Functional Group Pointer	(0020,9167)	FIXED	ALWAYS	ALWAYS	0062000A 00200032		-
>Dimension Description Label	(0020,9421)	FIXED	ALWAYS	ALWAYS	DicomReferencedSegmentNumber DicomImagePositionPatient		-
>Dimension Organization UID	(0020,9164)	GENERATED	ALWAYS	ALWAYS			-

A.8.2 - Functional Group Macros

Table Pixel Measures Functional Group Macro

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
> Pixel Measures Sequence	(0028,9110)	GENERATED	ALWAYS	ALWAYS			-
>>Slice Thickness	(0018,0050)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>>Spacing Between Slices	(0018,0088)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>>Pixel Spacing	(0028,0030)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Table Plane Position (Patient) Functional Group Macro

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
>Plane Position Sequence	(0020,9113)	GENERATED	ALWAYS	ALWAYS			-
>>Image Position (Patient)	(0020,0032)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Table Plane Orientation (Patient) Functional Group Macro

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
Plane Orientation Sequence	(0020,9116)	GENERATED	ALWAYS	ALWAYS			-
>Image Orientation (Patient)	(0020,0037)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-

Table Derivation Image Functional Group Macro

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
>Derivation Image Sequence	(0008,9124)	GENERATED	ALWAYS	ALWAYS			Only present in Per-frame Functional group sequence
>>Source Image Sequence	(0008,2112)	GENERATED	ALWAYS	ALWAYS			-
>>>Referenced SOP Class UID	(0008,1150)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>>>Referenced SOP Instance UID	(0008,1155)	SRC_INSTANCE	SRC_COPY	SRC_COPY			-
>>>Purpose of Reference Code Sequence	(0040,A170)	GENERATED	ALWAYS	ALWAYS			-
>>>>Code Value	(0008,0100)	FIXED	ALWAYS	ALWAYS	121322		-
>>>>Coding Scheme Designator	(0008,0102)	FIXED	ALWAYS	ALWAYS	DCM		-

>>>>Code Meaning	(0008,0104)	FIXED	ALWAYS	ALWAYS	Source image for image processing operations		-
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Table Frame Content Functional Group Macro

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
>Frame Content Sequence	(0020,9111)	GENERATED	ALWAYS	ALWAYS			Only present in Per-frame Functional group sequence
>>Dimension Index Values	(0020,9157)	GENERATED	ALWAYS	ALWAYS			-

Table Segmentation Functional Group Macro

Attribute Name	Tag	Source	Presence of Attribute	Presence of Value	Value	Conditions	Comments
>Segment Identification Sequence	(0062,000A)	GENERATED	ALWAYS	ALWAYS			-
>>Referenced Segment Number	(0062,000B)	GENERATED	ALWAYS	ALWAYS			-

[A.8.3 - Private Modules - N/A](#)

[A.8.4 - Coded Values - N/A](#)

B Structured Report Content Encoding

B.1 Key Object Selection SR (TID 2010)

Table B-1 shows the encoding of content of a DICOM Key Object Selection SR (TID 2010).

Table B-1: Key Object Selection SR (TID 2010)

NL	Rel with Parent	VT	Concept Name	Source	Presence of Content Item	Values	TID	Comments
		CONTAINER	DCID 7010 "Key Object Selection Document Title"	USER	ALWAYS	See table B-2	2010	
>	CONTAINS	TEXT	(113012, DCM, "Key Object Description")	USER	ALWAYS		2010	
>>	CONTAINS	IMAGE		GENERATED	ALWAYS		2010	

B.1.1 Code sets

Table B-2: Key Object Selection SR – Document Title Codes

Coding Scheme Designator	Code Value	Code Meaning
DCM	113000	Of Interest
DCM	113004	For teaching
DCM	113003	For Surgery
DCM	113020	For Report
DCM	113008	For Collaboration

Coding Scheme Designator	Code Value	Code Meaning
DCM	113005	For Conference
DCM	113007	For Patient
DCM	113006	For Therapy
DCM	113002	For Referring Physician
DCM	113009	For Research

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