

iCAD, Inc.

PowerLook® DICOM Conformance Statement

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This software uses the DICOM software development kit (DCMTK) from OFFIS e.V. Oldenburg. (See http://dicom.offis.de/software.php.en)

iCAD, Inc. 98 Spit Brook Road, Suite 100 Nashua, NH 03062 www.icadmed.com

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1 Introduction

1.1 Scope and Field of Application

PowerLook will use the DICOM 3.0 protocol standard to support the connectivity. It is assumed that the reader is familiar with the terminology and concepts that are used in the DICOM 3.0 standard. Readers not familiar with DICOM 3.0 terminology should first read the appropriate parts of the DICOM standard itself, prior to reading this conformance statement. Although the use of this conformance statement in conjunction with the DICOM 3.0 standard is intended to facilitate communication with other DICOM systems, it is not sufficient to guarantee, by itself, the inter-operation of the connection.

PowerLook is a system that receives digital mammographic images as a Service Class Provider (SCP) then runs algorithms on the images to provide computer aided detection (CAD) results and exports the CAD results as a Service Class User (SCU) of the Storage Service Class. The system also serves as an SCP and SCU of the Verification Service Class.

1.2 Quick Summary

SOP Class	SOP Class UID	SCU	SCP	Comments
Digital Mammography X-Ray – For Processing	1.2.840.10008.5.1.4.1.1.1.2.1	Yes	Yes	Receives images for CAD processing. Can forward image with or without DICOM 6000 Overlay
Digital Mammography X-Ray – For Presentation	1.2.840.10008.5.1.4.1.1.1.2	Yes	Yes	Can forward image with or without DICOM 6000 Overlay
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7	Yes	Yes	Passively receives images or sends Density Assessment information or license notification
Mammography CAD Structured Report (MSR)	1.2.840.10008.5.1.4.1.1.88.50	Yes	No	Preferred method for transmitting 2D or 3D CAD results
Radiotherapy Structure Set (RTSS)	1.2.840.10008.5.1.4.1.1.481.3	Yes	No	Proprietary method (GE only) of sending 2D CAD results
Grayscale Softcopy Presentation State (GSPS)	1.2.840.10008.5.1.4.1.1.11.1	Yes	No	Sends 2D CAD results in GSPS file, which is not optimal.
Storage Commitment	1.2.840.10008.1.20.1	Yes	No	Can send a storage commit message for every CAD output.
Verification	1.2.840.10008.1.1	Yes	Yes	Used for connectivity testing.
Encapsulated PDF Storage	1.2.840.10008.5.1.4.1.1.104.1	Yes	No	Sends 2D CAD results in PDF (Portable Document Format) format.
Breast Tomosynthesis Image Storage	1.2.840.10008.5.1.4.1.1.13.1.3	Yes	Yes	Can receive and forward object.

1.3 Acronyms

The following acronyms and abbreviations are used in this document.

• AE Application Entity

ACR American College of Radiology
 ANSI American National Standards Institute
 BI-RADS Breast Imaging Reporting and Data System

CAD Computer Aided Detection
 DCMTK OFFIS DICOM Toolkit

• DICOM Digital Imaging and Communications in Medicine

FSE Field Service Engineer
 GUI Graphical User Interface
 HIS Hospital Information System
 IOD Information Object Definition

NEMA National Electrical Manufacturers Association
 PACS Picture Archiving and Communications System

PDU Protocol Data Unit

RIS Radiological Information System

SCP Service Class Provider
 SCU Service Class User
 SOP Service Object Pair
 SR Structured Report

TCP/IP Transmission Control Protocol/Internet Protocol

UID Unique IdentifierVR Value Representation

Furthermore, all symbols, abbreviations, and definitions used herein are described in the Digital Imaging and Communications in Medicine (DICOM) standard, parts 1 through 20 (NEMA PS 3.1-20).

1.4 Related Documentation

 NEMA PS3 / ISO 12052, Digital Imaging and Communications in Medicine (DICOM) Standard, National Electrical Manufacturers Association, Rosslyn, VA, USA (available free at http://medical.nema.org/)

1.5 Considerations

The following issues need to be considered:

- The integration of any device into a system of interconnected devices goes beyond the scope of the DICOM 3.0 standard and this conformance statement when interoperability is required. The responsibility for analyzing the systems requirements and developing a solution that integrates the PowerLook system with other vendors' systems is the user's responsibility and should not be underestimated.
- Testing the complete range of possibilities between the PowerLook system and non- PowerLook devices, before the connection is declared operational, is considered to be a necessity. The user should ensure that any non-PowerLook equipment provider accepts full responsibility for all validation required for their connection with the PowerLook system. The accuracy of image data once it has crossed the interface between the PowerLook equipment and the non-PowerLook device as well as the stability of the image data for the intended applications is the responsibility of the non- PowerLook provider.

• As the DICOM 3.0 standard evolves to meet the user's growing requirements and to incorporate new features and technologies, PowerLook developers will follow the evolution of the standard. This evolution of the standard may require changes to devices that have implemented DICOM 3.0. The user should ensure that any non-PowerLook provider, who connects with PowerLook devices, also plans future evolution of the DICOM standard. A refusal to do so may reflect in the loss of functionality and/or connectivity between the different products.

2 Implementation Model

The PowerLook system is a computer-aided detection (CAD) system for mammography designed to assist the radiologist in breast cancer detection. Using cognitive systems technology, the system detects potential microcalcifications and masses, literally providing the radiologist with a "second opinion". The PowerLook system's advanced pattern recognition and image analysis is intended to aid in early breast cancer detection. The PowerLook system is designed for all primary communication to occur through DICOM. A remotely accessible GUI shall be provided to the Field Service / Administrator to assist in simple configuration and diagnostics.

A client wishing to initiate processing on an image shall send the PowerLook system a CAD request via DICOM. After each image is received, CAD processing will be initiated. Once the end of a case is determined, the PowerLook system will complete any remaining image-based processing for the case and perform case-based processing. Once the case-based processing is finished, if licensed, PowerLook can also perform breast density assessment processing. Finally, the system will send the CAD results in a DICOM message to the designated recipient.

In clinical practice, the CAD results are only used by the radiologist after the completion of the initial review of the mammography images. The radiologist then views the CAD results and takes a "SecondLook" at the image in the locations of any areas of potential concern detected by the PowerLook system. Finally, the radiologist decides whether or not true areas of concern are present at these locations. If so, the radiologist guides any additional work-up that is indicated. Note that the CAD results and breast density assessments are not to be used to override a decision by the radiologist to further evaluate an area of concern initially detected without the assistance of the PowerLook system. Therefore, the CAD results and breast density assessments can assist a radiologist in detecting areas of concern that would have been missed without its use, but it cannot cause a radiologist to miss areas of concern that would have been detected without the PowerLook system.

2.1 Application Data Flow Diagram

The PowerLook system acts as a single Application Entity based on the DICOM protocol standard. The system can act as a DICOM Storage Service Class Providers (SCP) by receiving DICOM Digital Mammography X-Ray Images, DICOM Secondary Capture images, DICOM Breast Tomosynthesis objects and DICOM Verification messages. The PowerLook system can also act as a DICOM Storage Service Class User (SCU) by initiating associations to send CAD results in the form of a Mammography CAD Structured Report, a Radiotherapy Structure Set (RTSS) object, a Grayscale Softcopy Presentation State (GSPS) object, a Digital Mammography X-Ray "FOR PRESENTATION" image with the CAD detections applied to the overlay, an Encapsulated PDF object, or a Secondary Capture object. Once the CAD output has been sent, the PowerLook system can send a DICOM Storage Commitment message to mark the CAD output for long-term storage on the remote device. Furthermore, the PowerLook system can also initiate DICOM Verification requests to DICOM Storage Service Class Providers (SCP) for testing communications between systems. The data flow diagram can be seen in Figure 2-1.

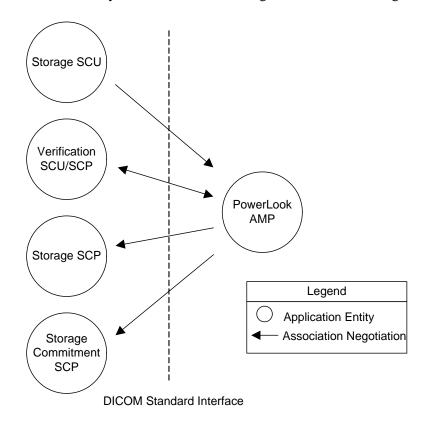


Figure 2-1 - Implementation Model

2.2 Functional Definition of Application Entities

PowerLook acts as a Service Class Provider (SCP) for the purpose of receiving DICOM Digital Mammography X-Ray images, DICOM Secondary Capture images, DICOM Breast Tomosynthesis objects and DICOM Verification messages. The PowerLook system acts as a Service Class User (SCU) by sending out the CAD results in the form of a Mammography CAD Structured Report, a Radiotherapy Structure Set (RTSS) object, a Grayscale Softcopy Presentation State (GSPS) object, a Digital Mammography X-Ray image with the CAD detections applied to the overlay, an encapsulated PDF

object, or a Secondary Capture object, each of which can be followed by sending a DICOM Storage Commitment message to mark the CAD output on the remote device for long-term storage. Furthermore, the PowerLook system acts as an SCU by initiating the DICOM Verification message for testing communications between devices.

3 AE Specifications

3.1 SCP Services

The following sections define the services used by PowerLook as an SCP.

3.1.1 SCP Application Entity

PowerLook provides SCP standard conformance to the DICOM 3.0 SOP Classes that are defined in Table 1.

SOP Class	SOP Class UID
Digital Mammography X-Ray – For Processing	1.2.840.10008.5.1.4.1.1.1.2.1
Digital Mammography X-Ray – For Presentation	1.2.840.10008.5.1.4.1.1.1.2
Secondary Capture Image Storage	1.2.840.10008.5.1.4.1.1.7
Verification	1.2.840.10008.1.1
Breast Tomosynthesis Image Storage	1.2.840.10008.5.1.4.1.1.13.1.3

Table 1 - SCP SOP Class Conformance

3.2 SCU Services

The following sections define the services used by PowerLook as an SCU.

3.2.1 SCU Application Entity

PowerLook provides SCU standard conformance to the DICOM 3.0 SOP Classes that are defined in Table 2.

SOP Class	SOP Class UID
Mammography CAD Structured Report	1.2.840.10008.5.1.4.1.1.88.50
Radiotherapy Structure Set (RTSS)	1.2.840.10008.5.1.4.1.1.481.3
Grayscale Softcopy Presentation State (GSPS)	1.2.840.10008.5.1.4.1.1.11.1
Digital Mammography X-Ray – For Presentation	1.2.840.10008.5.1.4.1.1.1.2
Digital Mammography X-Ray – For Processing	1.2.840.10008.5.1.4.1.1.2.1
Storage Commitment	1.2.840.10008.1.20.1
Verification	1.2.840.10008.1.1
Encapsulated PDF Storage	1.2.840.10008.5.1.4.1.1.104.1
Secondary Capture	1.2.840.10008.5.1.4.1.1.7
Breast Tomosynthesis Image Storage	1.2.840.10008.5.1.4.1.1.13.1.3

Table 2 - SCU SOP Class Conformance

3.3 Association Establishment Policies

3.3.1 General

PowerLook contains no limitations for maximum PDU size. Default maximum PDU size is set to 16384 bytes, but can be modified in a configuration file for each application.

3.3.2 Number of Associations

PowerLook will issue only one association request at a time to a Remote AE and can support at least four associations at a time from a Remote AE.

3.3.3 Asynchronous Nature

PowerLook allows a single outstanding operation on any association. Therefore, PowerLook does not support asynchronous operations window negotiation, other than the default as specified by the DICOM specification.

3.3.4 Implementation Identifying Information

PowerLook will respond with the following implementation identifying parameters by default:

- □ Implementation Class UID 1.2.840.114191.4
- ☐ Implementation Version Name ICAD_PLA_362

The Implementation Class UID is derived from the DICOM Standard PS 3.5 -2018, Annex B & Annex C, where the number 114191 is the unique identifier given to iCAD, Inc. by ANSI. The implementation version name is an abbreviation for iCAD PowerLook and the DICOM toolkit version.

3.3.5 Network Configuration

The Field Service Engineer sets the Application Entity title, IP Address, and port number for PowerLook through the provided Graphical User Interface (GUI). The Field Service Engineer also sets the Application Entity title, IP Address, and port number for any remote devices that want to communicate with PowerLook through the same GUI.

3.3.6 Association Initiation by Real World Activity

PowerLook will issue a new association with a remote device when CAD results, storage commitment, and verification messages are to be transmitted.

3.3.6.1 Verify Communication with a Remote System

3.3.6.2 Associated Real World Activity - Verification

PowerLook can issue a Verification request to any of the configured remote devices through the Field Service Engineer's Graphical User Interface. PowerLook will respond to any Verification request as long as the PowerLook service is started.

3.3.6.3 Presentation Context Table - Verification

PowerLook supports the transfer syntaxes listed in Table 3. For a Verification request, PowerLook will propose the Presentation Contexts listed in Table 4.

Table 3 – Verification Transfer Syntaxes

Transfer Syntaxes	UID
DICOM Implicit VR Little Endian	1.2.840.10008.1.2

Table 4 – Verification SOP Class

Abstra	nct Syntax	Transfer Syntax	Role	Extended
SOP Class	SOP Class UID			Negotiation
Verification	1.2.840.10008.1.1	Declared in Table 3	SCU/SCP	None

3.3.6.4 SOP Specific Conformance – Verification

The response codes for the DICOM Verification message are displayed in Table 5. If there was an error in creating the Verification response, no response shall be sent.

Table 5 - Verification Response Codes

Service Status	Further Meaning	Protocol Codes	Related Fields	Description
Success	Success	0000	None	Operation performed
				properly

3.3.6.5 Receive Images from a Remote System

3.3.6.6 Associated Real World Activity – Receive

PowerLook will receive images from remote devices that wish to have CAD process the patient case.

3.3.6.7 Presentation Context Table – Receive

PowerLook supports the transfer syntaxes listed in Table 6. When sending CAD output, PowerLook will propose the Presentation Contexts listed in Table 7.

Table 6 - Receive Image Transfer Syntaxes

Transfer Syntaxes	UID
DICOM Implicit VR Little Endian	1.2.840.10008.1.2
DICOM Explicit Little Endian	1.2.840.10008.1.2.1
DICOM Explicit Big Endian	1.2.840.10008.1.2.2
DICOM JPEG Lossless Hier 14	1.2.840.10008.1.2.4.70
DICOM JPEG 2000 Image	1.2.840.10008.1.2.4.90
Compression (Lossless Only)	

Table 7 – Presentation Contexts for Receive from Remote Systems

Abst	Abstract Syntax			Extended
SOP Class	SOP Class UID			Negotiation
Digital Mammography X-	1.2.840.10008.5.1.4.1.1.2.1	Declared in Table 6	SCP	None
Ray – For Processing				
Digital Mammography X-	1.2.840.10008.5.1.4.1.1.1.2	Declared in Table 6	SCP	None
Ray – For Presentation				
Secondary Capture Image	1.2.840.10008.5.1.4.1.1.7	Declared in Table 6	SCP	None
Storage				
Breast Tomosynthesis	1.2.840.10008.5.1.4.1.1.13.1.3	Declared in Table 6	SCP	None
Image Storage				

3.3.6.8 SOP Specific Conformance – Receive

Success

A900

0110

0000

The PowerLook SCP conforms to the SOP's of the Storage Service Class at Level 2 (Full) as described in Section B.4.1 of PS 3.4 -2018 of the DICOM Standard. PowerLook will receive Digital Mammography X-Ray – For Processing images, Digital Mammography X-Ray – For Presentation images, and Secondary Capture images. Note that PowerLook has the ability to receive the Digital Mammography X-Ray – For Presentation images, but will not process these images with its CAD algorithms. If the corresponding "For Processing" images are sent with the "For Presentation" images, then a CAD overlay can be applied to the "For Presentation" image and be sent to any remote device. The status codes shown in Table 8 may be sent back to the Remote SCU after the SCU tries to open an association with the PowerLook system.

Explanation Status Code Service Status Meaning Invalid Dataset Refused The image data that was received was invalid. Processing Failure An internal system error occurred when receiving the Error image and storing it to disk. Indicates that an association was successfully

queued for processing.

established and an image was successfully stored and

Table 8 – C-Store Response Status Codes

The status codes shown in Table 9 may be sent back to the Remote SCU after the SCU tries to open an association with the PowerLook system and the association gets rejected.

Success

Description of Rejection	PDU Byte 8 - Result	PDU Byte 9 - Source	PDU Byte 10 - Reason
Not enough disk space	2 - Transient Rejection	3 - UL service provider	2 - Local limit exceeded
Not a configured remote	1 – Permanent Rejection	1 - UL service user	3 - Unacceptable Calling
device			AP
Exceeded allowed	2 - Transient Rejection	3 - UL service provider	1 - Temporary congestion
simultaneous connections			
Unknown error in	2 - Transient Rejection	1 - UL service user	1 - Temporary congestion
handling association			

Table 9 - Reject Association Response Status Codes

The Digital Mammography X-Ray Information Object Definition (IOD) modules are defined in Table 10.

Table 10 – Digital Mammography X-Ray Image IOD Modules

IE	Module	DICOM Reference	Document Reference	Usage
Patient	Patient	PS 3.3 –2018 C.7.1.1	Table 11	M
	Specimen	PS 3.3 –2018 C.7.1.2	Not used	U
	Identification			
	Clinical Trial Subject	PS 3.3 –2018 C.7.1.3	Not used	U
Study	General Study	PS 3.3 – 2018 C.7.2.1	Table 12	M
	Patient Study	PS 3.3 – 2018 C.7.2.2	Not used	U
	Clinical Trial Study	PS 3.3 – 2018 C.7.2.3	Not used	U
Series	General Series	PS 3.3 – 2018 C.7.3.1	Table 13	M
	Clinical Trial Series	PS 3.3 – 2018 C.7.3.2	Not used	U
	DX Series	PS 3.3 – 2018 C.8.11.1	Table 14	M
	Mammography	PS 3.3 – 2018 C.8.11.6	Table 15	M
	Series			
	Frame of Reference	PS 3.3 – 2018 C.7.4.1	Not Used	C
Equipment	General Equipment	PS 3.3 – 2018 C.7.5.1	Table 16	M
Image	General Image	PS 3.3 – 2018 C.7.6.1	Table 17	M
•	Image Pixel	PS 3.3 – 2018 C.7.6.3	Table 18	M
	Contrast/Bolus	PS 3.3 – 2018 C.7.6.4	Not used	U
	Display Shutter	PS 3.3 – 2018 C.7.6.11	Not used	U
	Device	PS 3.3 – 2018 C.7.6.12	Not used	U
	Intervention	PS 3.3 – 2018 C.7.6.13	Not used	U
	DX Anatomy Imaged	PS 3.3 – 2018 C.8.11.2	Table 19	M
	DX Image	PS 3.3 – 2018 C.8.11.3	Table 20	M
	DX Detector	PS 3.3 – 2018 C.8.11.4	Table 21	M
	X-Ray Collimator	PS 3.3 – 2018 C.8.7.3	Not used	U
	DX Positioning	PS 3.3 – 2018 C.8.11.5	Not used	U
	X-Ray Tomo	PS 3.3 – 2018 C.8.7.7	Not used	U
	Acquisition			
	X-Ray Acquisition	PS 3.3 – 2018 C.8.7.8	Not used	U
	Dose			
	X-Ray Generation	PS 3.3 – 2018 C.8.7.9	Not used	U
	X-Ray Filtration	PS 3.3 – 2018 C.8.7.10	Not used	U
	X-Ray Grid	PS 3.3 – 2018 C.8.7.11	Not used	U
	Mammography	PS 3.3 – 2018 C.8.11.7	Table 22	M
	Image			
	Overlay Plane	PS 3.3 – 2018 C.9.2	Can remove Overlay Plane if	С
			configured to do so.	
	VOI LUT	PS 3.3 – 2018 C.11.2	Not used because PowerLook does not	
			process FOR PRESENTATIO	N
			images.	
	Image Histogram	PS 3.3 – 2018 C.11.5	Not used	U
	Acquisition Context	PS 3.3 – 2018 C.7.6.14	Table 25	M
	SOP Common	PS 3.3 – 2018 C.12.1	Table 26	M

Table 11 - Patient Module Attributes - mandatory - ref. PS 3.3 - 2018 C.7.1.1

Group and Element	VR	Type	Description	Value
(0010,0010)	PN	2	Patient's Name	Patient's full name obtained from the image
				header.
(0010,0020)	LO	2	Patient ID	Primary hospital identification number or
				code for the patient obtained from the image
				header.
(0010,0030)	DA	2	Patient's Birth Date	Birth date of the patient obtained from the
				image header.
(0010,0040)	CS	2	Patient's Sex	Sex of the named patient obtained from the
				image header.
				Enumerated Values:
				M = male
				F = female
				O = other
(0008,1120)	SQ	3	Referenced Patient Sequence	Not used
>(0008,1150)	UI	1C	Referenced SOP Class UID	Not used
>(0008,1155)	UI	1C	Referenced SOP Instance UID	Not used
(0010,0032)	TM	3	Patient Birth Time	Not used
(0010,1000)	LO	3	Other Patient ID	Other patient ID obtained from the image
				header
(0010,1001)	PN	3	Other Patient Names	Not used
(0010,2160)	SH	3	Ethnic Group	Not used
(0010,4000)	LT	3	Patient Comments	Not used

Table 12 - General Study Module Attributes – Mandatory - ref. PS 3.3 - 2018 C.7.2.1

Group and	VR	Type	Description	Value
Element				
(0020,000D)	UI	1	Study Instance UID	Unique identifier for the Study obtained
				from the image header.
(0008,0020)	DA	2	Study Date	The current date of the CAD processing
(0008,0030)	TM	2	Study Time	The current time of the CAD processing.
(0008,0090)	PN	2	Referring Physician's Name	Not used
(0008,0096)	SQ	3	Referring Physician	Not used
			Identification Sequence	
(0020,0010)	SH	2	Study ID	User or equipment generated Study
				identifier obtained from the image header.
(0008,0050)	SH	2	Accession Number	A RIS generated number, which identifies
				the order for the Study obtained from the
				image header.
(0008,1030)	LO	3	Study Description	Institution-generated description or
				classification of the Study (component)
				performed.
(0008, 1048)	PN	3	Physicians Of Record	Not used
(0008,1049)	SQ	3	Physician(s) of Record	Not used
			Identification Sequence	
(0008,1060)	PN	3	Name Of Physicians Reading	Not used
			Study	
(0008,1062)	SQ	3	Physician(s) Reading Study	Not used
			Identification Sequence	
(0008,1110)	SQ	3	Referenced Study Sequence	Not used

(0008,1032)	SO	3	Procedure Code Sequence	Not used
(0000,100=)	~ ~	_	11000aure Code Sequence	1100 0000

Table 13 - General Series Module Attributes—Mandatory - ref. PS 3.3 - 2018 C.7.3.1

Group and	VR	Type	Description	Value
Element	~~			1.10
(0008,0060)	CS	1	Modality	MG
(0020,000E)	UI	1	Series Instance UID	Unique identifier of the Series.
(0020,0011)	IS	2	Series Number	A number that identifies this Series.
(0020,0060)	CS	2C	Laterality	Laterality of (paired) body part examined.
				Required if the body part examined is a
				paired structure and Image Laterality
				(0020,0062) is not sent. Enumerated Values:
				R = right
(00000000000				L = left
(0008,0021)	DA	3	Series Date	Date the Series started.
(0008,0031)	TM	3	Series Time	Time the Series started.
(0008,1050)	PN	3	Performing Physician's Name	Name of the physician(s) administering the
		_		Series.
(0008,1052)	SQ	3	Performing Physician	Not used
(0.04.0.4.0.2.0.)	T 0		Identification Sequence	
(0018,1030)	LO	3	Protocol Name	Not used
(0008,103E)	LO	3	Series Description	Not used
(0008,1070)	PN	3	Operators' Name	Name(s) of the operator(s) supporting the
		_		Series.
(0008,1072)	SQ	3	Operator Identification	Not used
(000001111)	~~		Sequence	
(0008,1111)	SQ	3	Referenced Performed	Not used
(0.04.0.004.5)			Procedure Step Sequence	777.40
(0018,0015)	CS	3	Body Part Examined	BREAST
(0018,5100)	CS	2C	Patient Position	Not used
(0028,0108)	US	3	Smallest Pixel Value in Series	Not used
	or			
(0020 0100)	SS	2	T D' 1771 ' G '	N 1
(0028,0109)	US	3	Largest Pixel Value in Series	Not used
	or SS			
(0040,0275)	SQ	3	Request Attributes Sequence	Not used
(0040,0273)	SH	3	Performed Procedure Step ID	Not used Not used
(0040,0233)	DA	3	Performed Procedure Step Start	Not used Not used
(0040,0244)	DA	3	Date	Not used
(0040,0245)	TM	3	Performed Procedure Step Start	Not used
(0040,0243)	1 1/1	3	Time	Not used
(0040,0254)	LO	3	Performed Procedure Step	Not used
(0070,0237)]	Description	110t used
(0040,0260)	SQ	3	Performed Protocol Code	Not used
(0070,0200)	30]	Sequence	110t useu
(0040,0280)	ST	3	Comments on the Performed	Not used
(0070,0200)	51]	Procedure Step	110t useu
		1	1 roccdure step	

Table 14 – DX Series Module Attributes – mandatory – ref. PS 3.3 - 2018 C.8.11.1

Group and	VR	Type	Description	Value
Element				
(0008,0060)	CS	1	Modality	MG
(0008,1111)	SQ	1C	Referenced Performed	Not used
			Procedure Step Sequence	
(0008,0068)	CS	1	Presentation Intent Type	Identifies the intent of the images that are
				contained within this Series.
				Enumerated Values:
				FOR PRESENTATION
				FOR PROCESSING

Table 15 – Mammography Series Module Attributes – mandatory – ref. PS 3.3 - 2018 C.8.11.6

Group and Element	VR	Type	Description	Value
(0008,0060)	CS	1	Modality	MG

Table 16 - General Equipment Module Attributes - Mandatory - ref. PS 3.3 - 2018 C.7.5.1

Group and Element	VR	Type	Description	Value
(0008,0070)	LO	2	Manufacturer	Manufacturer of the equipment that
				produced the composite instances.
(0008,0080)	LO	3	Institution Name	Not used
(0008,0081)	ST	3	Institution Address	Not used
(0008,1010)	SH	3	Station Name	Not used
(0008,1040)	LO	3	Institutional Department Name	Not used
(0008,1090)	LO	3	Manufacturer's Model Name	Manufacturer's model name of the
				equipment that produced the composite
				instances.
(0018,1000)	LO	3	Device Serial Number	Not used
(0018,1020)	LO	3	Software Version	Not used
(0018,1050)	DS	3	Spatial Resolution	Not used
(0018,1200)	DA	3	Date of Last Calibration	Not used
(0018,1201)	TM	3	Time of Last Calibration	Not used
(0028,0120)	US	3	Pixel Padding Value	Not used

Table 17 – General Image Module Attributes – mandatory – ref. PS 3.3 - 2018 C.7.6.1

Group and Element	VR	Type	Description	Value
(0020,0013)	IS	2	Instance Number	A number that identifies this image.
(0020,0020)	CS	2C	Patient Orientation	Patient direction of the rows and columns of the image. Required if image does not require Image Orientation (Patient) (0020,0037) and Image Position (Patient) (0020,0032).
(0008,0023)	DA	2C	Content Date	The date the image pixel data creation started. Required if image is part of a series in which the images are temporally related.
(0008,0033)	TM	2C	Content Time	The time the image pixel data creation started. Required if image is part of a series in which the images are temporally related.
(8000,0008)	CS	3	Image Type	Not used
(0020,0012)	IS	3	Acquisition Number	Not used
(0008,0022)	DA	3	Acquisition Date	The date the acquisition of data that resulted in this image started.
(0008,0032)	TM	3	Acquisition Time	The time the acquisition of data that resulted in this image started
(0008,002A)	DT	3	Acquisition Datetime	Not used
(0008,1140)	SQ	3	Referenced Image Sequence	Not used
(0008,2111)	ST	3	Derivation Description	Not used
(0008,9215)	SQ	3	Derivation Code Sequence	Not used
(0008,2112)	SQ	3	Source Image Sequence	Required for DICOM 6000 Overlays
(0008,113A)	SQ	3	Referenced Waveform Sequence	Not used
(0020,1002)	IS	3	Images in Acquisition	Not used
(0020,4000)	LT	3	Image Comments	Not used
(0028,0300)	CS	3	Quality Control Image	Not used
(0028,0301)	CS	3	Burned In Annotation	Not used
(0028,2110)	CS	3	Lossy Image Compression	Not used
(0028,2112)	DS	3	Lossy Image Compression Ratio	Not used
(0088,0200)	SQ	3	Icon Image Sequence	Not used
(2050,0020)	CS	3	Presentation LUT Shape	Not used

Table 18 – Image Pixel Module Attributes – mandatory – ref. PS 3.3 - 2018 C.7.6.3

Group and Element	VR	Type	Description	Value
(0028,0002)	US	1	Samples per Pixel	Number of samples (planes) in this image.
(0028,0004)	CS	1	Photometric Interpretation	Specifies the intended interpretation of the pixel data: MONOCHROME2
(0028,0010)	US	1	Rows	Number of rows in the image.
(0028,0011)	US	1	Columns	Number of columns in the image.
(0028,0100)	US	1	Bits Allocated	Number of bits allocated for each pixel sample. Each sample shall have the same number of bits allocated.
(0028,0101)	US	1	Bits Stored	Number of bits stored for each pixel sample. Each sample shall have the same number of bits stored.
(0028,0102)	US	1	High Bit	Most significant bit for pixel sample data. Each sample shall have the same high bit.
(0028,0103)	US	1	Pixel Representation	Data representation of the pixel samples. Each sample shall have the same pixel representation. Enumerated Value: 0000H = unsigned integer.
(7FE0,0010)	OW or OB	1	Pixel Data	A data stream of the pixel samples that comprise the Image.
(0028,0006)	US	1C	Planar Configuration	Not used
(0028,0034)	IS	1C	Pixel Aspect Ratio	Not used
(0028,0106)	US or SS	3	Smallest Image Pixel Value	Not used
(0028,0107)	US or SS	3	Largest Image Pixel Value	Not used
(0028,1101)	US or SS	1C	Red Palette Color Lookup Table Descriptor	Not used
(0028,1102)	US or SS	1C	Green Palette Color Lookup Table Descriptor	Not used
(0028,1103)	US or SS	1C	Blue Palette Color Lookup Table Descriptor	Not used
(0028,1201)	OW	1C	Red Palette Color Lookup Table Data	Not used
(0028,1202)	OW	1C	Green Palette Color Lookup Table Data	Not used
(0028,1203)	OW	1C	Blue Palette Color Lookup Table Data	Not used

 $\begin{array}{c} Table\ 19-DX\ Anatomy\ Imaged\ Module\ Attributes-mandatory-ref.\ PS\ 3.3\ -\ 2018\\ C.8.11.2 \end{array}$

Group and Element	VR	Type	Description	Value
(0020,0062)	CS	1	Image Laterality	Laterality of (possibly paired) body part (as
				described in Anatomic Region Sequence
				(0008,2218)) examined.
				Enumerated Values:
				R = right
				L = left
(0008,2218)	SQ	2	Anatomic Region Sequence	Sequence that identifies the anatomic region
				of interest in this image (i.e. external
				anatomy, surface anatomy, or general region
				of the body). This anatomic region is placed
				on the table or bucky for examination.
>(0008,0100)	SH	1C	Code Value	T-04000
>(0008,0102)	SH	1C	Coding Scheme Designator	SNM3
>(0008,0104)	LO	1C	Code Meaning	BREAST
>(0008,2220)	SQ	3	Anatomic Region Modifier	Not used
			Sequence	
(0008,2228)	SQ	3	Primary Anatomic Structure	Not used
			Sequence	

Table 20 – DX Image Module Attributes – mandatory – ref. PS 3.3 - 2018 C.8.11.3

Group and Element	VR	Туре	Description	Value
(0008,0008)	CS	1	Image Type	Image identification characteristics.
(0028,0002)	US	1	Samples per Pixel	Number of samples in this image. Shall have an Enumerated Value of 1.
(0028,0004)	CS	1	Photometric Interpretation	Specifies the intended interpretation of the pixel data: MOMOCHROME2
(0028,0100)	US	1	Bits Allocated	Number of bits allocated for each pixel sample. Each sample shall have the same number of bits allocated.
(0028,0101)	US	1	Bits Stored	Number of bits stored for each pixel sample. Each sample shall have the same number of bits stored.
(0028,0102)	US	1	High Bit	Most significant bit for pixel sample data. Each sample shall have the same high bit.
(0028,0103)	US	1	Pixel Representation	Data representation of the pixel samples. Each sample shall have the same pixel representation. Enumerated Value: 0000H = unsigned integer.
(0028,1040)	CS	1	Pixel Intensity Relationship	The relationship between the Pixel sample values and the X-Ray beam intensity. Enumerated Values: LIN, LOG
(0028,1041)	SS	1	Pixel Intensity Relationship Sign	The sign of the relationship between the Pixel sample values stored in Pixel Data (7FE0,0010) and the X-Ray beam intensity.

			T	Enumerated Values
				Enumerated Values;
				1, -1
(0028,1052)	DS	1	Rescale Intercept	The value b in the relationship between
(0020,1032)	DS	1	Researc intercept	stored values (SV) in Pixel Data
				(7FE0,0010) and the output units specified
				in Rescale Type (0028,1054).
				Output units = $m*SV + b$.
				Enumerated Value: 0
(0028,1053)	DS	1	Rescale Slope	m in the equation specified by Rescale
, , , ,				Intercept (0028,1052).
				Enumerated Value: 1
(0028,1054)	LO	1	Rescale Type	Specifies the output units of Rescale Slope
				(0028,1053) and Rescale Intercept
				(0028,1052).
				Enumerated Value: US = Unspecified
(2050,0020)	CS	1	Presentation LUT Shape	Specifies an identity transformation for the
				Presentation LUT, other than to account for
				the value of Photometric Interpretation
				(0028,0004), such that the output of all
				grayscale transformations defined in the
				IOD containing this Module are defined to
				be P-Values.
				Enumerated Values:
				IDENTITY - output is in P-Values - shall be
				used if Photometric Interpretation
				(0028,0004) is MONOCHROME2.
				INVERSE - output after inversion is in
				PValues- shall be used if Photometric
				Interpretation (0028,0004) is
				MONOCHROME1.
(0028,2110)	CS	1	Lossy Image Compression	Specifies whether an Image has undergone
				lossy compression. Enumerated Value:
				00 = Image has NOT been subjected to
				lossy compression.
(0028,2112)	DS	1	Lossy Image Compression Ratio	Not used
(0008,2111)	ST	3	Derivation Description	Not used
(0018,1400)	LO	3	Acquisition Device Processing	Not used
			Description	
(0018,1401)	LO	3	Acquisition Device Processing	Not used
			Code	
(0020,0020)	CS	1	Patient Orientation	Patient direction of the rows and columns of
				the image.
(0050,0004)	CS	3	Calibration Image	Not used
(0028,0301)	CS	1	Burned In Annotation	Indicates whether or not image contains
				sufficient burned in annotation to identify
				the patient and date the image was acquired.
				Enumerated Value:
(0020 2010)	0.0	1.0	VOLUME C	NO
(0028,3010)	SQ	1C	VOI LUT Sequence	Not used because PowerLook does not
(0000 1050)	D.C.	1.0	Wr. 1 C.	process FOR PRESENTATION images.
(0028,1050)	DS	1C	Window Center	Not used

(0028,1051)	DS	1C	Window Width	Not used
(0028,1055)	LO	3	Window Center & Width	Not used
			Explanation	

Table 21 – DX Detector Module Attributes – mandatory – ref. PS 3.3 - 2018 C.8.11.4

Group and Element	VR	Type	Description	Value
(0018,7004)	CS	2	Detector Type	The type of detector used to acquire this image. Defined Terms: SCINTILLATOR = Phosphor used
(0018,7005)	CS	3	Detector Configuration	Not used
(0018,7006)	LT	3	Detector Description	Not used
(0018,7008)	LT	3	Detector Mode	Not used
(0018,700A)	SH	3	Detector ID	The ID or serial number of the detector used to acquire this image.
(0018,700C)	DA	3	Date of Last Detector Calibration	Not used
(0018,700E)	TM	3	Time of Last Detector Calibration	Not used
(0018,7010)	IS	3	Exposures on Detector Since Last Calibration	Not used
(0018,7011)	IS	3	Exposures on Detector Since Manufactured	Not used
(0018,7012)	DS	3	Detector Time Since Last Exposure	Not used
(0018,7014)	DS	3	Detector Active Time	Not used
(0018,7016)	DS	3	Detector Activation Offset From Exposure	Not used
(0018,701A)	DS	3	Detector Binning	Not used
(0018,7000)	CS	3	Detector Conditions Nominal Flag	Not used
(0018,7001)	DS	3	Detector Temperature	Not used
(0018,6000)	DS	3	Sensitivity	Not used
(0018,1147)	CS	3	Field of View Shape	Not used
(0018,1149)	IS	3	Field of View Dimension(s)	Not used
(0018,7030)	DS	1C	Field of View Origin	Not used
(0018,7032)	DS	1C	Field of View Rotation	Not used
(0018,7034)	CS	1C	Field of View Horizontal Flip	Not used
(0018,1164)	DS	1	Imager Pixel Spacing	Physical distance measured at the front plane of the detector housing between the center of each image pixel specified by a numeric pair - row spacing value (delimiter) column spacing value in mm.
(0018,7020)	DS	3	Detector Element Physical Size	Not used
(0018,7022)	DS	3	Detector Element Spacing	Not used
(0018,7024)	CS	3	Detector Active Shape	Not used
(0018,7026)	DS	3	Detector Active Dimension(s)	Not used
(0018,7028)	DS	3	Detector Active Origin	Not used

Group and Element	VR	Type	Description	Value	
(0018,1508)	CS	1	Positioner Type	MAMMOGRAPHIC	
(0018,1510)	DS	3	Positioner Primary Angle	Not used	
(0018,1511)	DS	3	Positioner Secondary Angle	Not used	
(0020,0062)	CS	1	Image Laterality	Laterality of the region examined.	
				Enumerated Values:	
				R = right	
				L = left	
				B = both (e.g. cleavage)	
(0040,0318)	CS	1	Organ Exposed	BREAST	
(0028,1300)	CS	3	Implant Present	Whether or not an implant is present.	
				Enumerated Values:	
				YES	
				NO	
(0028,1350)	CS	3	Partial View	Indicates whether this image is a partial	
				view, that is a subset of a single view of the	
				breast.	
				Enumerated Values: YES, NO	
(0028,1351)	ST	3	Partial View Description	Not used	
(0008,2218)	SQ	1	Anatomic Region Sequence	Sequence that identifies the anatomic region	
				of interest in this image.	
>(0008,0100)	SH	1C	Code Value	T-04000	
>(0008,0102)	SH	1C	Coding Scheme Designator	SNM3	
>(0008,0104)	LO	1C	Code Meaning	BREAST	
(0054,0220)	SQ	1	View Code Sequence	Sequence that describes the projection of the	
				anatomic region of interest on the image	
				receptor.	
				Only a single Item shall be permitted in this	
		ļ		sequence.	
>(0008,0100)	SH	1C	Code Value	See Table 23	
>(0008,0102)	SH	1C	Coding Scheme Designator	See Table 23	
>(0008,0104)	LO	1C	Code Meaning	See Table 23	
>(0054,0222)	SQ	2	View Modifier Code	View Modifier	
			Sequence		
				Zero or more Items may be included in this	
	_			Sequence.	
>>(0008,0100)	SH	1C	Code Value	See Table 24	
>>(0008,0102)	SH	1C	Coding Scheme Designator	See Table 24	
>>(0008,0104)	LO	1C	Code Meaning	See Table 24	

SNM3 / SRT

SRT

cranio-caudal exaggerated medially

Tissue specimen from breast

Code Value **Coding Scheme Code Meaning Designator** (0008,0102) (0008,0100)(0008,0104)SRT R-10224 medio-lateral **SRT** R-10226 medio-lateral oblique **SRT** R-10228 latero-medial SRT R-10230 latero-medial oblique **SRT** R-10242 cranio-caudal SRT R-10244 caudo-cranial (from below) SRT R-102D0 superolateral to inferomedial oblique R-102CF **SRT** exaggerated cranio-caudal SNM3 / SRT Y-X1770 / R-1024A cranio-caudal exaggerated laterally

Table 23 - View for Mammography – ref. PS 3.16 –2018 CID 4014

Table 24 - View Modifier for Mammography - ref. PS 3.16 - 2018 CID 4015

Y-X1771 / R-1024B

G-8310

Coding Scheme Designator (0008,0102)	Code Value (0008,0100)	Code Meaning (0008,0104)
SNM3	R-102D2	Cleavage
SNM3	R-102D1	Axillary Tail
SNM3	R-102D3	Rolled Lateral
SNM3	R-102D4	Rolled Medial
SNM3	R-102D5	Implant Displaced
SNM3	R-102D6	Magnification
SNM3	R-102D7	Spot Compression
SNM3	R-102C2	Tangential
SRT	R-40AB3	Nipple in profile
SRT	P2-00161	Anterior compression
SRT	R-40ABE	Infra-mammary fold
SRT	R-40AB2	Axillary tissue

Table 25 – Acquisition Context Module Attributes – ref. PS 3.3 - 2018 C.7.6.14

Group and Element	VR	Type	Description	Value
(0040,0555)	SQ	2	Acquisition Context Sequence	Zero items in this sequence
(0040,0556)	ST	3	Acquisition Context Description	Not used

Table 26 - SOP Common Module Attributes – ref. PS 3.3 - 2018 C.12.1

Group and	VR	Type	Description	Value
Element			_	
(0008,0016)	UI	1	SOP Class UID	"1.2.840.10008.5.1.4.1.1.1.2. 1", which represents FOR PROCESSING or "1.2.840.10008.5.1.4.1.1.1.2" , which represents FOR PRESENTATION
(0008,0018)	UI	1	SOP Instance UID	Uniquely identifies the SOP Instance.
(0008,0005)	CS	1C	Specific Character Set	ISO_IR 100

(0008,0012)	DA	3	Instance Creation Date	Not used
(0008,0013)	TM	3	Instance Creation Time	Not used
(0008,0014)	UI	3	Instance Creator UID	Not used
(0008,0110)	SQ	3	Coding Scheme Identification Sequence	Not used
(0008,0201)	SH	3	Timezone Offset From UTC	Not used
(0018,A001)	SQ	3	Contributing Equipment Sequence	Not used
(0020,0013)	IS	3	Instance Number	A number that identifies this
				Composite object instance.
(0100,0410)	CS	3	SOP Instance Status	Not used
(0100,0420)	DT	3	SOP Authorization Date and Time	Not used
(0100,0424)	LT	3	SOP Authorization Comment	Not used
(0100,0426)	LO	3	Authorization Equipment Certification	Not used
			Number	
(4FFE,0001)	SQ	3	MAC Parameters Sequence	Not used
(FFFA,FFFA)	SQ	1	Digital Signatures Sequence	Not used
(0400,0500)	SQ	1C	Encrypted Attributes Sequence	Not used

The Secondary Capture Image Information Object Definition (IOD) modules are defined in Table 27.

Table 27 – Secondary Capture Image IOD Modules

IE	Module	DICOM Reference	Document Reference	Usage
Patient	Patient	PS 3.3 –2018 C.7.1.1	Table 28	M
	Clinical Trial Subject	PS 3.3 –2018 C.7.1.3	Not used	U
Study	General Study	PS 3.3 – 2018 C.7.2.1	Table 29	M
	Patient Study	PS 3.3 – 2018 C.7.2.2	Not used	U
	Clinical Trial Study	PS 3.3 – 2018 C.7.2.3	Not used	U
Series	General Series	PS 3.3 – 2018 C.7.3.1	Table 30	M
	Clinical Trial Series	PS 3.3 – 2018 C.7.3.2	Not used	U
Equipment	General Equipment	PS 3.3 – 2018 C.7.5.1	Table 31	U
	SC Equipment	PS 3.3 – 2018 C.8.6.1	Table 32	M
Image	General Image	PS 3.3 – 2018 C.7.6.1	Table 33	M
	Image Pixel	PS 3.3 – 2018 C.7.6.3	Table 34	M
	SC Image	PS 3.3 – 2018 C.8.6.2	Table 35	M
	Overlay Plane	PS 3.3 – 2018 C.9.2	Not used	U
	Modality LUT	PS 3.3 – 2018 C.11.1	Not used	U
	VOI LUT	PS 3.3 – 2018 C.11.2	Not used	U
	SOP Common	PS 3.3 – 2018 C.12.1	Table 36	M

Table 28 - Patient Module Attributes - mandatory - ref. PS 3.3 - 2018 C.7.1.1

Group and Element	VR	Type	Description	Value
(0010,0010)	PN	2	Patient's Name	Patient's full name obtained from the image header.
(0010,0020)	LO	2	Patient ID	Primary hospital identification number or code for the patient obtained from the image header.
(0010,0030)	DA	2	Patient's Birth Date	Birth date of the patient obtained from the image header.
(0010,0040)	CS	2	Patient's Sex	Sex of the named patient obtained from the image header. Enumerated Values: M = male F = female

				O = other
(0008,1120)	SQ	3	Referenced Patient Sequence	Not used
(0010,0032)	TM	3	Patient Birth Time	Not used
(0010,1000)	LO	3	Other Patient ID	Not used
(0010,1001)	PN	3	Other Patient Names	Not used
(0010,2160)	SH	3	Ethnic Group	Not used
(0010,4000)	LT	3	Patient Comments	Not used

Table 29 - General Study Module Attributes - Mandatory - ref. PS 3.3 - 2018 C.7.2.1

Group and Element	VR	Type	Description	Value
(0020,000D)	UI	1	Study Instance UID	Unique identifier for the Study obtained from the image header.
(0008,0020)	DA	2	Study Date	The current date of the CAD processing
(0008,0030)	TM	2	Study Time	The current time of the CAD processing.
(0008,0090)	PN	2	Referring Physician's Name	Not used
(0008,0096)	SQ	3	Referring Physician Identification Sequence	Not used
(0020,0010)	SH	2	Study ID	User or equipment generated Study identifier obtained from the image header.
(0008,0050)	SH	2	Accession Number	A RIS generated number, which identifies the order for the Study obtained from the image header.
(0008,1030)	LO	3	Study Description	Institution-generated description or classification of the Study (component) performed.
(0008,1048)	PN	3	Physicians Of Record	Not used
(0008,1049)	SQ	3	Physician(s) of Record Identification Sequence	Not used
(0008,1060)	PN	3	Name Of Physicians Reading Study	Not used
(0008,1062)	SQ	3	Physician(s) Reading Study Identification Sequence	Not used
(0008,1110)	SQ	3	Referenced Study Sequence	Not used
(0008,1032)	UI	3	Procedure Code Sequence	Not used

Table 30 - General Series Module Attributes - Mandatory - ref. PS 3.3 - 2018 C.7.3.1

Group and Element	VR	Туре	Description	Value
(0008,0060)	CS	1	Modality	MG
(0020,000E)	UI	1	Series Instance UID	Unique identifier of the Series.
(0020,0011)	IS	2	Series Number	A number that identifies this Series.
(0020,0060)	CS	2C	Laterality	Laterality of (paired) body part examined. Required if the body part examined is a paired structure and Image Laterality (0020,0062) is not sent. Enumerated Values: R = right L = left
(0008,0021)	DA	3	Series Date	Date the Series started.
(0008,0031)	TM	3	Series Time	Time the Series started.
(0008,1050)	PN	3	Performing Physician's Name	Name of the physician(s) administering the Series.
(0008,1052)	SQ	3	Performing Physician Identification Sequence	Not used
(0018,1030)	LO	3	Protocol Name	Not used
(0008,103E)	LO	3	Series Description	Not used
(0008,1070)	PN	3	Operators' Name	Name(s) of the operator(s) supporting the Series.
(0008,1072)	SQ	3	Operator Identification Sequence	Not used
(0008,1111)	SQ	3	Referenced Performed Procedure Step Sequence	Not used
(0018,0015)	CS	3	Body Part Examined	BREAST
(0018,5100)	CS	2C	Patient Position	Not used
(0028,0108)	US or SS	3	Smallest Pixel Value in Series	Not used
(0028,0109)	US or SS	3	Largest Pixel Value in Series	Not used
(0040,0275)	SQ	3	Request Attributes Sequence	Not used
(0040,0253)	SH	3	Performed Procedure Step ID	Not used
(0040,0244)	DA	3	Performed Procedure Step Start Date	Not used
(0040,0245)	TM	3	Performed Procedure Step Start Time	Not used
(0040,0254)	LO	3	Performed Procedure Step Description	Not used
(0040,0260)	SQ	3	Performed Protocol Code Sequence	Not used
(0040,0280)	ST	3	Comments on the Performed Procedure Step	Not used

Table 31 - General Equipment Module Attributes - Mandatory - ref. PS 3.3 - 2018 C.7.5.1

Group and Element	Valu	Req.	Description	Value
Element	e Rep.	Туре		
(0008,0070)	LO	2	Manufacturer	Manufacturer of the equipment that
				produced the composite instances.
(0008,0080)	LO	3	Institution Name	Not used
(0008,0081)	ST	3	Institution Address	Not used
(0008,1010)	SH	3	Station Name	Not used
(0008,1040)	LO	3	Institutional Department Name	Not used
(0008,1090)	LO	3	Manufacturer's Model Name	Manufacturer's model name of the
				equipment that produced the composite
				instances.
(0018,1000)	LO	3	Device Serial Number	Not used
(0018,1020)	LO	3	Software Version	Not used
(0018,1050)	DS	3	Spatial Resolution	Not used
(0018,1200)	DA	3	Date of Last Calibration	Not used
(0018,1201)	TM	3	Time of Last Calibration	Not used
(0028,0120)	US	3	Pixel Padding Value	Not used

Table 32 – Secondary Capture Image Equipment Module Attributes – Mandatory - ref. PS 3.3 - 2018 C.8.6.1

Group and	VR	Type	Description	Value
Element				
(0008,0064)	CS	1	Conversion Type	DF
(0008,0060)	CS	3	Modality	RG
(0018,1010)	LO	3	Secondary Capture Device ID	User defined identification of the device that
				converted the image
(0018,1016)	LO	3	Secondary Capture Device	HOWTEK
			Manufacturer	
(0018,1018)	LO	3	Secondary Capture Device	HTK-861
			Manufacturer's Model Name	
(0018,1019)	LO	3	Secondary Capture Device	Manufacturer's designation of software
			Software Version	version of the Secondary Capture Device.
(0018,1022)	SH	3	Video Image Format Acquired	Not used
(0018,1023)	LO	3	Digital Image Format Acquired	Not used

Table 33 – General Image Module Attributes – mandatory – ref. PS 3.3 - 2018 C.7.6.1

Group and Element	VR	Туре	Description	Value
(0020,0013)	IS	2	Instance Number	A number that identifies this image.
(0020,0020)	CS	2C	Patient Orientation	Patient direction of the rows and columns of
				the image.
(0008,0023)	DA	2C	Content Date	The date the image pixel data creation
				started. Required if image is part of a series
				in which the images are temporally related.
(0008,0033)	TM	2C	Content Time	The time the image pixel data creation
				started. Required if image is part of a series
				in which the images are temporally related.
(8000,8000)	CS	3	Image Type	ORIGINAL
(0020,0012)	IS	3	Acquisition Number	Not used
(0008,0022)	DA	3	Acquisition Date	The date the acquisition of data that resulted
				in this image started.
(0008,0032)	TM	3	Acquisition Time	The time the acquisition of data that resulted
				in this image started
(0008,002A)	DT	3	Acquisition Datetime	Not used
(0008,1140)	SQ	3	Referenced Image Sequence	Not used
(0008,2111)	ST	3	Derivation Description	Not used
(0008,9215)	SQ	3	Derivation Code Sequence	Not used
(0008,2112)	SQ	3	Source Image Sequence	Not used
(0008,113A)	SQ	3	Referenced Waveform	Not used
			Sequence	
(0020,1002)	IS	3	Images in Acquisition	Not used
(0020,4000)	LT	3	Image Comments	Not used
(0028,0300)	CS	3	Quality Control Image	Not used
(0028,0301)	CS	3	Burned In Annotation	Not used
(0028,2110)	CS	3	Lossy Image Compression	Not used
(0028,2112)	DS	3	Lossy Image Compression	Not used
			Ratio	
(0088,0200)	SQ	3	Icon Image Sequence	Not used
(2050,0020)	CS	3	Presentation LUT Shape	Not used

Table 34 – Image Pixel Module – mandatory – ref. PS 3.3 - 2018 C.7.6.3

Group and Element	VR	Туре	Description	Value
(0028,0002)	US	1	Samples per Pixel	Number of samples (planes) in this image.
(0028,0004)	CS	1	Photometric Interpretation	Specifies the intended interpretation of the pixel data: MOMOCHROME2
(0028,0010)	US	1	Rows	Number of rows in the image.
(0028,0011)	US	1	Columns	Number of columns in the image.
(0028,0100)	US	1	Bits Allocated	Number of bits allocated for each pixel sample. Each sample shall have the same number of bits allocated.
(0028,0101)	US	1	Bits Stored	Number of bits stored for each pixel sample. Each sample shall have the same number of bits stored.
(0028,0102)	US	1	High Bit	Most significant bit for pixel sample data. Each sample shall have the same high bit.
(0028,0103)	US	1	Pixel Representation	Data representation of the pixel samples. Each sample shall have the same pixel representation. Enumerated Value: 0000H = unsigned integer.
(7FE0,0010)	OW or OB	1	Pixel Data	A data stream of the pixel samples that comprise the Image.
(0028,0006)	US	1C	Planar Configuration	Not used
(0028,0034)	IS	1C	Pixel Aspect Ratio	Not used
(0028,0106)	US or SS	3	Smallest Image Pixel Value	Not used
(0028,0107)	US or SS	3	Largest Image Pixel Value	Not used
(0028,1101)	US or SS	1C	Red Palette Color Lookup Table Descriptor	Not used
(0028,1102)	US or SS	1C	Green Palette Color Lookup Table Descriptor	Not used
(0028,1103)	US or SS	1C	Blue Palette Color Lookup Table Descriptor	Not used
(0028,1201)	OW	1C	Red Palette Color Lookup Table Data	Not used
(0028,1202)	OW	1C	Green Palette Color Lookup Table Data	Not used
(0028,1203)	OW	1C	Blue Palette Color Lookup Table Data	Not used

Table 35 - Secondary Capture Image Module Attributes – mandatory - ref. PS 3.3 - 2018 C.8.6.2

Group and Element	VR	Type	Description	Value
(0018,1012)	DA	3	Date Of Secondary Capture	Current date
(0018,1014)	TM	3	Time Of Secondary Capture	Current time

Table 36 - SOP Common Module Attributes – mandatory – ref. PS 3.3 - 2018 C.12.1

Group and Element	VR	Туре	Description	Value
(0008,0016)	UI	1	SOP Class UID	"1.2.840.10008.5.1.4.1.1.7"
(0008,0018)	UI	1	SOP Instance UID	Uniquely identifies the SOP Instance.
(0008,0005)	CS	1C	Specific Character Set	Not used
(0008,0012)	DA	3	Instance Creation Date	Not used
(0008,0013)	TM	3	Instance Creation Time	Not used
(0008,0014)	UI	3	Instance Creator UID	Not used
(0008,0110)	SQ	3	Coding Scheme Identification Sequence	Not used
(0008,0201)	SH	3	Timezone Offset From UTC	Not used
(0018,A001)	SQ	3	Contributing Equipment Sequence	Not used
(0020,0013)	IS	3	Instance Number	A number that identifies this Composite object instance.
(0100,0410)	CS	3	SOP Instance Status	Not used
(0100,0420)	DT	3	SOP Authorization Date and Time	Not used
(0100,0424)	LT	3	SOP Authorization Comment	Not used
(0100,0426)	LO	3	Authorization Equipment Certification Number	Not used
(4FFE,0001)	SQ	3	MAC Parameters Sequence	Not used
(FFFA,FFFA)	SQ	3	Digital Signatures Sequence	Not used
(0400,0500)	SQ	1C	Encrypted Attributes Sequence	Not used

3.3.6.9 Output of CAD Results to a Remote System

3.3.6.10 Associated Real World Activity – CAD Output

PowerLook will issue a storage request (DICOM C-STORE) when it is done processing the images for the patient case. The CAD results will be sent over a single association to the configured remote device. Only one DICOM structured report will be sent per case.

3.3.6.11 Presentation Context Table – CAD Output

PowerLook supports the transfer syntaxes listed in Table 37 and Table 38. When sending CAD output, PowerLook will propose the Presentation Contexts listed in Table 39.

Table 37 – CAD Output Transfer Syntaxes

Transfer Syntaxes	UID
DICOM Implicit VR Little Endian	1.2.840.10008.1.2
DICOM Explicit Little Endian	1.2.840.10008.1.2.1
DICOM Explicit Big Endian	1.2.840.10008.1.2.2

Table 38 – CAD Output Transfer Syntaxes with Compression

Transfer Syntaxes	UID
DICOM Implicit VR Little Endian	1.2.840.10008.1.2
DICOM Explicit Little Endian	1.2.840.10008.1.2.1
DICOM Explicit Big Endian	1.2.840.10008.1.2.2
DICOM JPEG Lossless Hier 14	1.2.840.10008.1.2.4.70
DICOM JPEG 2000 Image Compression	1.2.840.10008.1.2.4.90

Table 39 - Presentation Contexts for CAD Output to Remote Device

Ab	ostract Syntax	Transfer Syntax	Role	Extended
SOP Class	SOP Class UID			Negotiation
Mammography CAD	1.2.840.10008.5.1.4.1.1.88.50	Declared in Table	SCU	None
Structured Report		37		
Radiotherapy Structure	1.2.840.10008.5.1.4.1.1.481.3	Declared in Table	SCU	None
Set (RTSS)		37		
Grayscale Softcopy	1.2.840.10008.5.1.4.1.1.11.1	Declared in Table	SCU	None
Presentation State		37		
(GSPS)				
Digital Mammography	1.2.840.10008.5.1.4.1.1.1.2	Declared in Table	SCU	None
X-Ray – For Presentation		38		
with or without overlay				
Digital Mammography	1.2.840.10008.5.1.4.1.1.2.1	Declared in Table	SCU	None
X-Ray – For Processing		38		
with or without overlay				
Encapsulated PDF	1.2.840.10008.5.1.4.1.1.104.1	Declared in Table	SCU	None
		38		
Secondary Capture	1.2.840.10008.5.1.4.1.1.7	Declared in Table	SCU	None
		38		
Breast Tomosynthesis	1.2.840.10008.5.1.4.1.1.13.1.3	Declared in Table	SCU	None
Image		38		

3.3.6.12 SOP Specific Conformance – CAD Output

PowerLook will process each image to determine the existence of any suspicious regions. The results of this processing will be combined into a Mammography CAD Structured Report, a Radiotherapy Structure Set (RTSS) object, a Grayscale Softcopy Presentation State (GSPS) object, a Digital Mammography X-Ray image with the CAD detections applied to the overlay, an Encapsulated PDF object, or a Secondary Capture object that will be sent to the remote system.

PowerLook performs a C-STORE request of the DICOM Structured Report to the configured remote device(s) and processes the C-STORE response message according to Table 40. Note that failure to open an association to a remote device will cause the patient case to be marked as failed in the PowerLook database.

Table 40 – Structured Report C-STORE Response Codes

Service Status	Further Meaning	Protocol Codes	Description
Success	Success	0x0000	Operation performed properly. Patient case is marked as completed in the PowerLook database.
Non-Success	Any message that was not successful, such as a Refusal, Error, Failure, or Warning.	Non-Zero	Patient case is marked as failed to send Structured Report in the PowerLook database.

The type of output that is produced and the recipients of the output is configurable from the PowerLook graphical user interface. Table 41 shows the DICOM information object definition (IOD) modules that are necessary to create the DICOM Mammography CAD Structured Report.

Table 41 - Structured Report IOD Modules

IE	Module	DICOM Reference	Document Reference	Usage
Patient	Patient Module	PS 3.3 – 2018 C.7.1.1	Table 42	M
Study	General Study	PS 3.3 – 2018 C.7.2.1	Table 43	M
	Patient Study	PS 3.3 – 2018 C.7.2.2	Table 44	U
Series	SR Document Series	PS 3.3 – 2018 C.17.1	Table 45	M
Equipment	General Equipment	PS 3.3 – 2018 C.7.5.1	Table 46	M
Document	SR Document	PS 3.3 – 2018 C.17.2	Table 47	M
	General			
	SR Document	PS 3.3 – 2018 C.17.3	Table 49 for the Mammo	M
	Content		CAD SR.	
	SOP Common	PS 3.3 – 2018 C.12.1	Table 48	M

Table 42 - Patient Module Attributes - mandatory - ref. PS 3.3 - 2018 C.7.1.1

Group and Element	VR	Type	Description	Value
(0010,0010)	PN	2	Patient's Name	Patient's full name obtained from the image header.
(0010,0020)	LO	2	Patient ID	Primary hospital identification number or code for the patient obtained from the image header.
(0010,0030)	DA	2	Patient's Birth Date	Birth date of the patient obtained from the image header.
(0010,0040)	CS	2	Patient's Sex	Sex of the named patient obtained from the image header. Enumerated Values: M = male F = female O = other
(0008,1120)	SQ	3	Referenced Patient Sequence	Not used
>(0008,1150)	UI	1C	Referenced SOP Class UID	Not used
>(0008,1155)	UI	1C	Referenced SOP Instance UID	Not used
(0010,0032)	TM	3	Patient Birth Time	Not used
(0010,1000)	LO	3	Other Patient ID	Other patient ID obtained from the image header
(0010,1001)	PN	3	Other Patient Names	Not used
(0010,2160)	SH	3	Ethnic Group	Not used
(0010,4000)	LT	3	Patient Comments	Not used

Table 43 - General Study Module Attributes – Mandatory - ref. PS 3.3 - 2018 C.7.2.1

Group and Element	VR	Type	Description	Value
(0020,000D)	UI	1	Study Instance UID	Unique identifier for the Study obtained
				from the image header.
(0008,0020)	DA	2	Study Date	The current date of the CAD processing
(0008,0030)	TM	2	Study Time	The current time of the CAD processing.
(0008,0090)	PN	2	Referring Physician's Name	Not used
(0020,0010)	SH	2	Study ID	User or equipment generated Study identifier obtained from the image header.
(0008,0050)	SH	2	Accession Number	A RIS generated number, which identifies the order for the Study obtained from the image header.
(0008,1030)	LO	3	Study Description	Institution-generated description or classification of the Study (component) performed.
(0008,1048)	PN	3	Physicians Of Record	Not used
(0008,1049)	SQ	3	Physician(s) of Record Identification Sequence	Not used
(0008,1060)	PN	3	Name Of Physicians Reading Study	Not used
(0008,1062)	SQ	3	Physician(s) Reading Study Identification Sequence	Not used
(0008,1110)	SQ	3	Referenced Study Sequence	Not used
(0008,1032)	SQ	3	Procedure Code Sequence	Not used

Table 44 - Patient Study Module Attributes - Optional - ref. PS 3.3 - 2018 C.7.2.2

Group and	VR.	Type	Description	Value
Element				
(0008,1080)	LO	3	Admitting Diagnosis	Not used
			Description	
(0010,1010)	AS	3	Patient's Age	Not used
(0010,1020)	DS	3	Patient Size	Not used
(0010,1030)	DS	3	Patient Weight	Not used
(0010,2180)	SH	3	Occupation	Not used
(0010,21B0)	LT	3	Additional Patient History	Not used

Table 45 - SR Document Series Module Attributes - Mandatory - ref. PS 3.3 - 2018 C.17.1

Group and Element	VR	Type	Description	Value
(0008,0060)	CS	1	Modality Type	"SR"
(0020,000E)	UI	1	Series Instance UID	1.2.840.114191.W.XX.XX.1.2.Z.YYYY, where W = configurable number (default 3), XXXX = machine unique identifier and YYYY = timestamp Z = configurable number (default 0)
(0020,0011)	IS	1	Series Number	Configurable, with default being "1"
(0008,1111)	SQ	2	Referenced Study Component Sequence	Not used

Table 46 - General Equipment Module Attributes - Mandatory - ref. PS 3.3 - 2018 C.7.5.1

Group and Element	VR	Type	Description	Value	
(0008,0070)	LO	2	Manufacturer	"iCAD, Inc."	
(0008,0080)	LO	3	Institution Name	Uses Institution Name (0008,0080) of image by default, configurable.	
(0008,0081)	ST	3	Institution Address	Uses Institution Address (0008,0081) of image by default, configurable.	
(0008,1010)	SH	3	Station Name Unit #	Not used	
(0008,1040)	LO	3	Institutional Department Name	Not used	
(0008,1090)	LO	3	Manufacturer's Model Name	"iCAD PowerLook X.Y", where X is the major version of the software and Y is the minor version.	
(0018,1000)	LO	3	Device Serial Number	Not used	
(0018,1020)	LO	3	Software Versions	The Software Versions attribute is a multivalued attribute, built as follows: Value1\Value2\Value3\Value4 Value1:	
				If Mammo CAD: "7.2-Z" or "Premier-Z", where Z equals the operating point. L = Low Op Point M = Medium Op Point H = High Op Point	

				D = Dynamic Op Point
				If Tomo Detection: "1.1.2.0" for Tomo Detection 1.0 "2.x.x.x-Y" for Tomo Detection 2.0, where Y equals the operating point. L = Low Op Point M = Medium Op Point H = High Op Point D = Dynamic Op Point
				Value2: If Mammo CAD: PowerLook internal software build
				If Tomo Detection: Tomo Detection internal software build Value3:
				If Mammo CAD: FFDM CAD internal software build
				If Tomo Detection: PowerLook internal software build
				Value4:
				If Mammo CAD:
				None
				If Tomo Detection:
				"BLEND" if CAD detections are to be blended, otherwise none.
(0.010.10.0)				
(0018,1008)	LO	3	Gantry ID	Not used
(0018,1050)	DS	3	Spatial Resolution mm	Not used
(0018,1200)	DA	3	Date of Last Calibration	Not used
(0018,1201)	TM	3	Time of Last Calibration	Not used
(0028,0120)	US	3	Pixel Padding Value	Not used

Table 47 - SR Document General Module Attributes – ref. PS 3.3 - 2018 C.17.2 – Table C.17-2

Group and	VR	Type	Description	Value
Element				
(0020,0013)	SH	1	Instance Number	Configurable, with the default being "1"
(0040,A491)	CS	1	Completion Flag	"COMPLETE"
(0040,A492)	LO	3	Completion Flag	Not used
			Description	
(0040,A493)	CS	1	Verification Flag	"UNVERIFIED"
(0008,0023)	DA	1	Content Date	The current date of the CAD processing.
(0008,0033)	TM	1C	Content Time	The current time of the CAD processing.
(0040,A073)	SQ	1	Verifying Observer	Not used
			Sequence	
>(0040,A075)	PN	1	Verifying Observer Name	Not used
>(0040,A088)	SQ	2	Verifying Observer	Not used

			Identification Code		
			Sequence		
>(0040,A027)	LO	1	Verifying Organization	Not used	
>(0040,A030)	DT	1	Verification DateTime	Not used	
(0040,A360)	SQ	1C	Predecessor Documents	Not used	
			Sequence		
(0040,A525)	SQ	1C	Identical Documents	Not used	
			Sequence		
(0040,A370)	SQ	1C	Referenced Request	Not used	
			Sequence		
(0040,A372)	SQ	2	Performed Procedure Code	Not used	
			Sequence		
(0040,A375)	SQ	1C	Current Requested	A single sequence that contains the Study	
			Procedure Evidence	Instance UID, Series Instance UID,	
			Sequence	Referenced SOP Class UID, and Referenced	
				SOP Instance UID for each image in the	
				study. This sequence is described in the	
				DICOM standard PS 3.3 – 2018 in Table	
				C.17-3	
>(0020,000D)	UI	1	Study Instance UID	Unique identifier for the Study obtained	
				from the image header.	
>(0008,1115)	SQ	1	Referenced Series Sequence	Sequence repeats for each image that exists	
				in the study. The sequence contains the	
				Attributes of one Series.	
>>(0020,000E)	UI	1	Series Instance UID	Unique identifier of a Series obtained from	
				the image header that is part of this Study	
	.			containing the referenced Instances.	
>>(0008,0054)	AE	3	Retrieve AE Title	Not used	
>>(0068,0130)	SH	3	Storage Media File-Set ID	Not used	
>>(0068,0140)	UI	3	Storage Media File-Set UID	Not used	
>>(0008,1199)	SQ	1	Referenced SOP Sequence	References to Object Instance pairs that are	
				part of the Study defined by Study Instance	
				UID and the Series defined by Series	
				Instance UID (0020,000E) and are obtained	
(0000 1150)	T 77	1	D.C. 100DCL IVID	from the image header.	
>>>(0008,1150)	UI	1	Referenced SOP Class UID	Uniquely identifies the referenced SOP	
				Class that is obtained from the image	
>>> (0000 1155)	TIT	1	Defense d COD Leaves	header.	
>>>(0008,1155)	UI	1	Referenced SOP Instance	Uniquely identifies the referenced SOP	
			UID	instance that is obtained from the image	
				header.	

Table 48 - SOP Common Module Attributes – Mandatory – ref. PS 3.3 - 2018 C.12.1 – Table C.12-1

Group and Element	VR	Type	Description	Value
(0008,0016)	UI	1	SOP Class UID	"1.2.840.10008.5.1.4.1.1.88.5 0", which represents Mammography CAD Structured Report.
(0008,0018)	UI	1	SOP Instance UID	Instance UID for the

	1			C: 1D 11
				Structured Report. It will
				have the format of:
				1.2.840.114191.W.XX.XX.1.
				2.Z.YYYY, where W is
				configurable number (default
				3), XXXX is a number
				unique to the PowerLook
				system, YYYY is a
				timestamp, and Z is
				configurable number (default
				1).
(0008,0005)	CS	1C	Specific Character Set	ISO_IR 100, configurable
(0008,0012)	DA	3	Instance Creation Date	Current date of the CAD
				processing.
(0008,0013)	TM	3	Instance Creation Time	Current time of the CAD
				processing.
(0008,0014)	UI	3	Instance Creator UID	Not used
(0008,0110)	SQ	3	Coding Scheme Identification Sequence	Not used
(0008,0201)	SH	3	Timezone Offset From UTC	Not used
(0018,A001)	SQ	3	Contributing Equipment Sequence	Not used
(0020,0013)	IS	3	Instance Number	Configurable, with default
				being "1"
(0100,0410)	CS	3	SOP Instance Status	Not used
(0100,0420)	DT	3	SOP Authorization Date and Time	Not used
(0100,0424)	LT	3	SOP Authorization Comment	Not used
(0100,0426)	LO	3	Authorization Equipment Certification	Not used
			Number	
(4FFE,0001)	SQ	3	MAC Parameters Sequence	Not used
(FFFA,FFFA)	SQ	3	Digital Signatures Sequence	Not used

3.3.6.12.1.1Storage of CAD Results – Mammography CAD Structured Report

PowerLook will process each image to determine the existence of any suspicious regions. The results of this processing will be combined into a single DICOM Mammography CAD Structured Reporting message that will be sent to the remote system (that is if the remote device was configured to receive this output). Table 41 defines the DICOM modules that are used to create the Mammography CAD Structured Report. The Mammography CAD Structured Report uses the following additional tables to create the report: Table 42, Table 43, Table 44, Table 45, Table 46, Table 47, and Table 48. Table 49 defines the Mammography CAD Structured Report's Document Content Module, which utilizes the Mammography CAD SR templates.

A high-level overview of the structure of the DICOM Mammography CAD Structured Report is shown in Figure 3-1. This figure shows that there are five nodes that exist from the root node: the Language of Content Item and Descendants, the Image Library, the Mammography CAD Overall Impressions / Recommendations, the Summary of Detections, and the Summary of Analyses.

The Language of Content Item and Descendants (see Table 50) indicates that the language of the report is English and the country of the language is the United States. The Image Library (see Table 51) contains an entry for each image in the study. It contains the SOP Class UID and Instance UID and any of the following values if they are included in the image header:

- Image Laterality
- Image View
- Image View Modifier
- Patient Orientation Row
- Patient Orientation Column
- Study Date
- Study Time
- Content Date
- Content Time
- Horizontal Imager Pixel Spacing
- Vertical Imager Pixel Spacing
- Slice Thickness
- Frame of Reference UID
- Image Position (Patient) X
- Image Position (Patient) Y
- Image Position (Patient) Z
- Image Orientation (Patient) Row X
- Image Orientation (Patient) Row Y
- Image Orientation (Patient) Row Z
- Image Orientation (Patient) Column X
- Image Orientation (Patient) Column Y
- Image Orientation (Patient) Column Z

The node position of each image is significant, for it's the node position, not the Instance UID, which is used for reference by each CAD detection.

The Mammography CAD Overall Impressions / Recommendations node (see Table 52) contains an overall status summary of the CAD processing. The status values will be either:

- "All algorithms succeeded; without findings"
- "All algorithms succeeded; with findings"

- "Not all algorithms succeeded; without findings"
- "Not all algorithms succeeded; with findings"
- "No algorithms succeeded; without findings"

The Mammography CAD Impression / Recommendation body can be configured to be populated if using the iReveal breast density assessment (see Table 53 and Figure 3-11). Computed values shall consist of:

- Breast tissue density for each breast
- Breast Area for each breast
- Fibroglandular tissue area for each breast
- Breast composition for patient case

The Mammography CAD Overall Impressions / Recommendations node will exist for each image. It will contain information in regards to Rendering Intent for the processed image as well as any Single Image Findings and CAD Composite Features. Potential Single Image Findings are:

- Breast Geometry (see Table 54 and Figure 3-3) (Optional, Premier CAD Only)
- Selected Region Description (see Table 55 and Figure 3-4) (Optional, Premier CAD Only)
- Breast Composition (see Table 56 and Figure 3-5) (Optional, Density Assessment Only)
- Nipple (see Table 57 and Figure 3-6) (Optional, 2D CAD Only)
- Mammography Breast Density (see Table 58 and Figure 3-7)
- Calcification Cluster (see Table 59 and Figure 3-8) and Individual Calcifications. (Individual calcifications are optional, Premier CAD Only)

Composite features (optional, Premier CAD only), which are features that were detected in two separate images, shall consist of:

- Breast Density (see Table 60 and Figure 3-9)
- Calcification Cluster (see Table 61 and Figure 3-10)

A Breast Geometry Single Image Finding shall consist of:

- Rendering Intent
- Algorithm Name
- Algorithm Version
- Algorithm Parameters
- A Breast Outline Including Pectoral Muscle,
- A Pectoral Muscle Outline (depending on the view)

A Breast Composition Single Image Finding shall consist of:

- Rendering Intent
- Algorithm Name
- Algorithm Version
- Algorithm Parameters
- A percentage of glandular tissue
- An overall breast composition value from BI-RADS®

A Mammography Breast Density Single Image Finding shall consist of:

- Rendering Intent
- Tracking Identifier (Optional, Premier CAD Only)
- Algorithm Name
- Algorithm Version
- Algorithm Parameters

- Certainty of Finding
- A Center Point of the density
- An Outline of the density (ELLIPSE or detailed POLYLINE)
- Secondary Graphic Representation (Optional, 2D CAD Only)
- The Long Axis of the density (diameter) (Optional, 2D CAD Only)
- The distance from nipple (Optional, 2D CAD Only)
- The distance from chest wall (Optional, 2D CAD Only)
- The Area of the density (Optional, 2D CAD Only)
- The Selected Region Description (also known as CAD iNSIGHT) (Optional, Premier CAD Only)

A Calcification Cluster Single Image Finding shall consist of:

- Rendering Intent
- Tracking Identifier (Optional, Premier CAD Only)
- Algorithm Name
- Algorithm Version
- Algorithm Parameters
- Certainty of Finding
- A Center Point of the cluster
- An Outline of the cluster (Five point rectangle/POLYLINE or detailed POLYLINE)
- Secondary Graphic Representation (Optional, 2D CAD Only)
- The Number of Calcifications within the cluster (Optional, 2D CAD Only)
- The Long Axis of the cluster (diameter) (Optional, 2D CAD Only)
- The Distance from nipple (Optional, 2D CAD Only)
- The Distance from chest wall (Optional, 2D CAD Only)
- The Area of the cluster (Optional, 2D CAD Only)
- The Selected Region Description (also known as CAD iNSIGHT) (Optional, Premier CAD Only)
- The average calcification distance in a calcification cluster (Optional, 2D CAD Only)
- The standard deviation distance of calcifications in a cluster (Optional, 2D CAD Only)

For each Calcification Cluster, there will be a Single Image Finding for each Individual Calcification within the cluster. The Individual Calcification Single Image Finding (optional, Premier CAD only) shall contain:

- Rendering Intent
- Algorithm Name
- Algorithm Version
- Algorithm Parameters
- A Center Point of the individual calc
- An Outline of the individual calc

In the Mammography CAD SR, all Type 1 attributes shall be present with a valid value (not zero length), and all Type 2 attributes shall be present. The following Type 2 and Type 3 attributes shall be present with a nonzero length value:

- (0008,0020) Study Date
- (0008,0023) Content Date
- (0008,0030) Study Time: may be zero length, if not present or zero length in the corresponding images
- (0008,0033) Content Time
- (0008,0070) Manufacturer
- (0008,1010) Station Name

- (0008,1090) Manufacturer's Model Name
- (0010,0010) Patient's Name
- (0010,0020) Patient ID: may be zero length, if not present or zero length in the corresponding images
- (0018,1020) Software Versions (configurable to include the CAD version, CAD Build, and PowerLook Build)

The following Type 3 attributes may be present with a nonzero length value:

- (0008,0080) Institution Name
- (0008,0081) Institution Address

For the Mammography CAD SR, the Content Sequence (0040,A730) shall follow the rules of TID 4000 Mammography CAD Document Root Template, as defined in DICOM PS 3.16-2018. All Mandatory content items shall be present.

Local CAD Processing is capable of performing "Mammography breast density", "Calcification Cluster", "Nipple", "Breast Geometry", "Breast Composition", and "Composite Object" detection. The following templates are supported:

- TID 4000 Mammography CAD Document Root
- TID 4001 Mammography CAD Overall Impression/Recommendation
- TID 4002 Mammography CAD Impression / Recommendation Body
- TID 4003 Mammography CAD Individual Impression/Recommendation
- TID 4004 Mammography CAD Composite Feature
- TID 4005 Mammography CAD Composite Feature Body
- TID 4006 Mammography CAD Single Image Finding
- TID 4007 Mammography CAD Breast Composition
- TID 4008 Mammography CAD Breast Geometry
- TID 4009 Mammography CAD Individual Calcification
- TID 4010 Mammography CAD Calcification Cluster
- TID 4011 Mammography CAD Density
- TID 4013 Mammography CAD Selected Region
- TID 4015 CAD Detections Performed
- TID 4016 CAD Analyses Performed
- TID 4017 CAD Detection Performed
- TID 4018 CAD Analysis Performed
- TID 4019 CAD Algorithm Identification
- TID 4020 CAD Image Library Entry
- TID 4021 Mammography CAD Geometry
- TID 4023 CAD Operating Points

Content items that require "Rendering Intent" as a child content item shall have the value "Presentation Required", "Presentation Optional", or "Not for Presentation: Rendering device expected not to present".

The following User Optional content items may be present if the features are enabled in the System Configuration table:

- TID 4002 Mammography CAD Impression / Recommendation Body, Row 5, (DCM, 111033, "Impression Description") for "Breast Density Measurements" or "Case Score"
- TID 4002 Mammography CAD Impression / Recommendation Body, Row 10, (DCM, 111013, "Certainty of impression") for Case Score
- TID 4002 Mammography CAD Impression / Recommendation Body, Row 12, (DCM, 112191, "Breast tissue density")

- TID 4002 Mammography CAD Impression / Recommendation Body, Row 12, (DCM, 112193, "Breast Area")
- TID 4002 Mammography CAD Impression / Recommendation Body, Row 12, (DCM, 112192, "Dense Area")
- TID 4004 Mammography CAD Composite Feature, Row 3, DTID (4005) "Mammography CAD Composite Feature Body")
- TID 4005 Mammography CAD Composite Feature Body, Row 16, DCID (6020) (DCM, 111048, "Quadrant location")
- TID 4005 Mammography CAD Composite Feature Body, Row 17, DCID (6018) (DCM, 111014, "Clockface or region")
- TID 4005 Mammography CAD Composite Feature Body, Row 18, DCID (6024) (DCM, 111020, "Depth")
- TID 4006 Mammography CAD Single Image Finding, Row 1, DCID (6014) (SNM3, T-04100, "Nipple")
- TID 4006 Mammography CAD Single Image Finding, Row 1, DCID (6014) (DCM, 111100, "Breast geometry")
- TID 4006 Mammography CAD Single Image Finding, Row 1, DCID (6014) (DCM, 111099, "Selected Region")
- TID 4006 Mammography CAD Single Image Finding, Row 3 (111071, DCM, "CAD Operating Point")
- TID 4006 Mammography CAD Single Image Finding, Row 5 (111012, DCM, "Certainty of Finding")
- TID 4006 Mammography CAD Single Image Finding, Row 24, Include TID 4006 for (F-01776, SRT, "Individual Calcification")
- TID 4007 Mammography CAD Breast Composition, Row 1 (F-01710, SRT, "Breast composition")
- TID 4007 Mammography CAD Breast Composition, Row 2 (111046, DCM, "Percent Glandular Tissue")
- TID 4008 Mammography CAD Breast Geometry, Row 1, DCID (6014) (DCM, 111007, "Breast Outline including Pectoral Muscle Tissue")
- TID 4008 Mammography CAD Breast Geometry, Row 3, DCID (6014) (DCM, 111045, "Pectoral Muscle Outline")
- TID 4010 Mammography CAD Calcification Cluster, Row 3 (111038, DCM, "Number of calcifications")
- TID 4010 Mammography CAD Calcification Cluster, Row 4, DTID (1400) "Linear Measurement", using Row 1 as "Distance from nipple"
- TID 4010 Mammography CAD Calcification Cluster, Row 4, DTID (1400) "Linear Measurement", using Row 1 as "Distance from chest wall"
- TID 4010 Mammography CAD Calcification Cluster, Row 4, DTID (1400) "Linear Measurement", using Row 1 as "Average calcification distance in a calcification cluster"
- TID 4010 Mammography CAD Calcification Cluster, Row 4, DTID (1400) "Linear Measurement", using Row 1 as "Standard deviation distance of calcifications in a cluster"
- TID 4010 Mammography CAD Calcification Cluster, Row 5, DTID (1401) "Area Measurement", using Row 1 as "Area Measurements"
- TID 4011 Mammography CAD Density, Row 4, DTID (1400) "Linear Measurement", using Row 1 as "Long Axis"
- TID 4011 Mammography CAD Density, Row 4, DTID (1400) "Linear Measurement", using Row 1 as "Distance from nipple"

- TID 4011 Mammography CAD Density, Row 4, DTID (1400) "Linear Measurement", using Row 1 as "Distance from chest wall"
- TID 4011 Mammography CAD Density, Row 5, DTID (1401) "Area Measurement", using Row 1 as "Area Measurements"
- TID 4013 Mammography CAD Selected Region, Row 1 (111058, DCM, "Selected Region Description")
- TID 4021 Mammography CAD Geometry Template, Row 3 (111041, DCM, "Outline"), for (F-01796, SRT, "Mammography breast density") and (F-01776, SRT, "Individual Calcification") findings
- TID 4021 Mammography CAD Geometry Template, Row 5, CAD Geometry Secondary Graphical Representation (113663, DCM, "Outer limits of fuzzy margin"), for (F-01796, SRT, "Mammography breast density")
- TID 4017 CAD Detection Performed, Row 9, DTID (4023) CAD Operating Points
- TID 4019 CAD Algorithm Identification, Row 3, Algorithm Parameters
- TID 4023 CAD Operating Points, Row 1, (111072, DCM, "Maximum CAD Operating Point")
- TID 4023 CAD Operating Points, Row 2, (111092, DCM, "Recommended CAD Operating Point")
- TID 4023 CAD Operating Points, Row 3, (111093, DCM, "CAD Operating Point Table")
- TID 4023 CAD Operating Points, Row 7, (111081, DCM, "CAD Operating Point Description")

The following standard extended attribute for Mammography CAD SR can optionally be added and populated with a configurable string, default "iCAD CAD".

• (0008,103E) Series Description

In the event a user does not support the Mammography CAD Composite Feature (TID 4004), the Tracking Identifier that was submitted in DICOM Correction Proposal 910 can be used to indicate that a detection is related in two different images

• TID 4006 Mammography CAD Single Image Finding, Row 4, Include TID 4108 "Tracking Identifier" using Row 1 as (112039, DCM, "Tracking Identifier")

In the event a user does not support the Mammography CAD Composite Feature (TID 4004), "Quadrant location", "Clockface or region", and "Depth" can be configured to be added non-conformantly to TID 4006 as follows:

- TID 4006 Mammography CAD Single Image Finding, DCID (6020) (DCM, 111048, "Quadrant location")
- TID 4006 Mammography CAD Single Image Finding, DCID (6018) (DCM, 111014, "Clockface or region")
- TID 4006 Mammography CAD Single Image Finding, DCID (6024) (DCM, 111020, "Depth")

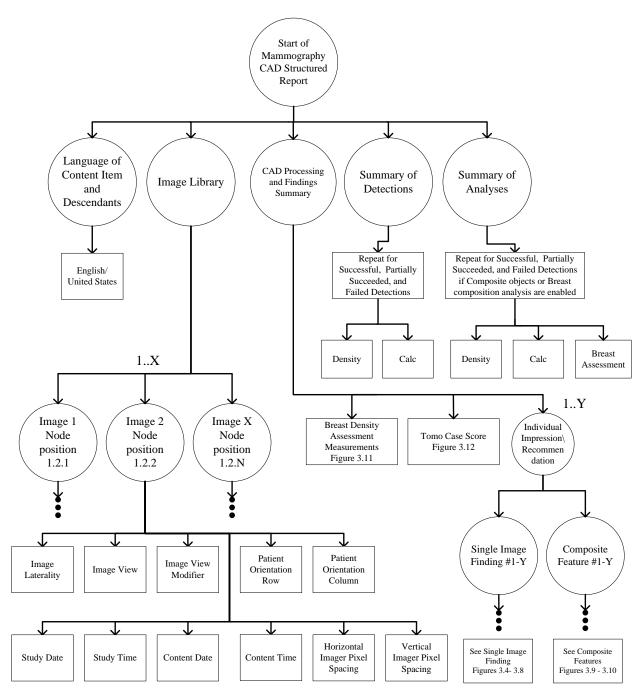


Figure 3-1 - Mammography CAD Structured Report Overview

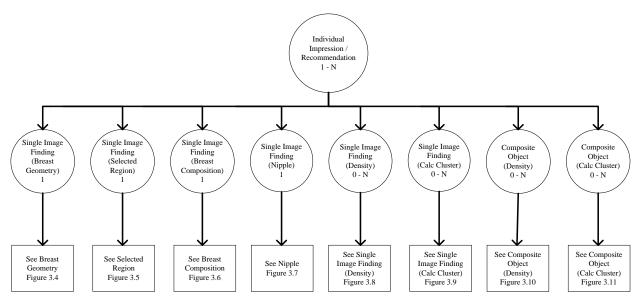


Figure 3-2 - Mammography CAD Structured Report Findings

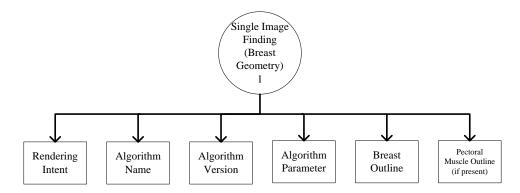


Figure 3-3 - Single Image Finding Breast Geometry

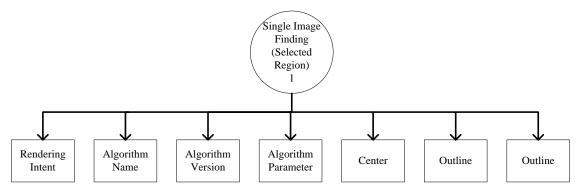


Figure 3-4 - Single Image Finding Selected Region

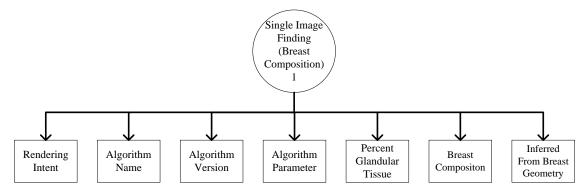


Figure 3-5 - Single Image Finding Breast Composition

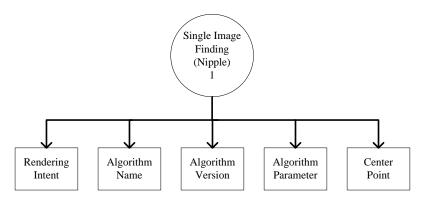


Figure 3-6 - Single Image Finding Nipple

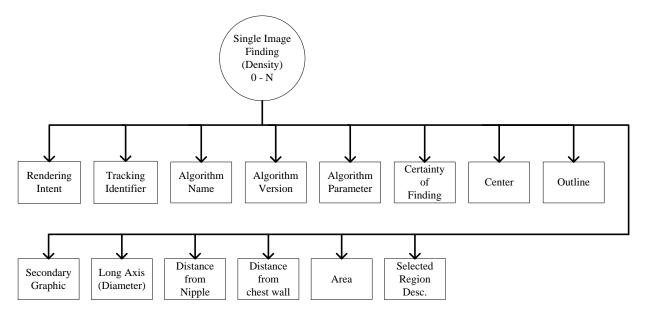


Figure 3-7 - Single Image Finding Density

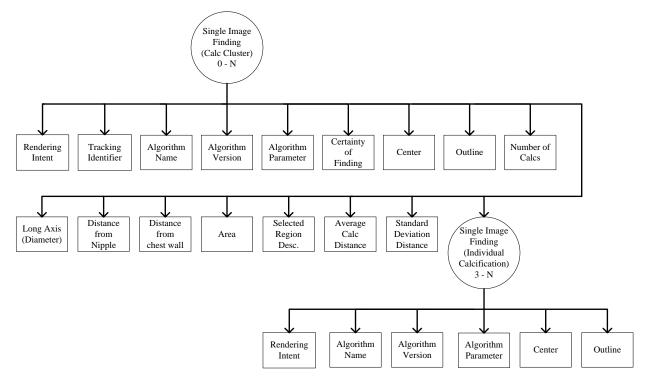


Figure 3-8 - Single Image Finding Calc Cluster

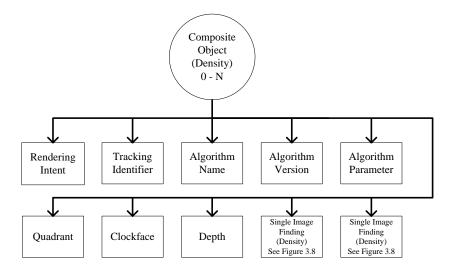


Figure 3-9 - Composite Object Density

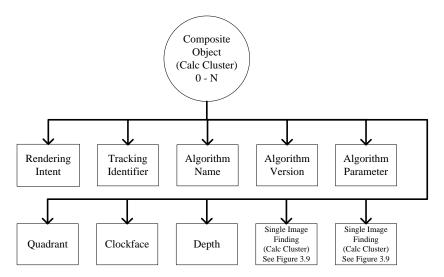


Figure 3-10 - Composite Object Calc Cluster

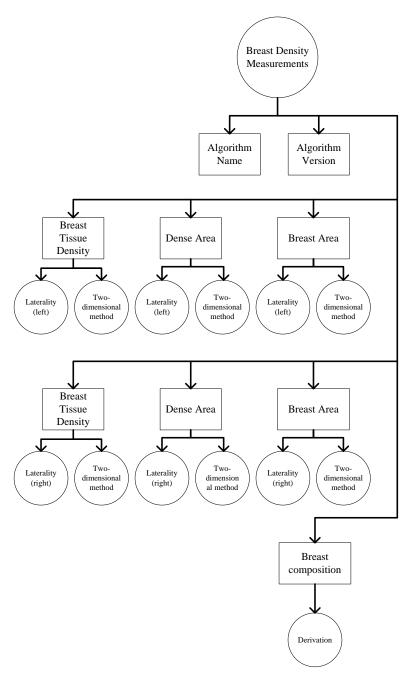


Figure 3-11 – Breast Density Measurements

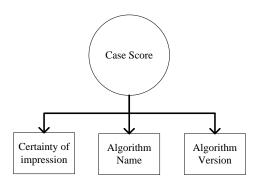


Figure 3-12 - Tomo Case Score

Table 49 - SR Document Content - Ref. PS 3.3 - 2018 C.17-3 - Table C.17.4

Group and Element	VR	Description	Value
(0040,A040)	CS	Value Type	"CONTAINER"
(0040,A043)	SQ	Concept-name Code Sequence	1
>(0008,0100)	SH	Code Value	111036
>(0008,0102)	SH	Coding Scheme Designator	DCM
>(0008,0104)	LO	Code Meaning	"Mammography CAD Report"
(0040,A050)	CS	Continuity of Content	"SEPARATE"
(0040,A504)	SQ	Content Template Sequence	1
>(0008,0105)	CS	Mapping Resource	"DCMR"
>(0040,DB00)	CS	Template Identifier	"4000"
(0040,A730)	SQ	Content Sequence	Include sequence for "Language of Content Item and Descendants". See Table 50 and DICOM TID 1204.
(0040,A730)	SQ	Content Sequence	Include "Image Library" container. See Table 51 and DICOM TID 4020.
(0040,A730)	SQ	Content Sequence	Include "Mammography CAD Overall Impression / Recommendation" container. See Table 52 and DICOM TID 4001.
(0040,A730)	SQ	Content Sequence	Include "Summary of Detections". See Table 62 and DICOM TID 4015.
(0040,A730)	SQ	Content Sequence	Include "Summary of Analyses". See Table 63 and DICOM TID 4016.

Table 50 - Language of Content Item and Descendants (TID 4000, TID 1204)

Group and Element	VR	Description	Value
>(0040,A010)	CS	Relationship Type	"HAS CONCEPT MOD"
>(0040,A040)	CS	Value Type	"CODE"
>(0040,A043)	SQ	Concept Name Code Sequence	1
>>(0008,0100)	SH	Code Value	"121049"
>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>(0008,0104)	LO	Code Meaning	"Language of Content Item and
			Descendants"
>(0040,A168)	SQ	Concept Code Sequence	1
>>(0008,0100)	SH	Code Value	"en"
>>(0008,0102)	SH	Code Scheme Designator	"RFC3066"
>>(0008,0104)	LO	Code Meaning	"English"
>(0040,A730)	SQ	Content Sequence	1
>>(0040,A010)	CS	Relationship Type	"HAS CONCEPT MOD"

>>(0040,A040)	CS	Value Type	"CODE"
>>(0040,A043)	SQ	Concept Name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"121046"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Country of Language"
>>(0040,A168)	SQ	Concept Code Sequence	1
>>>(0008,0100)	SH	Code Value	"US"
>>>(0008,0102)	SH	Code Scheme Designator	"ISO3166_1"
>>>(0008,0104)	LO	Code Meaning	"UNITED STATES"

Table 51 - Image Library Container (TID 4000, TID 4020)

Group and Element	VR	Description	Value
>(0040,A010)	CS	Relationship Type	"CONTAINS"
>(0040,A040)	CS	Value Type	"CONTAINER"
>(0040,A168)	SQ	Concept Code Sequence	1
>>(0008,0100)	SH	Code Value	"111028"
>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>(0008,0104)	LO	Code Meaning	"Image Library"
>(0040,A050)	CS	Continuity Of Content	"SEPARATE"
>(0040,A730)	SQ	Content Sequence	"Mammography CAD Image Library Entry". Repeat this sequence for each image in the study and also for every unique frame that contains a finding in a BTO object.
>>(0008,1199)	SQ	Referenced SOP Sequence	1
>>>(0008,1150)	UI	Referenced SOP Class UID	The SOP Class UID of the image being processed.
>>>(0008,1155)	UI	Referenced SOP Instance UID	The SOP Instance UID of the image being processed.
>>>(0008,1160)	IS	Referenced Frame Number	Frame number in the BTO object that contains the finding
>>(0040,A010)	CS	Relationship Type	"CONTAINS"
>>(0040,A040)	CS	Value Type	"IMAGE"
>>(0040,A730)	SQ	Content Sequence	The "Image Laterality" content sequence shall be present only if tag (0020,0062) is present in the image.
>>>(0040,A010)	CS	Relationship Type	"HAS ACQ CONTEXT"
>>>(0040,A040)	CS	Value Type	"CODE"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"111027"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Image Laterality"
>>>(0040,A168)	SQ	Concept Code Sequence	From Context ID 6023 in the DICOM Standard
>>>(0008,0100)	SH	Code Value	"T-04030" (Left breast), "T-04020" (Right breast), "T-04080" (Both breasts)
>>>(0008,0102)	SH	Code Scheme Designator	"SNM3"
>>>(0008,0104)	LO	Code Meaning	"Left breast", "Right breast", or "Both breasts"
>>(0040,A730)	SQ	Content Sequence	The "Image View" content sequence shall be present only if tag (0054,0220) is present in the image.

>>>(0040,A010)	CS	Relationship Type	"HAS ACQ CONTEXT"
>>>(0040,A040)	CS	Value Type	"CODE"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"111031"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Image View"
>>>(0040,A168)	SQ	Concept Code Sequence	From Context ID 4014 in the DICOM
(00 10,11100)	٥٧	Concept Code Sequence	Standard
>>>(0008,0100)	SH	Code Value	"R-10224" (medio-lateral),
(0000,000)			"R-10266" (medio-lateral oblique),
			"R-10228" (latero-medial),
			"R-10230" (latero-medial oblique),
			"R-10242" (cranio-caudal),
			"R-10244" (cranio-caudal from below),
			"R-102D0" (superolateral to inferomedial
			oblique),
			"R-102CF" (exaggerated cranio-caudal),
			"Y-X1770"/"R-1024A" (cranio-caudal
			exaggerated laterally),
			"Y-X1771"/"R-1024B" (cranio-caudal
			exaggerated medially), or
			"G-8310" (tissue specimen from breast)
>>>(0008,0102)	SH	Code Scheme Designator	"SRT" or "SNM3"
>>>(0008,0104)	LO	Code Meaning	"medio-lateral",
		_	"medio-lateral oblique",
			"latero-medial",
			"latero-medial oblique",
			"cranio-caudal",
			"cranio-caudal from below", "superolateral
			to inferomdial oblique",
			"exaggerated cranio-caudal"," cranio-
			caudal exaggerated laterally",
			"cranio-caudal exaggerated medially", or
			"tissue specimen from breast"
>>(0040,A730)	SQ	Content Sequence	The "Image View Modifier" content
			sequence shall be present only if tag
			(0054,0222) is present in the image.
>>>(0040,A010)	CS	Relationship Type	"HAS CONCEPT MOD"
>>>(0040,A040)	CS	Value Type	"CODE"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"111032"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Image View Modifier"
>>>(0040,A168)	SQ	Concept Code Sequence	From Context ID 4015 in the DICOM
(0000 0100)	GTT		Standard (CL)
>>>(0008,0100)	SH	Code Value	"R-102D2" (Cleavage),
			"R102D1" (Axillary Tail),
			"R-102D3" (Rolled lateral),
			"R-102D4" (Rolled Medial),
			"R-102D5" (Implant Displaced), "B 102D6" (Magnification)
			"R-102D6" (Magnification), "P. 102D7" (Spot Compression)
			"R-102D7" (Spot Compression),
			"R-102C2" (Tangential) "P 40AR3" (Nipple in profile)
			"R-40AB3" (Nipple in profile)
			"P2-00161" (Anterior compression)

		1	"D 40 A DE?" (Infine manuscraft 11)
			"R-40ABE" (Infra-mammary fold)
>>>> (0000 0100)	CII	Cada Calama Dasimatan	"R-40AB2" (Axillary tissue)
>>>(0008,0102)	SH	Code Scheme Designator	"SRT" or "SNM3"
>>>(0008,0104)	LO	Code Meaning	Cleavage,
			Axillary Tail, Rolled lateral,
			Rolled Medial,
			Implant Displaced,
			Magnification,
			Spot Compression,
			Tangential,
			Nipple in profile,
			Anterior compression,
			Infra-mammary fold,
(0040 4720)	0.0	Contact Constant	Axillary tissue
>>(0040,A730)	SQ	Content Sequence	The "Patient Orientation Row" content
			sequence shall be present only if tag
(00.40, 4.04.0)		7.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	(0020,0020) is present in the image.
>>>(0040,A010)	CS	Relationship Type	"HAS ACQ CONTEXT"
>>>(0040,A040)	CS	Value Type	"TEXT"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"111044"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Patient Orientation Row"
>>>(0040,A160)	UT	Text Value	First value from tag (0020,0020) in image.
>>(0040,A730)	SQ	Content Sequence	The "Patient Orientation Column" content
			sequence shall be present only if tag
			(0020,0020) is present in the image.
>>>(0040,A010)	CS	Relationship Type	"HAS ACQ CONTEXT"
>>>(0040,A040)	CS	Value Type	"TEXT"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"111043"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Patient Orientation Column"
>>>(0040,A160)	UT	Text Value	Second value from tag (0020,0020) in
			image.
>>(0040,A730)	SQ	Content Sequence	The "Study Date" content sequence shall be
		_	present only if tag (0008,0020) is present in
			the image.
>>>(0040,A010)	CS	Relationship Type	"HAS ACQ CONTEXT"
>>>(0040,A040)	CS	Value Type	"DATE"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"111060"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Study Date"
>>>(0040,A121)	DA	Date	Value from tag (0008,0020) in image.
>>(0040,A730)	SQ	Content Sequence	The "Study Time" sequence shall be present
(55.50,27.50)	~~	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	only if tag (0008,0030) is present in the
			image.
>>>(0040,A010)	CS	Relationship Type	"HAS ACQ CONTEXT"
>>>(0040,A040)	CS	Value Type	"TIME"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0040,A043)	SH	Code Value	"111061"
>>>(0008,0100)	SH	Code Scheme Designator	"DCM"
////(0000,0104)	эп	Code Scheme Designator	DCIVI

>>>(0008,0104)	LO	Code Meaning	"Study Time"
>>>(0008,0104) >>>(0040,A122)	TM	Time	Value from tag (0008,0030) in image.
>>(0040,A122) >>(0040,A730)		Content Sequence	The "Content Date" sequence shall be
>>(0040,A730)	SQ	Content Sequence	present only if tag (0008,0023) is present in
			the image.
>>> (0040, 4,010)	CS	Relationship Type	"HAS ACQ CONTEXT"
>>>(0040,A010)	CS	1 11	"DATE"
>>>(0040,A040)		Value Type	
>>>(0040,A043)	SQ	Concept-name Code Sequence	1 "11010"
>>>(0008,0100)	SH	Code Value	"111018"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Content Date"
>>>(0040,A121)	DA	Date	Value from tag (0008,0023) in image.
>>(0040,A730)	SQ	Content Sequence	The "Content Time" sequence shall be
			present only if tag (0008,0023) is present in
(0040 4040)	CCC	D 1 .: 1: #	the image.
>>>(0040,A010)	CS	Relationship Type	"HAS ACQ CONTEXT"
>>>(0040,A040)	CS	Value Type	"TIME"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"111019"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Content Time"
>>>(0040,A122)	TM	Time	Value from tag (0008,0033) in image.
>>(0040,A730)	SQ	Content Sequence	The "Horizontal Imager Pixel Spacing"
			sequence shall be present only if tag
			(0018,1164) or (0028,0030) is present in the
			image.
>>>(0040,A010)	CS	Relationship Type	"HAS ACQ CONTEXT"
>>>(0040,A040)	CS	Value Type	"NUM"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"111026"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Horizontal Imager Pixel Spacing"
>>>(0040,A300)	SQ	Measured Value Sequence	1
>>>(0040,08EA)	SQ	Measured Units Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"um"
>>>>(0008,0102)	SH	Code Scheme Designator	"UCUM"
>>>>(0008,0103)	SH	Coding Scheme Version	1.4
>>>>(0008,0104)	LO	Code Meaning	"micrometer"
>>>(0040,A30A)	DS	Numeric Value	First value from tag (0018,1164) or
7777 (00.10,120.012)			(0028,0030) in image.
>>(0040,A730)	SQ	Content Sequence	The "Vertical Imager Pixel Spacing"
, , (00.10,127.00)	2 4		sequence shall be present only if tag
			(0018,1164) or (0028,0030) is present in the
			image.
>>>(0040,A010)	CS	Relationship Type	"HAS ACQ CONTEXT"
>>>(0040,A040)		Value Type	"NUM"
	CS		
	CS	* 1	
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0040,A043) >>>>(0008,0100)	SQ SH	Concept-name Code Sequence Code Value	1 "111066"
>>>(0040,A043) >>>>(0008,0100) >>>>(0008,0102)	SQ SH SH	Concept-name Code Sequence Code Value Code Scheme Designator	1 "111066" "DCM"
>>>(0040,A043) >>>>(0008,0100) >>>>(0008,0102) >>>>(0008,0104)	SQ SH SH LO	Concept-name Code Sequence Code Value Code Scheme Designator Code Meaning	1 "111066" "DCM" "Vertical Imager Pixel Spacing"
>>>(0040,A043) >>>>(0008,0100) >>>>(0008,0102) >>>>(0008,0104) >>>(0040,A300)	SQ SH SH LO SQ	Concept-name Code Sequence Code Value Code Scheme Designator Code Meaning Measured Value Sequence	1 "111066" "DCM" "Vertical Imager Pixel Spacing" 1
>>>(0040,A043) >>>>(0008,0100) >>>>(0008,0102) >>>>(0008,0104) >>>(0040,A300) >>>>(0040,08EA)	SQ SH SH LO SQ SQ	Concept-name Code Sequence Code Value Code Scheme Designator Code Meaning Measured Value Sequence Measured Units Code Sequence	1 "111066" "DCM" "Vertical Imager Pixel Spacing" 1
>>>(0040,A043) >>>>(0008,0100) >>>>(0008,0102) >>>>(0008,0104) >>>(0040,A300)	SQ SH SH LO SQ	Concept-name Code Sequence Code Value Code Scheme Designator Code Meaning Measured Value Sequence	1 "111066" "DCM" "Vertical Imager Pixel Spacing" 1

>>>>(0008,0103)	SH	Coding Scheme Version	1.4
>>>>(0008,0103)	LO	Code Meaning	"micrometer"
>>>(0040,A30A)	DS	Numeric Value	Second value from tag (0018,1164) or
////(0040,713071)	DS	Trainerie varae	(0028,0030) in image.
>>(0040,A730)	SQ	Content Sequence	The "Slice Thickness" sequence shall be
77 (00 10,11730)	50	Content Sequence	present only if tag (0018,0050) is present in
			the image.
>>>(0040,A010)	CS	Relationship Type	"HAS ACQ CONTEXT"
>>>(0040,A040)	CS	Value Type	"NUM"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"112225"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Slice Thickness"
>>>(0040,A300)	SQ	Measured Value Sequence	1
>>>(0040,08EA)	SQ	Measured Units Code Sequence	1
>>>>(0040,00L/1)	SH	Code Value	"um"
>>>>(0008,0100)	SH	Code Scheme Designator	"UCUM"
>>>>(0008,0102)	SH	Coding Scheme Version	1.4
>>>>(0008,0103)	LO	Code Meaning	"micrometer"
>>>(0008,0104)	DS	Numeric Value	Slice Thickness value from tag (0018,0050)
///(0040,A30A)	DS	Numeric value	in image.
			OR
			(5200,9229) Shared Functional Groups
			Sequence
			>(0028,9110) Pixel Measures Sequence
			>>(0018,0050) Slice Thickness
			OR
			(5200,9230) Per-Frame Functional Groups
			Sequence
			>(0028,9110) Pixel Measures Sequence
			>>(0018,0050) Slice Thickness
>>(0040,A730)	SQ	Content Sequence	The "Frame of Reference UID" sequence
		1	shall be present only if tag (0020,0052) is
			present in the image.
>>>(0040,A010)	CS	Relationship Type	"HAS ACQ CONTEXT"
>>>(0040,A040)	CS	Value Type	"UIDREF"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"112227"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Frame of Reference UID"
>>>(0040,A124)	UI	UID	Frame of Reference UID value from tag
			(0020,0052) in the BTO image
>>(0040,A730)	SQ	Content Sequence	The "Image Position (Patient) X" sequence
		_	shall be present only if the first value of tag
			(0020,0032) is present in the BTO image.
			Will only be populated for each unique
			image reference and will not be populated
			for every unique frame that contains a
			finding in a BTO object.
>>>(0040,A010)	CS	Relationship Type	"HAS ACQ CONTEXT"
A A A A A A A A A A A A A A A A A A A	CC	Value Type	"NUM"
>>>(0040,A040)	CS	value Type	TVOIVI
>>>(0040,A040) >>>(0040,A043)	SQ	Concept-name Code Sequence	1 "110901"

>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0102)	LO	Code Meaning	"Image Position (Patient) X"
>>>(0008,0104) >>>(0040,A300)	SQ	Measured Value Sequence	1
>>>(0040,A300) >>>>(0040,08EA)	SQ	Measured Units Code Sequence	1
>>>>(0040,08EA)	SH	Code Value	"mm"
>>>>(0008,0102)	SH	Code Scheme Designator	"UCUM" "millimeter"
>>>>(0008,0104)	LO	Code Meaning	
>>>(0040,A30A)	DS	Numeric Value	First value of Image Position (Patient) from
			tag (0020,0032) for the referenced image or
>> (0040, 4720)	0.0	Comtont Common	frame.
>>(0040,A730)	SQ	Content Sequence	The "Image Position (Patient) Y" sequence shall be present only if the second value of
			tag (0020,0032) is present in the BTO
			image. Will only be populated for each
			unique image reference and will not be
			populated for every unique frame that
			contains a finding in a BTO object.
>>>(0040,A010)	CS	Relationship Type	"HAS ACQ CONTEXT"
>>>(0040,A010)	CS	Value Type	"NUM"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0040,A043)	SH	Code Value	"110902"
>>>(0008,0100)	SH	Code Scheme Designator	"DCM"
>>>(0008,0102)	LO	Code Meaning	"Image Position (Patient) Y"
>>>(0040,A300)	SQ	Measured Value Sequence	1
>>>(0040,A300)	SQ	Measured Units Code Sequence	1
>>>>(0040,08EA)	SH	Code Value	"mm"
>>>>(0008,0100)	SH	Code Scheme Designator	"UCUM"
>>>>(0008,0102)	LO	Code Meaning	"millimeter"
>>>(0040,A30A)	DS	Numeric Value	Second value of Image Position (Patient)
///(00 1 0,A30A)	D5	Trumerie varue	from tag (0020,0032) for the referenced
			image or frame.
>>(0040,A730)	SQ	Content Sequence	The "Image Position (Patient) Z" sequence
// (00.10,127.00)	~~	Content Sequence	shall be present only if the third value of tag
			(0020,0032) is present in the BTO image.
			Will only be populated for each unique
			image reference and will not be populated
			for every unique frame that contains a
			finding in a BTO object.
>>>(0040,A010)	CS	Relationship Type	"HAS ACQ CONTEXT"
>>>(0040,A040)	CS	Value Type	"NUM"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"110903"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Image Position (Patient) Z"
>>>(0040,A300)	SQ	Measured Value Sequence	1
>>>(0040,08EA)	SQ	Measured Units Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"mm"
>>>>(0008,0102)	SH	Code Scheme Designator	"UCUM"
>>>>(0008,0104)	LO	Code Meaning	"millimeter"
>>>(0040,A30A)	DS	Numeric Value	Third value of Image Position (Patient)
			from tag (0020,0032) for the referenced
			image or frame.
>>(0040,A730)	SQ	Content Sequence	The "Image Orientation (Patient) Row X"
			sequence shall be present only if the first

			value of tag (0020,0037) is present in the
			BTO image.
>>>(0040,A010)	CS	Relationship Type	"HAS ACQ CONTEXT"
>>>(0040,A040)	CS	Value Type	"NUM"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"110904"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Image Orientation (Patient) Row X"
>>>(0040,A300)	SQ	Measured Value Sequence	1
>>>>(0040,08EA)	SQ	Measured Units Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"{-1:1}"
>>>>(0008,0102)	SH	Code Scheme Designator	"UCUM"
>>>>(0008,0104)	LO	Code Meaning	"{-1:1}"
>>>(0040,A30A)	DS	Numeric Value	First value of Image Orientation Patient
>>> (00 10,113011)		Trainerie varae	from tag (0020,0037) in image.
>>(0040,A730)	SQ	Content Sequence	The "Image Orientation (Patient) Row Y"
, , ,		1	sequence shall be present only if the second
			value of tag (0020,0037) is present in the
			BTO image.
>>>(0040,A010)	CS	Relationship Type	"HAS ACQ CONTEXT"
>>>(0040,A040)	CS	Value Type	"NUM"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"110905"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Image Orientation (Patient) Row Y"
>>>(0040,A300)	SQ	Measured Value Sequence	1
>>>(0040,08EA)	SQ	Measured Units Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"{-1:1}"
>>>>(0008,0102)	SH	Code Scheme Designator	"UCUM"
>>>>(0008,0104)	LO	Code Meaning	"{-1:1}"
>>>(0040,A30A)	DS	Numeric Value	Second value of Image Orientation Patient
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Tramerie varae	from tag (0020,0037) in image.
>>(0040,A730)	SQ	Content Sequence	The "Image Orientation (Patient) Row Z"
(*****)			sequence shall be present only if the third
			value of tag (0020,0037) is present in the
			BTO image.
>>>(0040,A010)	CS	Relationship Type	"HAS ACQ CONTEXT"
>>>(0040,A040)	CS	Value Type	"NUM"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"110906"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Image Orientation (Patient) Row Z"
>>>(0040,A300)	SQ	Measured Value Sequence	1
>>>(0040,08EA)	SQ	Measured Units Code Sequence	1
>>>>(0040,00LH)	SH	Code Value	"{-1:1}"
>>>>(0008,0100)	SH	Code Scheme Designator	"UCUM"
>>>>(0008,0102)	LO	Code Meaning	"{-1:1}"
>>>(0040,A30A)	DS	Numeric Value	Third value of Image Orientation Patient
///(UUTU,/\JU\\)	טט	Transcric value	from tag (0020,0037) in image.
>>(0040,A730)	SQ	Content Sequence	The "Image Orientation (Patient) Column
//(UUTU,A13U)) SQ	Content Sequence	X" sequence shall be present only if the
			fourth value of tag (0020,0037) is present in
			the BTO image.
>>>(0040,A010)	CS	Relationship Type	"HAS ACQ CONTEXT"
///(UU+U,AU1U)	CO	Kelationship Type	IIVD VCA COLLEVI

Section Sect	>>>(0040,A040)	CS	Value Type	"NUM"
>>>>(0008,0100) SH Code Value "110907" >>>>(0008,0102) SH Code Scheme Designator "DCM" >>>>(0040,A300) SQ Measured Value Sequence 1 >>>>(0040,08EA) SQ Measured Units Code Sequence 1 >>>>(0008,0100) SH Code Value "{-1:1}" >>>>(0008,0102) SH Code Scheme Designator "UCUM" >>>>(0040,A30A) DS Numeric Value Fourth value of Image Orientation Patient from tag (0020,0037) in image. >>(0040,A30A) DS Numeric Value The "Image Orientation (Patient) Column Y" sequence shall be present only if the fifth value of tag (0020,0037) is present in the BTO image. >>(0040,A730) SQ Content Sequence "HAS ACQ CONTEXT" >>(0040,A040) CS Value Type "NUM" >>>(0040,A040) SQ Concept-name Code Sequence 1 >>>(0040,A040) SH Code Scheme Designator "DCM" >>>(0040,A040) SH Code Scheme Designator "DCM" >>>(0040,A040) SH Code Scheme Designator "UCUM"				
>>>>(0008,0102) SH Code Scheme Designator "DCM" >>>(0008,0104) LO Code Meaning "Image Orientation (Patient) Column X" >>>(0040,A300) SQ Measured Value Sequence 1 >>>(0008,0100) SH Code Value "{-1:1}" >>>>(0008,0104) LO Code Meaning "{-1:1}" >>>>(00040,A30A) DS Numeric Value Fourth value of Image Orientation Patient from tag (0020,0037) in image. >>(0040,A730) SQ Content Sequence The "Image Orientation (Patient) Column Y" sequence shall be present only if the fifth value of tag (0020,0037) is present in the BTO image. >>(0040,A040) CS Value Type "NUM" >>(0040,A043) SQ Concept-name Code Sequence 1 >>>(0040,A043) SQ Concept-name Code Sequence 1 >>>(0040,A043) SQ Code Value "110908" >>>(00040,A043) SQ Measured Value Sequence 1 >>>(0040,A043) SQ Measured Value Sequence 1 >>>(0040,A043) SQ Measured Value Sequence 1 <				
>>>>(0008,0104) LO Code Meaning "Image Orientation (Patient) Column X" >>>(00040,A300) SQ Measured Value Sequence 1 >>>>(0008,0100) SH Code Value "{-1:1}" >>>>(0008,0102) SH Code Scheme Designator "UCUM" >>>(0040,A30A) DS Numeric Value Fourth value of Image Orientation Patient from tag (0020,0037) in image. >>(0040,A730) SQ Content Sequence The "Image Orientation (Patient) Column Y" sequence shall be present only if the fifth value of tag (0020,0037) is present in the BTO image. >>(0040,A730) CS Relationship Type "HAS ACQ CONTEXT" >>(0040,A043) SQ Concept-name Code Sequence Image Orientation (Patient) Column Y" Sequence shall be present only if the fifth value of tag (0020,0037) is present in the BTO image. >>>(0040,A043) SQ Concept-name Code Sequence Image Orientation (Patient) Column Y" Sequence Sequence >>>(0040,A043) SQ Concept-name Code Sequence Image Orientation (Patient) Column Y" Sequence Sequence >>>(0008,0104) LO Code Scheme Designator "DCM" >>>(0040,A330) SQ Measured Units Code Sequence Im				
>>>(0040,A300) SQ Measured Value Sequence 1 >>>>(0040,08EA) SQ Measured Units Code Sequence 1 >>>>(0008,0100) SH Code Value "[-1:1]" >>>>(0008,0102) SH Code Scheme Designator "UCUM" >>>>(0040,A30A) DS Numeric Value Fourth value of Image Orientation Patient from tag (0020,0037) in image. >>(0040,A730) SQ Content Sequence The "Image Orientation (Patient) Column Y" sequence shall be present only if the fifth value of tag (0020,0037) is present in the BTO image. >>(0040,A010) CS Relationship Type "HAS ACQ CONTEXT" >>(0040,A040) CS Value Type "NUM" >>>(0040,A043) SQ Concept-name Code Sequence 1 >>>(0040,A043) SQ Concept-name Code Sequence 1 >>>(0040,A040) SH Code Value "110908" >>>(0008,0102) SH Code Scheme Designator "DCM" >>>(0040,A300) SQ Measured Value Sequence 1 >>>(0040,A34) SQ Measured Value Sequence 1				
>>>>(0040,08EA) SQ Measured Units Code Sequence I >>>>(0008,0100) SH Code Value "{-1:1}" >>>>(0008,0104) LO Code Scheme Designator "UCUM" >>>>(0040,A30A) DS Numeric Value Fourth value of Image Orientation Patient from tag (0020,0037) in image. >>(0040,A730) SQ Content Sequence The "Image Orientation (Patient) Column Y" sequence shall be present only if the fifth value of tag (0020,0037) is present in the BTO image. >>>(0040,A040) CS Relationship Type "HAS ACQ CONTEXT" >>>(0040,A043) SQ Concept-name Code Sequence 1 >>>(0040,A043) SQ Code Scheme Designator "DCM" >>>(0008,0100) SH Code Scheme Designator "DCM" >>>(0008,0104) LO Code Meaning "Inage Orientation (Patient) Column Y" >>>(0040,A300) SQ Measured Value Sequence 1 >>>(0040,08EA) SQ Measured Value Sequence 1 >>>>(0040,08EA) SQ Measured Units Code Sequence 1 >>>>(0040,A3010) SH Code Value				
>>>>(0008,0100) SH Code Value "{-1:1}" >>>>(008,0102) SH Code Scheme Designator "UCUM" >>>>(0040,0104) LO Code Meaning "{-1:1}" >>>(0040,A30A) DS Numeric Value Fourth value of Image Orientation Patient from tag (0020,0037) in image. >>(0040,A730) SQ Content Sequence The "Image Orientation (Patient) Column Y" sequence shall be present only if the fifth value of tag (0020,0037) is present in the BTO image. >>(0040,A010) CS Relationship Type "NUM" >>(0040,A043) SQ Concept-name Code Sequence 1 >>>(0040,A043) SQ Concept-name Code Sequence 1 >>>(0040,A043) SQ Code Scheme Designator "DCM" >>>(0088,0102) SH Code Scheme Designator "DCM" >>>(0008,0100) SH Code Scheme Designator "Image Orientation (Patient) Column Y" >>>(0040,A300) SQ Measured Units Code Sequence 1 >>>>(0040,08EA) SQ Measured Units Code Sequence 1 >>>>(0008,0102) SH Code Value				
>>>>(0008,0102) SH Code Scheme Designator "UCUM" >>>>(0040,A30A) LO Code Meaning "[-1:1]" >>>(0040,A30A) DS Numeric Value Fourth value of Image Orientation Patient from tag (0020,0037) in image. >>(0040,A730) SQ Content Sequence The "Image Orientation (Patient) Column Y" sequence shall be present only if the fifth value of tag (0020,0037) is present in the BTO image. >>>(0040,A040) CS Value Type "NUM" >>>(0040,A043) SQ Concept-name Code Sequence 1 >>>(0040,A043) SQ Concept-name Code Sequence 1 >>>(0008,0100) SH Code Value "11998" >>>(0008,0104) LO Code Scheme Designator "DCM" >>>(0040,A300) SQ Measured Value Sequence 1 >>>>(0040,08EA) SQ Measured Units Code Sequence 1 >>>>(0008,0100) SH Code Value "[-1:1]" >>>>(00040,A300) SH Code Scheme Designator "UCUM" >>>>(00040,A30A) DS Numeric Value Fifth value of Image Orientation (Patient				
>>>>(0040,A30A) LO Code Meaning "{-1:1}" >>>(0040,A30A) DS Numeric Value Fourth value of Image Orientation Patient from tag (0020,0037) in image. >>(0040,A730) SQ Content Sequence The "Image Orientation (Patient) Column Y" sequence shall be present only if the fifth value of tag (0020,0037) is present in the BTO image. >>>(0040,A010) CS Relationship Type "HAS ACQ CONTEXT" >>>(0040,A043) SQ Concept-name Code Sequence 1 >>>(0040,A043) SQ Concept-name Code Sequence 1 >>>(0008,0100) SH Code Value "110908" >>>(0008,0102) SH Code Meaning "Image Orientation (Patient) Column Y" >>>(0040,A300) SQ Measured Value Sequence 1 >>>(0040,A300) SQ Measured Units Code Sequence 1 >>>>(0040,A300) SH Code Value "[-1:1]" >>>>(0008,0100) SH Code Scheme Designator "UCUM" >>>>(0008,0101) LO Code Meaning "[-1:1]" >>>>(0040,A30A) DS Numeric Value Fifth val				
>>>>(0040,A30A) DS Numeric Value Fourth value of Image Orientation Patient from tag (0020,0037) in image. >>(0040,A730) SQ Content Sequence The "Image Orientation (Patient) Column Y" sequence shall be present only if the fifth value of tag (0020,0037) is present in the BTO image. >>>(0040,A010) CS Relationship Type "HAS ACQ CONTEXT" >>>(0040,A040) CS Value Type "NUM" >>>(0008,0100) SH Code Value "110908" >>>(0008,0102) SH Code Scheme Designator "DCM" >>>(00040,A300) SQ Measured Value Sequence 1 >>>(0040,A300) SQ Measured Units Code Sequence 1 >>>(0040,A300) SH Code Value "[-1:1]" >>>(0040,A300) SH Code Value "[-1:1]" >>>(0008,0100) SH Code Value "[-1:1]" >>>(0008,0100) SH Code Scheme Designator "UCUM" >>>(0040,A30A) DS Numeric Value "[-1:1]" >>>(0040,A30A) DS Numeric Value The "Image Orientation (Patient) Column Z" sequence shall				
Section Sect				
>>(0040,A730) SQ Content Sequence The "Image Orientation (Patient) Column Y" sequence shall be present only if the fifth value of tag (0020,0037) is present in the BTO image. >>>(0040,A010) CS Relationship Type "HAS ACQ CONTEXT" >>>(0040,A040) CS Value Type "NUM" >>>(0040,A043) SQ Concept-name Code Sequence 1 >>>(0008,0100) SH Code Value "110908" >>>(0008,0102) SH Code Scheme Designator "DCM" >>>(0040,A300) SQ Measured Value Sequence 1 >>>(0040,08EA) SQ Measured Units Code Sequence 1 >>>>(0040,08EA) SQ Measured Units Code Sequence 1 >>>>(0008,0100) SH Code Value "[-1:1]" >>>>(0008,0102) SH Code Scheme Designator "UCUM" >>>>(00040,A30A) DS Numeric Value Fifth value of Image Orientation Patient from tag (0020,0037) in image. >>(0040,A730) SQ Content Sequence The "Image Orientation (Patient) Column Z" sequence shall be present only if the sixth value of tag (0020,0037) is present in the BTO image. <	>>>(0040,A30A)	DS	Numeric Value	
Sequence shall be present only if the fifth value of tag (0020,0037) is present in the BTO image. Sequence Sequence	(0040 4730)	00	Contract Conserved	
Signature Sign	>>(0040,A/30)	SQ	Content Sequence	
Section Sect				
>>>(0040,A010) CS Relationship Type "HAS ACQ CONTEXT" >>>(0040,A040) CS Value Type "NUM" >>>(0040,A043) SQ Concept-name Code Sequence 1 >>>(0008,0100) SH Code Value "110908" >>>(0008,0102) SH Code Scheme Designator "DCM" >>>(0040,A300) SQ Measured Value Sequence 1 >>>(0040,08EA) SQ Measured Units Code Sequence 1 >>>>(0008,0100) SH Code Value "{-1:1}" >>>>(0008,01010) SH Code Scheme Designator "UCUM" >>>>(0008,0102) SH Code Meaning "{-1:1}" >>>>(0040,A30A) DS Numeric Value Fifth value of Image Orientation Patient from tag (0020,0037) in image. >>(0040,A730) SQ Content Sequence The "Image Orientation (Patient) Column Z" sequence shall be present only if the sixth value of tag (0020,0037) is present in the BTO image. >>(0040,A010) CS Relationship Type "HAS ACQ CONTEXT" >>>(0040,A040) CS Value Type "NUM"				
>>>(0040,A040) CS Value Type "NUM" >>>(0040,A043) SQ Concept-name Code Sequence 1 >>>(0008,0100) SH Code Value "110908" >>>(0008,0102) SH Code Scheme Designator "DCM" >>>(0040,A300) SQ Measured Value Sequence 1 >>>(0040,08EA) SQ Measured Units Code Sequence 1 >>>>(0008,0100) SH Code Value "{-1:1}" >>>>(008,0102) SH Code Scheme Designator "UCUM" >>>>(0040,A30A) LO Code Meaning "{-1:1}" >>>>(0040,A30A) DS Numeric Value Fifth value of Image Orientation Patient from tag (0020,0037) in image. >>(0040,A730) SQ Content Sequence The "Image Orientation (Patient) Column Z" sequence shall be present only if the sixth value of tag (0020,0037) is present in the BTO image. >>>(0040,A010) CS Relationship Type "HAS ACQ CONTEXT" >>(0040,A040) CS Value Type "NUM" >>>(0040,A043) SQ Concept-name Code Sequence 1 >>	(0040 4010)	CC	Deleties die Ton	
>>>(0040,A043) SQ Concept-name Code Sequence 1 >>><0008,0100)				
>>>>(0008,0100) SH Code Value "110908" >>>>(0008,0102) SH Code Scheme Designator "DCM" >>>>(0008,0104) LO Code Meaning "Image Orientation (Patient) Column Y" >>>(0040,A300) SQ Measured Value Sequence 1 >>>(0040,08EA) SQ Measured Units Code Sequence 1 >>>>(0008,0100) SH Code Value "{-1:1}" >>>>(0008,0102) SH Code Scheme Designator "UCUM" >>>>(0040,A30A) DS Numeric Value Fifth value of Image Orientation Patient from tag (0020,0037) in image. >>(0040,A730) SQ Content Sequence The "Image Orientation (Patient) Column Z" sequence shall be present only if the sixth value of tag (0020,0037) is present in the BTO image. >>>(0040,A010) CS Relationship Type "HAS ACQ CONTEXT" >>>(0040,A040) CS Value Type "NUM" >>>(0040,A043) SQ Concept-name Code Sequence 1 >>>(0008,0100) SH Code Value "110909" >>>(0008,0102) SH Code Scheme Designator "DCM" </td <td></td> <td></td> <td>**</td> <td>"NUM"</td>			**	"NUM"
>>>>(0008,0102) SH Code Scheme Designator "DCM" >>>>(0008,0104) LO Code Meaning "Image Orientation (Patient) Column Y" >>>(0040,A300) SQ Measured Value Sequence 1 >>>>(0040,08EA) SQ Measured Units Code Sequence 1 >>>>(0008,0100) SH Code Value "{-1:1}" >>>>(0008,0102) SH Code Scheme Designator "UCUM" >>>>(0040,A30A) DS Numeric Value Fifth value of Image Orientation Patient from tag (0020,0037) in image. >>(0040,A730) SQ Content Sequence The "Image Orientation (Patient) Column Z" sequence shall be present only if the sixth value of tag (0020,0037) is present in the BTO image. >>>(0040,A010) CS Relationship Type "HAS ACQ CONTEXT" >>>(0040,A040) CS Value Type "NUM" >>>(0040,A043) SQ Concept-name Code Sequence 1 >>>(0008,0100) SH Code Value "110909" >>>(0008,0102) SH Code Scheme Designator "DCM"		_ `	•	1
>>>>(0008,0104) LO Code Meaning "Image Orientation (Patient) Column Y" >>>(0040,A300) SQ Measured Value Sequence 1 >>>>(0040,08EA) SQ Measured Units Code Sequence 1 >>>>(0008,0100) SH Code Value "{-1:1}" >>>>(0008,0102) SH Code Scheme Designator "UCUM" >>>>(0040,A30A) LO Code Meaning "{-1:1}" >>>(0040,A30A) DS Numeric Value Fifth value of Image Orientation Patient from tag (0020,0037) in image. >>(0040,A730) SQ Content Sequence The "Image Orientation (Patient) Column Z" sequence shall be present only if the sixth value of tag (0020,0037) is present in the BTO image. >>>(0040,A010) CS Relationship Type "HAS ACQ CONTEXT" >>>(0040,A040) CS Value Type "NUM" >>>(0040,A043) SQ Concept-name Code Sequence 1 >>>(0008,0100) SH Code Value "110909" >>>(0008,0102) SH Code Scheme Designator "DCM"				
>>>(0040,A300) SQ Measured Value Sequence 1 >>>>(0040,08EA) SQ Measured Units Code Sequence 1 >>>>(0008,0100) SH Code Value "{-1:1}" >>>>(0008,0102) SH Code Scheme Designator "UCUM" >>>>(0040,A30A) DS Numeric Value Fifth value of Image Orientation Patient from tag (0020,0037) in image. >>(0040,A730) SQ Content Sequence The "Image Orientation (Patient) Column Z' sequence shall be present only if the sixth value of tag (0020,0037) is present in the BTO image. >>>(0040,A010) CS Relationship Type "HAS ACQ CONTEXT" >>>(0040,A040) CS Value Type "NUM" >>>(0040,A043) SQ Concept-name Code Sequence 1 >>>(0008,0100) SH Code Value "110909" >>>>(0008,0102) SH Code Scheme Designator "DCM"			Č	
>>>>(0040,08EA) SQ Measured Units Code Sequence 1 >>>>(0008,0100) SH Code Value "{-1:1}" >>>>(0008,0102) SH Code Scheme Designator "UCUM" >>>>>(0008,0104) LO Code Meaning "{-1:1}" >>>>(0040,A30A) DS Numeric Value Fifth value of Image Orientation Patient from tag (0020,0037) in image. >>(0040,A730) SQ Content Sequence The "Image Orientation (Patient) Column Z" sequence shall be present only if the sixth value of tag (0020,0037) is present in the BTO image. >>>(0040,A010) CS Relationship Type "HAS ACQ CONTEXT" >>>(0040,A040) CS Value Type "NUM" >>>(0040,A043) SQ Concept-name Code Sequence 1 >>>(0008,0100) SH Code Value "110909" >>>>(0008,0102) SH Code Scheme Designator "DCM"	` ' '			"Image Orientation (Patient) Column Y"
>>>>>(0008,0100) SH Code Value "{-1:1}" >>>>(0008,0102) SH Code Scheme Designator "UCUM" >>>>(0008,0104) LO Code Meaning "{-1:1}" >>>(0040,A30A) DS Numeric Value Fifth value of Image Orientation Patient from tag (0020,0037) in image. >>(0040,A730) SQ Content Sequence The "Image Orientation (Patient) Column Z" sequence shall be present only if the sixth value of tag (0020,0037) is present in the BTO image. >>>(0040,A010) CS Relationship Type "HAS ACQ CONTEXT" >>>(0040,A040) CS Value Type "NUM" >>>(0040,A043) SQ Concept-name Code Sequence 1 >>>(0008,0100) SH Code Value "110909" >>>(0008,0102) SH Code Scheme Designator "DCM"		_ `		1
>>>>>(0008,0102) SH Code Scheme Designator "UCUM" >>>>(0008,0104) LO Code Meaning "{-1:1}" >>>>(0040,A30A) DS Numeric Value Fifth value of Image Orientation Patient from tag (0020,0037) in image. >>(0040,A730) SQ Content Sequence The "Image Orientation (Patient) Column Z" sequence shall be present only if the sixth value of tag (0020,0037) is present in the BTO image. >>>(0040,A010) CS Relationship Type "HAS ACQ CONTEXT" >>>(0040,A040) CS Value Type "NUM" >>>(0040,A043) SQ Concept-name Code Sequence 1 >>>(0008,0100) SH Code Value "110909" >>>(0008,0102) SH Code Scheme Designator "DCM"		_ `	*	
>>>>>(0008,0104) LO Code Meaning "{-1:1}" >>>>(0040,A30A) DS Numeric Value Fifth value of Image Orientation Patient from tag (0020,0037) in image. >>(0040,A730) SQ Content Sequence The "Image Orientation (Patient) Column Z" sequence shall be present only if the sixth value of tag (0020,0037) is present in the BTO image. >>>(0040,A010) CS Relationship Type "HAS ACQ CONTEXT" >>>(0040,A040) CS Value Type "NUM" >>>(0040,A043) SQ Concept-name Code Sequence 1 >>>(0008,0100) SH Code Value "110909" >>>(0008,0102) SH Code Scheme Designator "DCM"				
>>>(0040,A30A) DS Numeric Value Fifth value of Image Orientation Patient from tag (0020,0037) in image. The "Image Orientation (Patient) Column Z" sequence shall be present only if the sixth value of tag (0020,0037) is present in the BTO image. >>>(0040,A010) CS Relationship Type "HAS ACQ CONTEXT" >>>(0040,A040) CS Value Type "NUM" >>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>(0008,0100) SH Code Value "110909" >>>(0008,0102) SH Code Scheme Designator "DCM"				
SQ Content Sequence The "Image Orientation (Patient) Column Z" sequence shall be present only if the sixth value of tag (0020,0037) is present in the BTO image.	>>>>(0008,0104)	LO		, ,
>>(0040,A730) SQ Content Sequence The "Image Orientation (Patient) Column Z" sequence shall be present only if the sixth value of tag (0020,0037) is present in the BTO image. >>>(0040,A010) CS Relationship Type "HAS ACQ CONTEXT" >>>(0040,A040) CS Value Type "NUM" >>>(0040,A043) SQ Concept-name Code Sequence 1 >>>(0008,0100) SH Code Value "110909" >>>(0008,0102) SH Code Scheme Designator "DCM"	>>>(0040,A30A)	DS	Numeric Value	
Z" sequence shall be present only if the sixth value of tag (0020,0037) is present in the BTO image.				
sixth value of tag (0020,0037) is present in the BTO image. >>>(0040,A010) CS Relationship Type "HAS ACQ CONTEXT" >>>(0040,A040) CS Value Type "NUM" >>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>(0008,0100) SH Code Value "110909" >>>>(0008,0102) SH Code Scheme Designator "DCM"	>>(0040,A730)	SQ	Content Sequence	
the BTO image. >>>(0040,A010) CS Relationship Type "HAS ACQ CONTEXT" >>>(0040,A040) CS Value Type "NUM" >>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>(0008,0100) SH Code Value "110909" >>>>(0008,0102) SH Code Scheme Designator "DCM"				
>>>(0040,A010) CS Relationship Type "HAS ACQ CONTEXT" >>>(0040,A040) CS Value Type "NUM" >>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>(0008,0100) SH Code Value "110909" >>>(0008,0102) SH Code Scheme Designator "DCM"				
>>>(0040,A040) CS Value Type "NUM" >>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>(0008,0100) SH Code Value "110909" >>>>(0008,0102) SH Code Scheme Designator "DCM"				
>>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>(0008,0100) SH Code Value "110909" >>>>(0008,0102) SH Code Scheme Designator "DCM"				
>>>(0008,0100) SH Code Value "110909" >>>>(0008,0102) SH Code Scheme Designator "DCM"			· 1	"NUM"
>>>(0008,0102) SH Code Scheme Designator "DCM"			•	
(0000 0104)	>>>(0008,0102)	SH	Code Scheme Designator	
>>>>(0008,0104) LO Code Meaning "Image Orientation (Patient) Column Z"	>>>(0008,0104)	LO	Code Meaning	"Image Orientation (Patient) Column Z"
>>>(0040,A300) SQ Measured Value Sequence 1	>>>(0040,A300)	SQ	Measured Value Sequence	1
>>>>(0040,08EA) SQ Measured Units Code Sequence 1	>>>>(0040,08EA)	SQ	Measured Units Code Sequence	1
>>>>(0008,0100) SH Code Value "{-1:1}"	>>>>(0008,0100)		Code Value	"{-1:1}"
>>>>(0008,0102) SH Code Scheme Designator "UCUM"	>>>>(0008,0102)	SH	Code Scheme Designator	"UCUM"
>>>>(0008,0104) LO Code Meaning "{-1:1}"	>>>>(0008,0104)	LO	Code Meaning	"{-1:1}"
>>>>(0040,A30A) DS Numeric Value Sixth value of Image Orientation Patient	>>>(0040,A30A)	DS	Numeric Value	Sixth value of Image Orientation Patient
from tag (0020,0037) in image.				

Table 52 - Mammography CAD Overall Impression / Recommendation (TID 4000, TID 4001)

Group and Element	VR	Description	Value
>(0040,A010)	CS	Relationship Type	"CONTAINS"
>(0040,A040)	CS	Value Type	"CODE"

>(0040,A043)	SQ	Concept-name Code Sequence	1
>>(0008,0100)	SH	Code Value	"111017"
>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>(0008,0104)	LO	Code Meaning	"CAD Processing and Findings Summary"
>(0040,A168)	SQ	Concept Code Sequence	From Context ID 4015 in the DICOM
			Standard
>>(0008,0100)	SH	Code Value	"111241" (All algorithms succeeded;
			without findings), "111242" (All algorithms
			succeeded; with findings), "111243" (Not
			all algorithms succeeded; without findings),
			"111244" (Not all algorithms succeeded;
			with findings), or "111245" (no algorithms
			succeeded; without findings).
			Note: This can be configured such that calc
			and density findings are considered the only
			findings.
>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>(0008,0104)	LO	Code Meaning	All algorithms succeeded; without findings,
			All algorithms succeeded; with findings,
			Not all algorithms succeeded; without
			findings,
			Not all algorithms succeeded; with findings.
			Or
> (0040, 4.720)	60	Contant Coguence	No algorithms succeeded; without findings.
>(0040,A730)	SQ	Content Sequence	Repeat for number of successful images processed in study.
			Note: This can be configured to iterate
			based on number of detections instead of
			number of images.
			Note: Insert TID 4002 if breast density
			assessment values are enabled. See Table
			53
>>(0040,A010)	CS	Relationship Type	"INFERRED FROM"
>>(0040,A040)	CS	Value Type	"CONTAINER"
>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"111034"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Individual Impression/Recommendation"
>>(0040,A050)	CS	Continuity of Content	"SEPARATE"
>>(0040,A730)	SQ	Content Sequence	Repeat for Rendering Intent and number of
400 :- :-			single image findings.
>>>(0040,A010)	CS	Relationship Type	"HAS CONCEPT MOD"
>>>(0040,A040)	CS	Value Type	"CODE"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"111056"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Rendering Intent"
>>>(0040,A168)	SQ	Concept Code Sequence	1
>>>(0008,0100)	SH	Code Value	"111150" or "111151" or "111152"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Presentation Required: Rendering device is
			expected to present" or "Presentation
			Optional: Rendering device may present" or
			"Not for Presentation: Rendering device
			expected not to present"

>>>(0040,A010)	CS	Relationship Type	"CONTAINS"
>>>(0040,A040)	CS	Value Type	"CODE"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0040,71043)	SH	Code Value	"111059" or "111015"
>>>(0008,0100)	SH	Code Scheme Designator	"DCM"
>>>(0008,0102)	LO	Code Meaning	"Single Image Finding" or "Composite
///(0000,0104)	LO	Code Meaning	Feature"
>>>(0040,A168)	SQ	Concept Code Sequence	From Context ID 6014
>>>(0010,71100)	SH	Code Value	"F-01796" (Mammography breast density),
7777 (0000;0100)		Code variae	"F-01775" (Calcification Cluster),
			"11100" (Breast geometry),
			"F-01710" (Breast composition), or
			"T-04100" (Nipple)
>>>(0008,0102)	SH	Code Scheme Designator	"SRT"
>>>(0008,0103)	SH	Code Scheme Version	"1.1" only if (0008,0104) is
			"Mammography breast density" or
			"Calcification Cluster"
>>>(0008,0104)	LO	Code Meaning	"Mammography breast density",
			"Calcification Cluster",
			"Breast geometry",
			"Breast composition", or
			"Nipple"
Use Table 54 if next			
container is "Breast			
geometry"			
Use Table 56 if next			
container is "Breast			
composition"			
II. T.1.1. 57 'C			
Use Table 57 if next			
container is "Nipple"			
Has Table 59 if nove			
Use Table 58 if next container is			
"Mammography breast			
density"			
Genoity			
Use Table 59 if next			
container is			
"Calcification Cluster"			
Use Table 60 if next			
container is "Composite			
Feature –			
Mammography Breast			
Density"			
Use Table 61 if next			
container is "Composite			
Feature – Calcification			
Cluster"			

Table 53 – Breast Density Assessment (TID 4002 Mammo CAD Body)

Group and Element	VR	Description	Value
>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>(0040,A040)	CS	Value Type	"TEXT"
>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"111033"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Impression Description"
>>(0040,A160)	UT	Text Value	"Breast Density Measurements"
>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>(0040,A040)	CS	Value Type	"TEXT"
>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"111001"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Algorithm Name"
>>(0040,A160)	UT	Text Value	"Density Assessment"
>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>(0040,A040)	CS	Value Type	"TEXT"
>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"111003"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Algorithm Version"
>>(0040,A160)	UT	Text Value	Version of the breast density
			assessment algorithm
>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>(0040,A040)	CS	Value Type	"NUM"
>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"112191"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Breast tissue density"
>>(0040,A300)	SQ	Measured Value Sequence	
>>>(0040,08EA)	SQ	Measured Units Code Sequence	
>>>(0008,0100)	SH	Code Value	%
>>>(0008,0102)	SH	Code Scheme Designator	"UCUM"
>>>(0008,0103)	SH	Code Scheme Version	1.4
>>>(0008,0104)	LO	Code Meaning	"Percent"
>>>(0040,A30A)	DS	Numeric Value	Computed value
>>>(0040,A010)	CS	Relationship Type	"HAS CONCEPT MOD"
>>>(0040,A040)	CS	Value Type	"CODE"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"G-C171"
>>>(0008,0102)	SH	Code Scheme Designator	"SRT"
>>>(0008,0104)	LO	Code Meaning	"Laterality"
>>>(0040,A168)	SQ	Concept Code Sequence	
>>>(0008,0100)	SH	Code Value	"T-04030"
>>>(0008,0102)	SH	Code Scheme Designator	"SNM3"
>>>(0008,0104)	LO	Code Meaning	"Left breast"
>>>(0040,A010)	CS	Relationship Type	"HAS CONCEPT MOD"
>>>(0040,A040)	CS	Value Type	"CODE"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"121401"

(0000 0100)	T GTT		(7) (7) (1)
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Derivation"
>>>(0040,A168)	SQ	Concept Code Sequence	
>>>(0008,0100)	SH	Code Value	"112188"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Two-dimensional method"
>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>(0040,A040)	CS	Value Type	"NUM"
>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"112192"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Dense Area"
>>(0040,A300)	SQ	Measured Value Sequence	
>>>(0040,08EA)	SQ	Measured Units Code Sequence	
>>>(0008,0100)	SH	Code Value	cm2
>>>(0008,0102)	SH	Code Scheme Designator	"UCUM"
>>>(0008,0103)	SH	Code Scheme Version	1.4
>>>(0008,0104)	LO	Code Meaning	"Square centimeter"
>>>(0040,A30A)	DS	Numeric Value	Computed value
>>(0040,A730)	SQ	Content Sequence	-
>>>(0040,A010)	CS	Relationship Type	"HAS CONCEPT MOD"
>>>(0040,A040)	CS	Value Type	"CODE"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"G-C171"
>>>(0008,0102)	SH	Code Scheme Designator	"SRT"
>>>(0008,0104)	LO	Code Meaning	"Laterality"
>>>(0040,A168)	SQ	Concept Code Sequence	
>>>(0008,0100)	SH	Code Value	"T-04030"
>>>(0008,0102)	SH	Code Scheme Designator	"SNM3"
>>>(0008,0104)	LO	Code Meaning	"Left breast"
>>>(0040,A010)	CS	Relationship Type	"HAS CONCEPT MOD"
>>>(0040,A040)	CS	Value Type	"CODE"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"121401"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Derivation"
>>>(0040,A168)	SQ	Concept Code Sequence	Berryanon
>>>(0008,0100)	SH	Code Value	"112188"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Two-dimensional method"
>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>(0040,R010) >>(0040,A040)	CS	Value Type	"NUM"
>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>(0040,7043)	SH	Code Value	"112193"
>>(0008,0100)	SH	Code Scheme Designator	"DCM"
>>(0008,0102)	LO	Code Meaning	"Breast Area"
>>(0008,0104) >>(0040,A300)	SQ	Measured Value Sequence	Dicast Aica
>>(0040,A300) >>>(0040,08EA)	SQ	Measured Units Code Sequence	
	SH	Code Value	cm2
>>>(0008,0100)			cm2 "UCUM"
>>>(0008,0102)	SH	Code Scheme Designator	
>>>(0008,0103)	SH	Code Scheme Version	1.4
>>>(0008,0104)	LO	Code Meaning	"Square centimeter"
>>>(0040,A30A)	DS	Numeric Value	Computed value

>> (0040_A720)	50	Contant Saguanas	
>>(0040,A730)	SQ	Content Sequence	"TLAC CONCEPT MOD"
>>>(0040,A010)	CS	Relationship Type	"HAS CONCEPT MOD"
>>>(0040,A040)	CS	Value Type	"CODE"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1 "C C171"
>>>(0008,0100)	SH	Code Value	"G-C171" "SRT"
>>>(0008,0102)	SH	Code Scheme Designator	
>>>(0008,0104)	LO	Code Meaning	"Laterality"
>>>(0040,A168)	SQ	Concept Code Sequence	(FF 0 4020))
>>>(0008,0100)	SH	Code Value	"T-04030"
>>>(0008,0102)	SH	Code Scheme Designator	"SNM3"
>>>(0008,0104)	LO	Code Meaning	"Left breast"
>>>(0040,A010)	CS	Relationship Type	"HAS CONCEPT MOD"
>>>(0040,A040)	CS	Value Type	"CODE"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"121401"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Derivation"
>>>(0040,A168)	SQ	Concept Code Sequence	
>>>(0008,0100)	SH	Code Value	"112188"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Two-dimensional method"
>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>(0040,A040)	CS	Value Type	"NUM"
>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"112191"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Breast tissue density"
>>(0040,A300)	SQ	Measured Value Sequence	
>>>(0040,08EA)	SQ	Measured Units Code Sequence	
>>>(0008,0100)	SH	Code Value	%
>>>(0008,0102)	SH	Code Scheme Designator	"UCUM"
>>>(0008,0103)	SH	Code Scheme Version	1.4
>>>(0008,0104)	LO	Code Meaning	"Percent"
>>>(0040,A30A)	DS	Numeric Value	Computed value
>>>(0040,A010)	CS	Relationship Type	"HAS CONCEPT MOD"
>>>(0040,A040)	CS	Value Type	"CODE"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"G-C171"
>>>(0008,0102)	SH	Code Scheme Designator	"SRT"
>>>(0008,0104)	LO	Code Meaning	"Laterality"
>>>(0040,A168)	SQ	Concept Code Sequence	·
>>>(0008,0100)	SH	Code Value	"T-04020"
>>>(0008,0102)	SH	Code Scheme Designator	"SNM3"
>>>(0008,0104)	LO	Code Meaning	"Right breast"
>>>(0040,A010)	CS	Relationship Type	"HAS CONCEPT MOD"
>>>(0040,A040)	CS	Value Type	"CODE"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"121401"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Derivation"
>>>(0040,A168)	SQ	Concept Code Sequence	
>>>(0008,0100)	SH	Code Value	"112188"
>>>(0008,0100)	SH	Code Scheme Designator	"DCM"
(5000,0102)	511	2000 Sellellio Designator	D 0111

>>>(0008,0104)	LO	Code Meaning	"Two-dimensional method"
>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>(0040,A010) >>(0040,A040)	CS	Value Type	"NUM"
		Concept-name Code Sequence	
>>(0040,A043)	SQ SH	Code Value	1 "112192"
>>>(0008,0100)			"DCM"
>>>(0008,0102)	SH	Code Scheme Designator	
>>>(0008,0104)	LO	Code Meaning	"Dense Area"
>>(0040,A300)	SQ	Measured Value Sequence	
>>>(0040,08EA)	SQ	Measured Units Code Sequence	2
>>>(0008,0100)	SH	Code Value	cm2
>>>(0008,0102)	SH	Code Scheme Designator	"UCUM"
>>>>(0008,0103)	SH	Code Scheme Version	1.4
>>>(0008,0104)	LO	Code Meaning	"Square centimeter"
>>>(0040,A30A)	DS	Numeric Value	Computed value
>>(0040,A730)	SQ	Content Sequence	
>>>(0040,A010)	CS	Relationship Type	"HAS CONCEPT MOD"
>>>(0040,A040)	CS	Value Type	"CODE"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"G-C171"
>>>(0008,0102)	SH	Code Scheme Designator	"SRT"
>>>(0008,0104)	LO	Code Meaning	"Laterality"
>>>(0040,A168)	SQ	Concept Code Sequence	
>>>(0008,0100)	SH	Code Value	"T-04020"
>>>(0008,0102)	SH	Code Scheme Designator	"SNM3"
>>>(0008,0104)	LO	Code Meaning	"Right breast"
>>>(0040,A010)	CS	Relationship Type	"HAS CONCEPT MOD"
>>>(0040,A040)	CS	Value Type	"CODE"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"121401"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Derivation"
>>>(0040,A168)	SQ	Concept Code Sequence	
>>>(0008,0100)	SH	Code Value	"112188"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Two-dimensional method"
>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>(0040,A040)	CS	Value Type	"NUM"
>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"112193"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Breast Area"
>>(0040,A300)	SQ	Measured Value Sequence	
>>>(0040,08EA)	SQ	Measured Units Code Sequence	
>>>(0008,0100)	SH	Code Value	cm2
>>>(0008,0102)	SH	Code Scheme Designator	"UCUM"
>>>(0008,0102)	SH	Code Scheme Version	1.4
>>>(0008,0103)	LO	Code Meaning	"Square centimeter"
>>>(0040,A30A)	DS	Numeric Value	Computed value
>>(0040,A30A)	SQ	Content Sequence	computed variety
>>(0040,A730)	CS	Relationship Type	"HAS CONCEPT MOD"
>>>(0040,A010)	CS	Value Type	"CODE"
>>>(0040,A040)	SQ	Concept-name Code Sequence	1
>>>(0040,A043) >>>>(0008,0100)	SH	Code Value	"G-C171"
///(UUU8,U1UU)	эп	Code value	U-C1/1

>>>(0008,0102)	SH	Code Scheme Designator	"SRT"
>>>(0008,0102)	LO	Code Meaning	"Laterality"
>>>(0040,A168)	SQ	Concept Code Sequence	Lateranty
>>>(0040,A108)	SH	Code Value	"T-04020"
>>>(0008,0100)	SH	Code Scheme Designator	"SNM3"
>>>(0008,0102)	LO	Code Meaning	"Right breast"
>>>(0040,A010)	CS	Relationship Type	"HAS CONCEPT MOD"
>>>(0040,A010)	CS	Value Type	"CODE"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0040,A043) >>>>(0008,0100)	SH	Code Value	"121401"
>>>(0008,0100)	SH	Code Scheme Designator	"DCM"
, , ,			"Derivation"
>>>(0008,0104)	LO	Code Meaning	Derivation
>>>(0040,A168)	SQ	Concept Code Sequence	#110100V
>>>(0008,0100)	SH	Code Value	"112188"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Two-dimensional method"
>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>(0040,A040)	CS	Value Type	"CODE"
>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"F-01710"
>>>(0008,0102)	SH	Code Scheme Designator	"SRT"
>>>(0008,0104)	LO	Code Meaning	"Breast composition"
>>>(0040,A168)	SQ	Concept Code Sequence	
>>>(0008,0100)	SH	Code Value	"F-01711",
			"F-01712",
			"F-01713",
			"F-01714",
>>>(0008,0102)	SH	Code Scheme Designator	"SRT"
>>>(0008,0104)	LO	Code Meaning	"Almost entirely fat",
			"Scattered fibroglandular densities",
			"Heterogeneously dense",
			"Extremely dense"
>>>(0040,A010)	CS	Relationship Type	"HAS CONCEPT MOD"
>>>(0040,A040)	CS	Value Type	"CODE"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"121401"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Derivation"
>>>(0040,A168)	SQ	Concept Code Sequence	
>>>(0008,0100)	SH	Code Value	"112188"
>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Two-dimensional method"

Table 54 – Single Image Finding Breast Geometry (TID 4006, TID 4019, TID 4008)

Group and Element	VR	Description	Value
>>>(0040,A730)	SQ	Content Sequence	Repeat for Rendering Intent,
		_	Algorithm Name, Algorithm Version,
			Breast Outline and Pectoral Outline
>>>(0040,A010)	CS	Relationship Type	"HAS CONCEPT MOD"
>>>(0040,A040)	CS	Value Type	"CODE"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111056"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Rendering Intent"
>>>(0040,A168)	SQ	Concept Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111151"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Presentation Optional: Rendering device may present"
>>>(0040,A730)	SQ	Content Sequence	1
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"TEXT"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111001"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Algorithm Name"
>>>(0040,A160)	UT	Text Value	"iCAD PowerLook"
>>>(0040,A730)	SQ	Content Sequence	1
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"TEXT"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111003"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Algorithm Version"
>>>(0040,A160)	UT	Text Value	"Premier"
>>>(0040,A730)	SQ	Content Sequence	1
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"TEXT"
>>>(0040,A043)	SQ	Concept Name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111002"
>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Algorithm Parameters"
>>>(0040,A160)	UT	Text Value	"Static" or "Dynamic" depending on
			operating point setting
>>>(0040,A730)	SQ	Content Sequence	1
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"SCOORD"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111007"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Breast Outline Including Pectoral Muscle Tissue"
>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,A010)	CS	Relationship Type	"SELECTED FROM"

>>>>(0040,DB73)	UL	Referenced Content Item Identifier	Reference to image, based on node
			position (x, y, z) in the image library.
>>>(0070,0022)	FL	Graphic Data	The coordinates (Column, Row) of the
			breast outline.
>>>(0070,0023)	CS	Graphic Type	"POLYLINE"
>>>(0040,A730)	SQ	Content Sequence	Sequence exists the pectoral muscle is
			found in the image
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"SCOORD"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111045" or "11107"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Pectoral Muscle Outline" or
			"Breast Outline Including Pectoral
			Muscle Tissue"
>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,A010)	CS	Relationship Type	"SELECTED FROM"
>>>>(0040,DB73)	UL	Referenced Content Item Identifier	Reference to image, based on node
			position (x, y, z) in the image library.
>>>(0070,0022)	FL	Graphic Data	The coordinates (Column, Row) of the
			pectoral muscle.
>>>(0070,0023)	CS	Graphic Type	"POLYLINE"

Table 55 – Single Image Finding Selected Region (TID 4006, TID 4019, TID 4013)

Group and Element	VR	Description	Value
>>>(0040,A730)	SQ	Content Sequence	Repeat for Rendering Intent,
			Algorithm Name, Algorithm Version,
			Breast Outline and Pectoral Outline
>>>(0040,A010)	CS	Relationship Type	"HAS CONCEPT MOD"
>>>(0040,A040)	CS	Value Type	"CODE"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111056"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Rendering Intent"
>>>(0040,A168)	SQ	Concept Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111151"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Presentation Optional: Rendering
			device may present"
>>>(0040,A730)	SQ	Content Sequence	1
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"TEXT"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111001"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Algorithm Name"
>>>(0040,A160)	UT	Text Value	"iCAD PowerLook"
>>>(0040,A730)	SQ	Content Sequence	1
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"TEXT"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1

>>>>(0008,0100)	SH	Code Value	"111003"
>>>>(0008,0100)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0102)	LO	Code Meaning	"Algorithm Version"
>>>(0040,A160)	UT	Text Value	"Premier"
>>>(0040,A730)	SQ	Content Sequence	1
>>>(0040,A730)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A010)	CS	Value Type	"TEXT"
>>>(0040,A040)	SQ	Concept Name Code Sequence	1
>>>>(0040,A043)	SH	Code Value	"111002"
>>>>(0008,0100)	SH	Coding Scheme Designator	"DCM"
>>>>(0008,0102)	LO	Code Meaning	"Algorithm Parameters"
>>>(0008,0104)	UT	Text Value	"Static" or "Dynamic" depending on
>>>>(0040,A100)	01	Text value	operating point setting
>>>(0040,A730)	SQ	Content Sequence	1
>>>(0040,A730)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A010)	CS		"SCOORD"
		Value Type	
>>>(0040,A043)	SQ	Concept-name Code Sequence	1 "111010"
>>>>(0008,0100)	SH	Code Value	
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Center"
>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,A010)	CS	Relationship Type	"SELECTED FROM"
>>>>(0040,DB73)	UL	Referenced Content Item Identifier	Reference to image, based on node
(00=0 00=0)			position (x, y, z) in the image library.
>>>(0070,0022)	FL	Graphic Data	The center point (Column, Row) of
(0.50.000)	~~		the breast.
>>>(0070,0023)	CS	Graphic Type	"POINT"
>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>>(0040,A040)	CS	Value Type	"SCOORD"
>>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111041"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Outline"
>>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,A010)	CS	Relationship Type	"SELECTED FROM"
>>>>(0040,DB73)	UL	Referenced Content Item Identifier	Reference to image, based on node
			position (x, y, z) in the image library.
>>>(0070,0022)	FL	Graphic Data	The bounding box (Column, Row) of
			the breast.
>>>(0070,0023)	CS	Graphic Type	"POLYLINE"
>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"TEXT"
>>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111058"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Selected Region Description"
>>>(0040,A160)	UT	Text Value	"Breast Bounding Box"

Table 56 – Single Image Finding Breast Composition (TID 4006, TID 4019, TID 4007)

Group and Element	VR	Description	Value
>>>(0040,A730)	SQ	Content Sequence	Repeat for Rendering Intent,
			Algorithm Name, Algorithm Version,
			Percent Glandular Tissue, Breast
			Composition, Inferred from breast
>>>(0040,A010)	CS	Relationship Type	"HAS CONCEPT MOD"
>>>(0040,A040)	CS	Value Type	"CODE"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111056"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Rendering Intent"
>>>(0040,A168)	SQ	Concept Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111151"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Presentation Optional: Rendering
			device may present"
>>>(0040,A730)	SQ	Content Sequence	1
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"TEXT"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111001"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Algorithm Name"
>>>(0040,A160)	UT	Text Value	"iCAD PowerLook"
>>>(0040,A730)	SQ	Content Sequence	1
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"TEXT"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111003"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Algorithm Version"
>>>(0040,A160)	UT	Text Value	"Premier"
>>>(0040,A730)	SQ	Content Sequence	1
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"TEXT"
>>>(0040,A043)	SQ	Concept Name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111002"
>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Algorithm Parameters"
>>>(0040,A160)	UT	Text Value	"Static" or "Dynamic" depending on
			operating point setting
>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>>(0040,A040)	CS	Value Type	"NUM"
>>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111046"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Percent Glandular Tissue" or "Percent Fibroglandular Tissue"
>>>(0040,A300)	SQ	Measured Value Sequence	1

>>>>(0040,08EA)	SQ	Measurement Units Code Sequence	1
>>>>(0008,0100)	SH	Code Value	%
>>>>(0008,0102)	SH	Code Scheme Designator	UCUM
>>>>>(0008,0103)	SH	Coding Scheme Version	1.4
>>>>>(0008,0104)	LO	Code Meaning	Percent
>>>>(0040,A30A)	DS	Numeric Value	Percent Glandular/Fibroglandular
			Tissue value
>>>(0040,A730)	SQ	Content Sequence	1
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	SQ	Concept Name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"F-01710"
>>>>(0008,0102)	SH	Coding Scheme Designator	SRT
>>>>(0008,0104)	LO	Code Meaning	"Breast Composition"
>>>(0040,A168)	SQ	Concept Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"F-01711",
			"F-01712",
			"F-01713", or
			"F-01714".
>>>>(0008,0102)	SH	Coding Scheme Designator	SRT
>>>>(0008,0104)	LO	Code Meaning	"Almost Entirely Fat",
			"Scattered Fibroglandular Densities",
			"Heterogeneously Dense", or
			"Extremely Dense".
>>>(0040,A730)	SQ	Content Sequence	1
>>>(0040,A010)	CS	Relationship Type	"INFERRED FROM"
>>>(0040,DB73)	UL	Referenced Content Item Identifier	1.3.N.2 – Node reference to Breast
			Geometry, where N is the image
			number.

Table 57 – Single Image Finding Nipple Location (TID 4006, TID 4019, TID 4021)

Group and Element	VR	Description	Value
>>>(0040,A730)	SQ	Content Sequence	Repeat for Rendering Intent,
			Algorithm Name, Algorithm Version,
			Nipple location
>>>(0040,A010)	CS	Relationship Type	"HAS CONCEPT MOD"
>>>(0040,A040)	CS	Value Type	"CODE"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111056"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Rendering Intent"
>>>(0040,A168)	SQ	Concept Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111151"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Presentation Optional: Rendering
			device may present"
>>>(0040,A730)	SQ	Content Sequence	1
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"TEXT"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111001"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Algorithm Name"

>>>(0040,A160)	UT	Text Value	"iCAD PowerLook"
>>>(0040,A730)	SQ	Content Sequence	1
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"TEXT"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111003"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Algorithm Version"
>>>(0040,A160)	UT	Text Value	"Premier"
>>>(0040,A730)	SQ	Content Sequence	1
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"TEXT"
>>>(0040,A043)	SQ	Concept Name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111002"
>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Algorithm Parameters"
>>>(0040,A160)	UT	Text Value	"Static" or "Dynamic" depending on
			operating point setting
>>>(0040,A730)	SQ	Content Sequence	1
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>>(0040,A040)	CS	Value Type	"SCOORD"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111010"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Center"
>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,A010)	CS	Relationship Type	"SELECTED FROM"
>>>>(0040,DB73)	UL	Referenced Content Item Identifier	Reference to image, based on node
			position (x, y, z) in the image library.
>>>(0070,0022)	FL	Graphic Data	X,Y location of nipple
>>>(0070,0023)	CS	Graphic Type	POINT

Table 58 – Mammography Breast Density Single Image Finding (TID 4006, TID 4019, TID 4021, TID 4011, TID 1400)

Group and Element	VR	Description	Value
>>>(0040,A730)	SQ	Content Sequence	Repeat for:
			Rendering Intent,
			Tracking Identifier,
			Algorithm Name,
			Algorithm Version,
			Algorithm Parameters,
			Certainty of Finding,
			Center,
			Outline,
			Outer limits of fuzzy margin,
			Long axis (Diameter),
			Distance from nipple,
			Distance from chest wall,
			Area,
			Selected Region Description (CAD
			iNSIGHT).
>>>(0040,A010)	CS	Relationship Type	"HAS CONCEPT MOD"

>>>>(0040,A040)	CS	Value Type	"CODE"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0040,A043)	SH	Code Value	"111056"
>>>>(0008,0100)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0102)	LO	Code Meaning	"Rendering Intent"
>>>(0006,0104)	SQ	Concept Code Sequence	1
>>>>(0040,A108)	SH	Code Value	"111150" or "111151" or "111152"
>>>>(0008,0100)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0102)	LO	Code Meaning	"Presentation Required: Rendering
(0008,0104)	LO	Code Weaming	device is expected to present" or
			"Presentation Optional: Rendering
			device may present". Presentation
			Optional values will only exist if
			dynamic operating point is enabled and
			the detection is only found on a subset of
			operating points. The value "Not for
			Presentation: Rendering device expected
			not to present" shall be used for findings
			in BTO objects for the Tomo Detection
			1.x algorithm and will have the
			(0018,1020) Software Versions Value4
			field populated with "BLEND".
>>>(0040,A730)	SQ	Content Sequence	Only populate sequence if detection is
			presentation optional
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"NUM"
>>>>(0040,A043)	SQ	Concept Name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111071"
>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>>(0008,0104)	LO	Code Meaning	CAD Operating Point
>>>>(0040,A300)	SQ	Measured Value Sequence	1
>>>>(0040,08EA)	SQ	Measurement Units Code Sequence	1
>>>>>(0008,0100)	SH	Code Value	"{1:2}"
>>>>>(0008,0102)	SH	Coding Scheme Designator	"UCUM"
>>>>>(0008,0103)	SH	Code Scheme Version	1.4
>>>>>(0008,0104)	LO	Code Meaning	Range: 1:2
>>>>(0040,A30A)	LO	Numeric Value	Operating point range value at which
(00.40, 4.720)	0.0	G	detection was found
>>>(0040,A730)	SQ	Content Sequence	Sequence exists if the tracking identifier
>>> (0040 4010)	CC	Deletie melcie Terre	feature is enabled.
>>>(0040,A010)	CS	Relationship Type	"HAS OBS CONTEXT"
>>>(0040,A040)	CS	Value Type	"TEXT" "112039"
>>>>(0008,0100)	SH	Code Value	
>>>>(0008,0102)	SH	Code Magning	"DCM" Tracking Identifier
>>>>(0008,0104) >>>>(0040,A160)	LO	Code Meaning Text Value	Tracking Identifier Unique number per assessing and to a
>>>>(UU4U,A16U)	UT	Text value	Unique number per case assigned to a detection. A composite object will share
			the same tracking identifier.
>>>(0040,A730)	SQ	Content Sequence	1
>>>(0040,A730)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A010)	CS	Value Type	"TEXT"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0040,A043)	SH	Code Value	"111001"
>>>>(0008,0100)	SH	Code Scheme Designator	"DCM"
////(0000,0104)	SII	Code Scheme Designator	DCIVI

>>>>(0008,0104)	LO	Code Meaning	"Algorithm Name"
>>>(0040,A160)	UT	Text Value	Mammo CAD:
			"iCAD PowerLook"
			Tomo Detection:
			"Tomo CAD for Concurrent Read" for
			Tomo Detection 1.x
			"Tomo Detection" for 2.x
>>>(0040,A730)	SQ	Content Sequence	1
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"TEXT"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111003"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Algorithm Version"
>>>(0040,A160)	UT	Text Value	Mammo CAD:
			"7.2-Z" or "Premier-Z", where Z equals
			the operating point.
			L = Low Op Point
			M = Medium Op Point
			H = High Op Point
			D = Dynamic Op Point
			Tomo Detection:
			"1.1.2.0" for Tomo Detection 1.0
			"2.x.x.x-Y" for Tomo Detection 2.0,
			where Y equals the operating point.
			L = Low Op Point
			M = Medium Op Point
			H = High Op Point
			D = Dynamic Op Point
			b by manne of rount
>>>(0040,A730)	SQ	Content Sequence	1
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"TEXT"
>>>(0040,A043)	SQ	Concept Name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111002"
>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Algorithm Parameters"
>>>(0040,A160)	UT	Text Value	"Static" or "Dynamic" depending on
			operating point setting, if enabled
>>>(0040,A730)	SQ	Content Sequence	Sequence exists if the Certainty of
			Finding feature is enabled.
>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"NUM"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111012"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Certainty of Finding"
>>>>(0040,A300)	SQ	Measured Value Sequence	1
>>>>(0040,08EA)	SQ	Measurement Units Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"%"
>>>>(0008,0102)	SH	Code Scheme Designator	"UCUM"
>>>>(0008,0103)	SH	Code Scheme Version	"1.4"

>>>>(0008,0104)	LO	Code Meaning	"Percent"
>>>>(0040,A30A)	DS	Numeric Value	Certainty of Finding percentage value of
////(00 4 0,A30A)	DS	Numeric value	detection
>>>(0040,A730)	SQ	Content Sequence	1
>>>(0040,A730)	CS	Relationship Type	"HAS PROPERTIES"
	CS	* **	"SCOORD"
>>>(0040,A040)		Value Type	
>>>(0040,A043)	SQ	Concept-name Code Sequence	1 "111010"
>>>>(0008,0100)	SH	Code Value	"111010"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Center"
>>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,A010)	CS	Relationship Type	"SELECTED FROM"
>>>>(0040,DB73)	UL	Referenced Content Item Identifier	Reference to image, based on node
			position (x, y, z) in the image library.
>>>(0070,0022)	FL	Graphic Data	The coordinates (Column, Row) of the
			center point of the detection.
>>>(0070,0023)	CS	Graphic Type	"POINT"
>>>(0040,A730)	SQ	Content Sequence	1
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"SCOORD"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111041"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Outline"
>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,A010)	CS	Relationship Type	"SELECTED FROM"
>>>>(0040,DB73)	UL	Referenced Content Item Identifier	Reference to image, based on node
, , ,			position (x, y, z) in the image library.
>>>(0070,0022)	FL	Graphic Data	The coordinates that define the outline
(**** (********************************			of the detection. If Graphic Type
			(0070,0023) is "ELLIPSE" then there
			shall exist four pixel (column, row)
			pairs, the first two points specifying the
			endpoints of the major axis and the
			second two points specifying the
			endpoints of the minor axis. If Graphic
			Type (0070,0023) is "POLYLINE", then
			a list of points (column, row pairs) will
			be given where straight lines are to be
			drawn from each point and the first and
			last vertices are equal to enclose the
			detection.
>>>(0070,0023)	CS	Graphic Type	"ELLIPSE" if showing standard marker
			for density. "POLYLINE" if showing
			detailed contour of density.
>>>(0040,A730)	SQ	Content Sequence	Sequence exists only if the secondary
		1	graphic feature is enabled.
>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>>(0040,A040)	CS	Value Type	"SCOORD"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"113663"
>>>>(0008,0100)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0102)	LO	Code Meaning	"Outer limits of fuzzy margin"
>>>(0008,0104)	SQ	Content Sequence	1
////(UUTU,/1/JU)	שע	Content bequeitee	_ ±

>>>>(0040,A010)	CS	Relationship Type	"SELECTED FROM"
>>>>(0040,DB73)	UL	Referenced Content Item Identifier	Reference to image, based on node
(0010,2213)		The state of the s	position (x, y, z) in the image library.
>>>(0070,0022)	FL	Graphic Data	A list of points (column, row pairs) will
(0070,0022)		Grapine Bata	be given where straight lines are to be
			drawn from each point and the first and
			last vertices are equal to enclose the
			detection.
>>>(0070,0023)	CS	Graphic Type	"POLYLINE"
>>>(0040,A730)	SQ	Content Sequence	Sequence exists only if density diameter
(00 10,11/30)	٥٧	Content sequence	feature is enabled.
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"NUM"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"G-A185"
>>>>(0008,0102)	SH	Code Scheme Designator	"SNM3"
>>>>(0008,0104)	LO	Code Meaning	"Long Axis"
>>>(0040,A300)	SQ	Measured Value Sequence	1
>>>>(0040,08EA)	SQ	Measured Units Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"mm" or "cm"
>>>>(0008,0102)	SH	Code Scheme Designator	"1.4"
>>>>(0008,0103)	SH	Code Scheme Version	"UCUM"
>>>>(0008,0104)	LO	Code Meaning	"millimeter" or "centimeter"
>>>>(0040,A30A)	DS	Numeric Value	Maximum diameter of density in
/////(0010,/130/1)		Trumerie varae	millimeters or centimeters.
>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,A010)	CS	Relationship Type	"INFERRED FROM"
>>>>(0040,A040)	CS	Value Type	"SCOORD"
>>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>>(0008,0100)	SH	Code Value	"121055"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Path"
>>>>(0040,A730)	SQ	Content Sequence	1
>>>>>(0040,A010)	CS	Relationship Type	"SELECTED FROM"
>>>>>(0040,DB73)	UL	Referenced Content Item Identifier	Reference to image, based on node
			position (x, y, z) in the image library.
>>>>(0070,0022)	FL	Graphic Data	The coordinates that define the long axis
			of the density. It shall exist as two pixel
			(column, row) pairs, the first two points
			specifying one endpoints of the long axis
			and the second two points specifying the
			other endpoints of the long axis.
>>>>(0070,0023)	CS	Graphic Type	"POLYLINE"
>>>(0040,A730)	SQ	Content Sequence	Sequence exists only if the distance from
			nipple feature is enabled.
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"NUM"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"121242"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Distance from nipple"
>>>(0040,A300)	SQ	Measured Value Sequence	1
>>>>(0040,08EA)	SQ	Measured Units Code Sequence	1
>>>>>(0008,0100)	SH	Code Value	"mm" or "cm"

SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS	>>>>>(0008,0102)	SH	Code Scheme Designator	"UCUM"
Sequence				
SSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSSS				
SSSS SQUADA, A730 SQ Content Sequence 1	(00 10,713071)	Do	Trumerie value	
SSSS SOURCE SOU	>>>(0040 A730)	SO	Content Sequence	
SSSSON SSSSON SSSSON SSSSSON SSSSSON SSSSSON SSSSSSON SSSSSSON SSSSSSON SSSSSSSSSS				
>>>>(0040,A043) SQ Concept-name Code Sequence I >>>>(0088,0100) SH Code Value "121055" >>>>(0008,0104) SH Code Scheme Designator "DCM" >>>>(0040,A730) SQ Content Sequence 1 >>>>(0040,A010) CS Relationship Type "SELECTED FROM" >>>>(0070,0022) FL Graphic Data The coordinates that define the distance from the nipple to the density. It shall exist as two pixel (column, row) pairs, the first two points specifying one endpoint, which is the density. >>>(0070,0022) CS Graphic Type "POLYLINE" >>>(0070,0023) CS Graphic Type "POLYLINE" >>>(0040,A730) SQ Content Sequence Sequence exists only if the distance from the second two points specifying one endpoint, which is the density. >>>(0040,A040) CS Relationship Type "HAS PROPERTIES" >>>(0040,A040) CS Relationship Type "HAS PROPERTIES" >>>(0040,A040) SQ Concept-name Code Sequence 1 >>>(0040,A040) SH Code Value "121244" >>>(0008,0100)				
SSSSS Code SH	, , ,		**	
SSSSS COUNTS SH			· •	
Section Sect	, , , ,			
>>>>(0040,A730) SQ Content Sequence 1 >>>>(0040,A010) CS Relationship Type "SELECTED FROM" >>>>(0040,DB73) UL Referenced Content Item Identifier Reference to image, based on node position (x, y, z) in the image library. >>>>(0070,0022) FL Graphic Data The coordinates that define the distance from the nipple to the density. It shall exist as two pixel (column, row) pairs, the first two points specifying one endpoint, which is the nipple and the second two points specifying the other endpoint, which is the density. >>> \$\text{0040,A030}\$ SQ Content Sequence Sequence exists only if the distance from chest wall feature is enabled. >>> \$\text{0040,A040}\$ CS Relationship Type "HAS PROPERTIES" >>> \$\text{0040,A040}\$ SQ Concept-name Code Sequence 1 >>>> \$\text{0040,A043}\$ SQ Concept-name Code Sequence 1 >>>> \$\text{0040,A043}\$ SQ Code Value "121244" >>>> \$\text{0040,A043}\$ SQ Measured Value Sequence 1 >>>> \$\text{0040,A300}\$ SQ Measured Value Sequence 1	, , , ,		Č	
>>>>>(0040,A010) CS Relationship Type "SELECTED FROM" >>>>>(0040,DB73) UL Referenced Content Item Identifier Reference to image, based on node position (x, y, z) in the image library. >>>>(0070,0022) FL Graphic Data The coordinates that define the distance from the nipple to the density. It shall exist as two pixel (column, row) pairs, the first two points specifying one endpoint, which is the nipple and the second two points specifying one endpoint, which is the density. >>>>(0070,0023) CS Graphic Type "POLYLINE" >>>(0040,A730) SQ Content Sequence Sequence exists only if the distance from chest wall feature is enabled. >>>(0040,A010) CS Relationship Type "HAS PROPERTIES" >>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>(0008,0100) SH Code Value "121244" >>>>(0008,0102) SH Code Scheme Designator "DCM" >>>>(0040,A300) SQ Measured Units Code Sequence 1 >>>>(0040,A300) SH Code Scheme Designator "UCUM" >>>>(0008,0103) SH Code Scheme Designator "UCUM" >>>>(0040,A300)<				
Separate				
Some content of the designation of the designatio				
Sequence exists only if the distance from the nipple to the density. It shall exist as two pixel (column, row) pairs, the first two points specifying one endpoint, which is the nipple and the second two points specifying one endpoint, which is the density. Sequence exist as two pixel (column, row) pairs, the first two points specifying one endpoint, which is the nipple and the second two points specifying the other endpoint, which is the density. Sequence exists only if the distance from the chest wall feature is enabled. Sequence exists only if the distance from the chest wall feature is enabled. Sequence exists only if the distance from the chest wall feature is enabled. Sequence exists only if the distance from the chest wall feature is enabled. Sequence exists only if the distance from the density in millimeters. Sequence in the densi	///////(00 1 0,DD/3)	OL	Referenced Content Item Identifier	
from the nipple to the density. It shall exist as two pixel (column, row) pairs, the first two points specifying one endpoint, which is the nipple and the second two points specifying the other endpoint, which is the nipple and the second two points specifying the other endpoint, which is the density. >>>>(0040,A730) SQ Content Sequence Sequence exists only if the distance fron chest wall feature is enabled. >>>(0040,A010) CS Relationship Type "HAS PROPERTIES" >>>(0040,A040) CS Value Type "NUM" >>>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>(0080,0102) SH Code Value "121244" >>>>(0080,0102) SH Code Scheme Designator "DCM" >>>>(0040,A300) SQ Measured Value Sequence 1 >>>>(0040,A300) SH Code Value "mm" or "cm" >>>>>(008,0103) SH Code Scheme Designator "UCUM" >>>>>(0008,0104) LO Code Meaning "millimeter" or "centimeter" >>>>(0040,A30A) DS Numeric Value Distance from the chest wall to the density in millimeters. 1 >>>(0040,A730) SQ Content Sequence 1 >>>>(0040,A730) SQ Content Sequence 1 >>>>(0040,A040) CS Relationship Type "INFERED FROM" >>>>(0040,A043) SQ Content Sequence 1 >>>>(0040,A040) CS Value Type "SCOORD" >>>>(0040,A040) SH Code Value "121055" >>>>(005M,0102) SH Code Code Meaning "Path"	>>>>(0070,0022)	FI	Graphic Data	
exist as two pixel (column, row) pairs, the first two points specifying one endpoint, which is the nipple and the second two points specifying the other endpoint, which is the density. >>>>(0040,A730)	/////(0070,0022)	112	Grapine Bata	
the first two points specifying one endpoint, which is the nipple and the second two points specifying the other endpoint, which is the nipple and the second two points specifying the other endpoint, which is the density. >>>>(0040,A730) SQ Content Sequence Sequence exists only if the distance fron chest wall feature is enabled. >>>>(0040,A010) CS Relationship Type "HAS PROPERTIES" >>>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>(008,0100) SH Code Value "121244" >>>>(008,0102) SH Code Scheme Designator "DCM" >>>>(0040,A300) SQ Measured Value Sequence 1 >>>>(0040,A300) SQ Measured Units Code Sequence 1 >>>>>(0040,A300) SH Code Value "mm" or "cm" >>>>>(008,0102) SH Code Scheme Designator "UCUM" >>>>>(008,0103) SH Code Scheme Version "1,4" >>>>>(008,0103) SH Code Scheme Version "1,4" >>>>>(0040,A30A) DS Numeric Value Distance from the chest wall to the density in millimeters. >>>>(0040,A730) SQ Content Sequence 1 >>>>(0040,A730) SQ Content Sequence 1 Numeric Value Sequence Sequenc				
endpoint, which is the nipple and the second two points specifying the other endpoint, which is the density.				
>>>>(0070,0023) CS Graphic Type "POLYTINE" >>>(0040,A730) SQ Content Sequence Sequence exists only if the distance from chest wall feature is enabled. >>>(0040,A010) CS Relationship Type "HAS PROPERTIES" >>>(0040,A040) CS Value Type "NUM" >>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>(0008,0100) SH Code Value "121244" >>>>(0008,0102) SH Code Scheme Designator "DCM" >>>(0040,A300) SQ Measured Value Sequence 1 >>>>(0040,A300) SQ Measured Units Code Sequence 1 >>>>(0040,08EA) SQ Measured Units Code Sequence 1 >>>>>(0008,0100) SH Code Value "mm" or "cm" >>>>>(0008,0103) SH Code Scheme Designator "UCUM" >>>>>(0008,0103) SH Code Scheme Version "1.4" >>>>(0040,A30A) DS Numeric Value Distance from the chest wall to the density in millimeters or "centimeter" >>>>(0040,A730) SQ	1			
endpoint, which is the density.	1			
>>>>(0070,0023) CS Graphic Type "POLYLINE" >>>(0040,A730) SQ Content Sequence Sequence exists only if the distance fron chest wall feature is enabled. >>>>(0040,A010) CS Relationship Type "HAS PROPERTIES" >>>(0040,A040) CS Value Type "NUM" >>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>(0008,0100) SH Code Value "121244" >>>>(0008,0102) SH Code Scheme Designator "DCM" >>>>(0040,A300) SQ Measured Value Sequence 1 >>>>(0040,A300) SQ Measured Units Code Sequence 1 >>>>(0040,A300) SH Code Value "mm" or "cm" >>>>(0008,0102) SH Code Scheme Designator "UCUM" >>>>>(0008,0103) SH Code Scheme Version "1.4" >>>>>(0040,A30A) DS Numeric Value Distance from the chest wall to the density in millimeters. >>>(0040,A040) CS Relationship Type "INFERRED FROM" >>>>(0040,A040) CS <td< td=""><td>1</td><td></td><td></td><td></td></td<>	1			
>>>(0040,A730) SQ Content Sequence Sequence exists only if the distance from chest wall feature is enabled. >>>(0040,A010) CS Relationship Type "HAS PROPERTIES" >>>(0040,A040) CS Value Type "NUM" >>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>(0008,0100) SH Code Value "121244" >>>>(0008,0102) SH Code Scheme Designator "DCM" >>>>(0040,A300) SQ Measured Value Sequence 1 >>>>(0040,A300) SQ Measured Units Code Sequence 1 >>>>(0040,08EA) SQ Measured Units Code Sequence 1 >>>>>(0008,0100) SH Code Value "mm" or "cm" >>>>>(0008,0103) SH Code Scheme Designator "UCUM" >>>>>(0008,0103) SH Code Scheme Version "1.4" >>>>>(00040,A30A) DS Numeric Value Distance from the chest wall to the density in millimeters. >>>>(0040,A010) CS Relationship Type "INFERRED FROM" >>>>(0040,A040) CS	>>>>(0070.0023)	CS	Graphic Type	"POLYLINE"
Chest wall feature is enabled.				
>>>>(0040,A010) CS Relationship Type "HAS PROPERTIES" >>>>(0040,A040) CS Value Type "NUM" >>>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>>(0008,0100) SH Code Value "121244" >>>>>(0008,0102) SH Code Scheme Designator "DCM" >>>>(0040,A300) SQ Measured Value Sequence "Distance from chest wall" >>>>(0040,A300) SQ Measured Units Code Sequence 1 >>>>(0040,08EA) SQ Measured Units Code Sequence 1 >>>>>(0008,0100) SH Code Value "mm" or "cm" >>>>>(0008,0102) SH Code Scheme Designator "UCUM" >>>>>(0008,0103) SH Code Scheme Version "1.4" >>>>>(0040,A30A) DS Numeric Value Distance from the chest wall to the density in millimeters. >>>>(0040,A730) SQ Content Sequence 1 >>>>(0040,A040) CS Value Type "SCOORD" >>>>>(0040,A044) SQ Concept-name Code Sequence <td< td=""><td> </td><td>- (</td><td>7</td><td></td></td<>		- (7	
>>>>(0040,A040) CS Value Type "NUM" >>>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>>(0008,0100) SH Code Value "121244" >>>>>(0008,0102) SH Code Scheme Designator "DCM" >>>>>(0008,0104) LO Code Meaning "Distance from chest wall" >>>>>(0040,A300) SQ Measured Value Sequence 1 >>>>>(0040,08EA) SQ Measured Units Code Sequence 1 >>>>>(0040,08EA) SQ Measured Units Code Sequence 1 >>>>>(0008,0100) SH Code Value "mm" or "cm" >>>>>(0008,0102) SH Code Scheme Designator "UCUM" >>>>>(0008,0103) SH Code Scheme Version "1.4" >>>>>(0040,A30A) DS Numeric Value Distance from the chest wall to the density in millimeters. >>>>(0040,A30A) DS Numeric Value "Inference of the chest wall to the density in millimeters. >>>>(0040,A730) SQ Content Sequence 1 >>>>(0040,A040) CS Value	>>>>(0040,A010)	CS	Relationship Type	
>>>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>>(0008,0100) SH Code Value "121244" >>>>>(0008,0102) SH Code Scheme Designator "DCM" >>>>>(0040,A300) SQ Measured Value Sequence 1 >>>>>(0040,08EA) SQ Measured Units Code Sequence 1 >>>>>(0008,0100) SH Code Value "mm" or "cm" >>>>>(0008,0102) SH Code Scheme Designator "UCUM" >>>>>(0008,0103) SH Code Scheme Version "1.4" >>>>>(0040,A30A) DS Numeric Value Distance from the chest wall to the density in millimeters. >>>>(0040,A730) SQ Content Sequence 1 >>>>(0040,A010) CS Relationship Type "INFERRED FROM" >>>>>(0040,A040) CS Value Type "SCOORD" >>>>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>>(0008,0100) SH Code Value "121055" >>>>>(0008,0102) SH Code Scheme Designator "DCM"				
>>>>>(0008,0100) SH Code Value "121244" >>>>>(0008,0102) SH Code Scheme Designator "DCM" >>>>>(0040,A300) SQ Measured Value Sequence 1 >>>>>(0040,08EA) SQ Measured Units Code Sequence 1 >>>>>(008,0100) SH Code Value "mm" or "cm" >>>>>(0008,0102) SH Code Scheme Designator "UCUM" >>>>>(0008,0103) SH Code Scheme Version "1.4" >>>>>(0040,A30A) DS Numeric Value Distance from the chest wall to the density in millimeters. >>>>(0040,A730) SQ Content Sequence 1 >>>>(0040,A010) CS Relationship Type "INFERRED FROM" >>>>>(0040,A040) CS Value Type "SCOORD" >>>>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>>(0008,0100) SH Code Value "121055" >>>>>(0008,0104) LO Code Meaning "DCM"				1
>>>>(0008,0104) LO Code Meaning "Distance from chest wall" >>>>(0040,A300) SQ Measured Value Sequence 1 >>>>(0040,08EA) SQ Measured Units Code Sequence 1 >>>>>(0008,0100) SH Code Value "mm" or "cm" >>>>>(0008,0102) SH Code Scheme Designator "UCUM" >>>>>(0008,0103) SH Code Scheme Version "1.4" >>>>>(0008,0104) LO Code Meaning "millimeter" or "centimeter" >>>>(0040,A30A) DS Numeric Value Distance from the chest wall to the density in millimeters. >>>>(0040,A730) SQ Content Sequence 1 >>>>(0040,A010) CS Relationship Type "INFERRED FROM" >>>>(0040,A040) CS Value Type "SCOORD" >>>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>>(0008,0100) SH Code Value "121055" >>>>>(0008,0102) SH Code Scheme Designator "DCM" >>>>>(00008,0104) LO Code Meaning "Pat	>>>>(0008,0100)			"121244"
>>>>(0008,0104) LO Code Meaning "Distance from chest wall" >>>>(0040,A300) SQ Measured Value Sequence 1 >>>>(0040,08EA) SQ Measured Units Code Sequence 1 >>>>>(0008,0100) SH Code Value "mm" or "cm" >>>>>(0008,0102) SH Code Scheme Designator "UCUM" >>>>>(0008,0103) SH Code Scheme Version "1.4" >>>>>(0008,0104) LO Code Meaning "millimeter" or "centimeter" >>>>(0040,A30A) DS Numeric Value Distance from the chest wall to the density in millimeters. >>>>(0040,A730) SQ Content Sequence 1 >>>>(0040,A010) CS Relationship Type "INFERRED FROM" >>>>(0040,A040) CS Value Type "SCOORD" >>>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>>(0008,0100) SH Code Value "121055" >>>>>(0008,0102) SH Code Scheme Designator "DCM" >>>>>(00008,0104) LO Code Meaning "Pat	, , ,	SH	Code Scheme Designator	"DCM"
>>>>(0040,A300) SQ Measured Value Sequence 1 >>>>(0040,08EA) SQ Measured Units Code Sequence 1 >>>>>(0008,0100) SH Code Value "mm" or "cm" >>>>>(0008,0102) SH Code Scheme Designator "UCUM" >>>>>(0008,0103) SH Code Scheme Version "1.4" >>>>>(0008,0104) LO Code Meaning "millimeter" or "centimeter" >>>>(0040,A30A) DS Numeric Value Distance from the chest wall to the density in millimeters. >>>>(0040,A730) SQ Content Sequence 1 >>>>(0040,A010) CS Relationship Type "INFERRED FROM" >>>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>>(0008,0100) SH Code Value "121055" >>>>>(0008,0102) SH Code Scheme Designator "DCM" >>>>>(0008,0104) LO Code Meaning "Path"	>>>>(0008,0104)	LO		"Distance from chest wall"
>>>>>(0040,08EA) SQ Measured Units Code Sequence 1 >>>>>(0008,0100) SH Code Value "mm" or "cm" >>>>>(0008,0102) SH Code Scheme Designator "UCUM" >>>>>(0008,0103) SH Code Scheme Version "1.4" >>>>>(0040,A30A) LO Code Meaning "millimeter" or "centimeter" >>>>(0040,A30A) DS Numeric Value Distance from the chest wall to the density in millimeters. >>>>(0040,A730) SQ Content Sequence 1 >>>>(0040,A010) CS Relationship Type "INFERRED FROM" >>>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>>(0008,0100) SH Code Value "121055" >>>>>(0008,0102) SH Code Scheme Designator "DCM" >>>>>(0008,0104) LO Code Meaning "Path"	>>>>(0040,A300)	SQ		1
>>>>>(0008,0100) SH Code Value "mm" or "cm" >>>>>(0008,0102) SH Code Scheme Designator "UCUM" >>>>>(0008,0103) SH Code Scheme Version "1.4" >>>>>(0040,A30A) LO Code Meaning "millimeter" or "centimeter" >>>>(0040,A30A) DS Numeric Value Distance from the chest wall to the density in millimeters. >>>>(0040,A730) SQ Content Sequence 1 >>>>(0040,A010) CS Relationship Type "INFERRED FROM" >>>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>>(0008,0100) SH Code Value "121055" >>>>>(0008,0102) SH Code Scheme Designator "DCM" >>>>>(0008,0104) LO Code Meaning "Path"	>>>>(0040,08EA)			1
>>>>>(0008,0103) SH Code Scheme Version "1.4" >>>>>(0008,0104) LO Code Meaning "millimeter" or "centimeter" >>>>(0040,A30A) DS Numeric Value Distance from the chest wall to the density in millimeters. >>>>(0040,A730) SQ Content Sequence 1 >>>>(0040,A010) CS Relationship Type "INFERRED FROM" >>>>(0040,A040) CS Value Type "SCOORD" >>>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>>(0008,0100) SH Code Value "121055" >>>>>(0008,0104) LO Code Meaning "Path"	>>>>(0008,0100)	SH	Code Value	"mm" or "cm"
>>>>>(0008,0104) LO Code Meaning "millimeter" or "centimeter" >>>>(0040,A30A) DS Numeric Value Distance from the chest wall to the density in millimeters. >>>>(0040,A730) SQ Content Sequence 1 >>>>(0040,A010) CS Relationship Type "INFERRED FROM" >>>>(0040,A040) CS Value Type "SCOORD" >>>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>>(0008,0100) SH Code Value "121055" >>>>>(0008,0102) SH Code Scheme Designator "DCM" >>>>>(0008,0104) LO Code Meaning "Path"	>>>>>(0008,0102)	SH	Code Scheme Designator	"UCUM"
>>>>>(0008,0104) LO Code Meaning "millimeter" or "centimeter" >>>>(0040,A30A) DS Numeric Value Distance from the chest wall to the density in millimeters. >>>>(0040,A730) SQ Content Sequence 1 >>>>(0040,A010) CS Relationship Type "INFERRED FROM" >>>>(0040,A040) CS Value Type "SCOORD" >>>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>>(0008,0100) SH Code Value "121055" >>>>>(0008,0102) SH Code Scheme Designator "DCM" >>>>>(0008,0104) LO Code Meaning "Path"		SH		
>>>>(0040,A30A) DS Numeric Value Distance from the chest wall to the density in millimeters. >>>>(0040,A730) SQ Content Sequence 1 >>>>(0040,A010) CS Relationship Type "INFERRED FROM" >>>>(0040,A040) CS Value Type "SCOORD" >>>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>>(0008,0100) SH Code Value "121055" >>>>>(0008,0102) SH Code Scheme Designator "DCM" >>>>>(0008,0104) LO Code Meaning "Path"		LO	Code Meaning	"millimeter" or "centimeter"
>>>>(0040,A730) SQ Content Sequence 1 >>>>(0040,A010) CS Relationship Type "INFERRED FROM" >>>>(0040,A040) CS Value Type "SCOORD" >>>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>>(0008,0100) SH Code Value "121055" >>>>>(0008,0102) SH Code Scheme Designator "DCM" >>>>>(0008,0104) LO Code Meaning "Path"	>>>>(0040,A30A)	DS	Numeric Value	Distance from the chest wall to the
>>>>(0040,A010) CS Relationship Type "INFERRED FROM" >>>>(0040,A040) CS Value Type "SCOORD" >>>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>>(0008,0100) SH Code Value "121055" >>>>>(0008,0102) SH Code Scheme Designator "DCM" >>>>>(0008,0104) LO Code Meaning "Path"				density in millimeters.
>>>>(0040,A010) CS Relationship Type "INFERRED FROM" >>>>(0040,A040) CS Value Type "SCOORD" >>>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>>(0008,0100) SH Code Value "121055" >>>>>(0008,0102) SH Code Scheme Designator "DCM" >>>>>(0008,0104) LO Code Meaning "Path"	>>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,A040) CS Value Type "SCOORD" >>>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>>(0008,0100) SH Code Value "121055" >>>>>(0008,0102) SH Code Scheme Designator "DCM" >>>>>(0008,0104) LO Code Meaning "Path"			*	"INFERRED FROM"
>>>>>(0040,A043) SQ Concept-name Code Sequence 1 >>>>>(0008,0100) SH Code Value "121055" >>>>>(0008,0102) SH Code Scheme Designator "DCM" >>>>>(0008,0104) LO Code Meaning "Path"			* **	
>>>>>(0008,0100) SH Code Value "121055" >>>>>(0008,0102) SH Code Scheme Designator "DCM" >>>>>(0008,0104) LO Code Meaning "Path"			*1	
>>>>(0008,0102) SH Code Scheme Designator "DCM" >>>>>(0008,0104) LO Code Meaning "Path"			· •	"121055"
>>>>>(0008,0104) LO Code Meaning "Path"				"DCM"
>>>>(0040,A750) SQ Content Sequence 1	>>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,A010) CS Relationship Type "SELECTED FROM"			*	"SELECTED FROM"
>>>>>(0040,DB73) UL Referenced Content Item Identifier Reference to image, based on node			* **	
position (x, y, z) in the image library.	, , -,			© 1
>>>>(0070,0022) FL Graphic Data The coordinates that define the distance	>>>>(0070,0022)	FL	Graphic Data	
from the density to the chest wall. It	. , ,		-	from the density to the chest wall. It
shall exist as two pixel (column, row)	<u> </u>			

			noing the first type noints and ifving one
			pairs, the first two points specifying one
			endpoint, which is the chest wall and the
			second two points specifying the other
			endpoint, which is the density.
>>>>(0070,0023)	CS	Graphic Type	"POLYLINE"
>>>(0040,A730)	SQ	Content Sequence	Sequence exists only if the density area
			feature is enabled.
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"NUM"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"G-A166"
>>>>(0008,0102)	SH	Code Scheme Designator	"SNM3"
>>>>(0008,0104)	LO	Code Meaning	"Area"
>>>(0040,A300)	SQ	Measured Value Sequence	1
>>>>(0040,08EA)	SQ	Measured Units Code Sequence	1
>>>>>(0008,0100)	SH	Code Value	"mm2" or "cm2"
>>>>(0008,0102)	SH	Code Scheme Designator	"UCUM"
>>>>(0008,0104)	LO	Code Meaning	"Square millimeter" or "Square
			centimeter"
>>>>(0040,A30A)	DS	Numeric Value	Area in square millimeters or square
			centimeters of the density.
>>>(0040,A730)	SQ	Content Sequence	Sequence exists only if the CAD
		_	iNSIGHT feature is enabled.
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>>(0040,A040)	CS	Value Type	"TEXT"
>>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111058"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Selected Region Description"
>>>(0040,A160)	UT	Text Value	CAD iNSIGHT description of why CAD
			marked the detection.

Table 59 – Calcification Cluster Single Image Finding (TID 4006, TID 4019, TID 4021, TID 4010, TID 1400)

Group and Element	VR	Description	Value
>>>(0040,A730)	SQ	Content Sequence	Repeat for:
			Rendering Intent,
			Tracking Identifier,
			Algorithm Name,
			Algorithm Version,
			Algorithm Parameters,
			Certainty of Finding,
			Center,
			Outline,
			Outer limits of fuzzy margin,
			Number of calcifications,
			Long Axis (diameter),
			Distance from nipple,
			Distance from chest wall,
			Area,
			Selected Region Description (CAD
			iNSIGHT),

	1	T	
			Average calc distance in calc cluster,
			Standard deviation distance in cluster,
			Individual calc findings.
>>>>(0040,A010)	CS	Relationship Type	"HAS CONCEPT MOD"
>>>(0040,A040)	CS	Value Type	"CODE"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111056"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Rendering Intent"
>>>(0040,A168)	SQ	Concept Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111150" or "111151"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Presentation Required: Rendering
			device is expected to present" or
			"Presentation Optional: Rendering
			device may present". Presentation
			Optional values will only exist of
			dynamic operating point is enabled.
>>>(0040,A730)	SQ	Content Sequence	Only populate sequence if detection is
			presentation optional
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"NUM"
>>>>(0040,A043)	SQ	Concept Name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111071"
>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>(0008,0102)	LO	Code Meaning	CAD Operating Point
>>>>(0040,A300)	SQ	Measured Value Sequence	1
>>>>(0040,08EA)	SQ	Measurement Units Code Sequence	1
>>>>>(0008,0100)	SH	Code Value	"{1:2}"
>>>>>(0008,0102)	SH	Coding Scheme Designator	"UCUM"
>>>>>(0008,0102)	SH	Code Scheme Version	1.4
>>>>>(0008,0103)	LO	Code Meaning	Range: 1:2
>>>>(0040,A30A)	LO	Numeric Value	Operating point range value at which
, , , ,	LO		detection was found
>>>(0040,A730)	SQ	Content Sequence	Sequence exists if the tracking identifier
			feature is enabled.
>>>(0040,A010)	CS	Relationship Type	"HAS OBS CONTEXT"
>>>(0040,A040)	CS	Value Type	"TEXT"
>>>>(0008,0100)	SH	Code Value	"112039"
>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	Tracking Identifier
>>>(0040,A160)	UT	Text Value	Unique number per case assigned to a
	1		detection. A composite object will share
	1		the same tracking identifier.
>>>(0040,A730)	SQ	Content Sequence	1
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"TEXT"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111001"
>>>>(0008,0100)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0102)	LO	Code Meaning	"Algorithm Name"
>>>(0040,A160)	UT	Text Value	Mammo CAD:
///(0070,/1100)		TOM VIIII	"iCAD PowerLook"
	1		1011D I OWOLLOOK
1			

	1	I	Tomo Detection:
(0040 4730)	00	Court and Survey and	"Tomo Detection" for 2.x
>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>>(0040,A040)	CS	Value Type	"TEXT"
>>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111003"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Algorithm Version"
>>>(0040,A160)	UT	Text Value	Mammo CAD:
			"7.2-Z" or "Premier-Z", where Z equals
			the operating point.
			L = Low Op Point
			M = Medium Op Point
			H = High Op Point
			D = Dynamic Op Point
			Tomo Detection:
			"2.x.x.x-Y" for Tomo Detection 2.0,
			where Y equals the operating point.
			L = Low Op Point
			M = Medium Op Point
			H = High Op Point
			D = Dynamic Op Point
(0.0.10	~~		
>>>(0040,A730)	SQ	Content Sequence	1
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>>(0040,A040)	CS	Value Type	"TEXT"
>>>(0040,A043)	SQ	Concept Name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111002"
>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Algorithm Parameters"
>>>(0040,A160)	UT	Text Value	"Static" or "Dynamic" depending on
			operating point setting, if enabled
>>>(0040,A730)	SQ	Content Sequence	Sequence exists only if the certainty of
			finding feature is enabled.
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"NUM"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111012"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Certainty of Finding"
>>>(0040,A300)	SQ	Measured Value Sequence	1
>>>>(0040,08EA)	SQ	Measurement Units Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"%"
>>>>(0008,0102)	SH	Code Scheme Designator	"UCUM"
>>>>(0008,0103)	SH	Code Scheme Version	"1.4"
>>>>(0008,0103)	LO	Code Meaning	"Percent"
>>>>(0040,A30A)	DS	Numeric Value	Certainty of Finding percentage value of
(00 10,13011)	23	T. Garage	detection
>>>(0040,A730)	SQ	Content Sequence	1
>>>(0040,A730)	CS	Relationship Type	"HAS PROPERTIES"
	CS		"SCOORD"
>>>(0040,A040)		Value Type	
>>>(0040,A043)	SQ	Concept-name Code Sequence	1

>>>>(0008,0100)	SH	Code Value	"111010"
>>>>(0008,0100)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0102)	LO	Code Meaning	"Center"
>>>(0006,0104)	SQ	Content Sequence	
>>>>(0040,A730)	CS	Relationship Type	"SELECTED FROM"
>>>>(0040,R010)	UL	Referenced Content Item Identifier	Reference to image, based on node
/////(0040,DB/3)	OL	Referenced Content Item Identifier	position (x, y, z) in the image library.
>>>(0070,0022)	FL	Graphic Data	The coordinates (Column, Row) of the
////(0070,0022)	I.T	Grapine Data	center point of the detection.
>>>(0070,0023)	CS	Graphic Type	"POINT"
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A010)	CS	Value Type	"SCOORD"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0040,A043)	SH	Code Value	"111041"
>>>>(0008,0100)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0102)	LO	Code Meaning	"Outline"
>>>(0008,0104)		ĕ	1
>>>>(0040,A730) >>>>(0040,A010)	SQ CS	Content Sequence Relationship Type	"SELECTED FROM"
>>>>(0040,A010) >>>>(0040,DB73)	UL	Referenced Content Item Identifier	Reference to image based on node
>>>>>(0040,DB/3)	UL	Referenced Content Item Identifier	position in the image library.
>>>(0070,0022)	FL	Graphic Data	The coordinates that define the outline
////(0070,0022)	I.T	Grapine Data	of the calcification cluster. This will
			contain a list of points (column, row
			pairs) where straight lines are to be
			drawn from each point and the first and
			last vertices are equal to enclose the
			detection.
>>>(0070,0023)	CS	Graphic Type	"POLYLINE"
>>>(0040,A730)	SQ	Content Sequence	Sequence exists only if the secondary
/// (00 10,11/30)	٥٧	Coment Sequence	graphic feature is enabled.
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"SCOORD"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"113663"
>>>>(0008,0102)	~		
	SH	Code Scheme Designator	
	SH	Code Scheme Designator Code Meaning	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"DCM" "Outer limits of fuzzy margin"
>>>>(0008,0104) >>>>(0040,A730)	LO SQ	Code Meaning Content Sequence	"DCM" "Outer limits of fuzzy margin" 1
>>>>(0008,0104) >>>>(0040,A730) >>>>(0040,A010)	LO SQ CS	Code Meaning Content Sequence Relationship Type	"DCM" "Outer limits of fuzzy margin" 1 "SELECTED FROM"
>>>>(0008,0104) >>>>(0040,A730)	LO SQ	Code Meaning Content Sequence	"DCM" "Outer limits of fuzzy margin" 1 "SELECTED FROM" Reference to image, based on node
>>>>(0008,0104) >>>>(0040,A730) >>>>(0040,A010) >>>>(0040,DB73)	LO SQ CS UL	Code Meaning Content Sequence Relationship Type Referenced Content Item Identifier	"DCM" "Outer limits of fuzzy margin" 1 "SELECTED FROM" Reference to image, based on node position (x, y, z) in the image library.
>>>>(0008,0104) >>>>(0040,A730) >>>>(0040,A010)	LO SQ CS	Code Meaning Content Sequence Relationship Type	"DCM" "Outer limits of fuzzy margin" 1 "SELECTED FROM" Reference to image, based on node position (x, y, z) in the image library. A list of points (column, row pairs) will
>>>>(0008,0104) >>>>(0040,A730) >>>>(0040,A010) >>>>(0040,DB73)	LO SQ CS UL	Code Meaning Content Sequence Relationship Type Referenced Content Item Identifier	"DCM" "Outer limits of fuzzy margin" 1 "SELECTED FROM" Reference to image, based on node position (x, y, z) in the image library. A list of points (column, row pairs) will be given where straight lines are to be
>>>>(0008,0104) >>>>(0040,A730) >>>>(0040,A010) >>>>(0040,DB73)	LO SQ CS UL	Code Meaning Content Sequence Relationship Type Referenced Content Item Identifier	"DCM" "Outer limits of fuzzy margin" 1 "SELECTED FROM" Reference to image, based on node position (x, y, z) in the image library. A list of points (column, row pairs) will be given where straight lines are to be drawn from each point and the first and
>>>>(0008,0104) >>>>(0040,A730) >>>>(0040,A010) >>>>(0040,DB73)	LO SQ CS UL	Code Meaning Content Sequence Relationship Type Referenced Content Item Identifier	"DCM" "Outer limits of fuzzy margin" 1 "SELECTED FROM" Reference to image, based on node position (x, y, z) in the image library. A list of points (column, row pairs) will be given where straight lines are to be
>>>>(0008,0104) >>>>(0040,A730) >>>>(0040,A010) >>>>(0040,DB73) >>>>(0070,0022)	LO SQ CS UL FL	Code Meaning Content Sequence Relationship Type Referenced Content Item Identifier Graphic Data	"DCM" "Outer limits of fuzzy margin" 1 "SELECTED FROM" Reference to image, based on node position (x, y, z) in the image library. A list of points (column, row pairs) will be given where straight lines are to be drawn from each point and the first and last vertices are equal to enclose the detection.
>>>>(0008,0104) >>>>(0040,A730) >>>>(0040,A010) >>>>(0040,DB73)	LO SQ CS UL FL CS	Code Meaning Content Sequence Relationship Type Referenced Content Item Identifier Graphic Data Graphic Type	"DCM" "Outer limits of fuzzy margin" 1 "SELECTED FROM" Reference to image, based on node position (x, y, z) in the image library. A list of points (column, row pairs) will be given where straight lines are to be drawn from each point and the first and last vertices are equal to enclose the detection. "POLYLINE"
>>>>(0008,0104) >>>>(0040,A730) >>>>(0040,A010) >>>>(0040,DB73) >>>>(0070,0022)	LO SQ CS UL FL	Code Meaning Content Sequence Relationship Type Referenced Content Item Identifier Graphic Data	"DCM" "Outer limits of fuzzy margin" 1 "SELECTED FROM" Reference to image, based on node position (x, y, z) in the image library. A list of points (column, row pairs) will be given where straight lines are to be drawn from each point and the first and last vertices are equal to enclose the detection.
>>>>(0008,0104) >>>>(0040,A730) >>>>(0040,A010) >>>>(0040,DB73) >>>>(0070,0022) >>>>(0070,0023) >>>(0040,A730)	LO SQ CS UL FL CS SQ	Code Meaning Content Sequence Relationship Type Referenced Content Item Identifier Graphic Data Graphic Type Content Sequence	"DCM" "Outer limits of fuzzy margin" 1 "SELECTED FROM" Reference to image, based on node position (x, y, z) in the image library. A list of points (column, row pairs) will be given where straight lines are to be drawn from each point and the first and last vertices are equal to enclose the detection. "POLYLINE" Sequence exists only if the number of
>>>>(0008,0104) >>>>(0040,A730) >>>>(0040,A010) >>>>(0040,DB73) >>>>(0070,0022)	LO SQ CS UL FL CS	Code Meaning Content Sequence Relationship Type Referenced Content Item Identifier Graphic Data Graphic Type	"DCM" "Outer limits of fuzzy margin" 1 "SELECTED FROM" Reference to image, based on node position (x, y, z) in the image library. A list of points (column, row pairs) will be given where straight lines are to be drawn from each point and the first and last vertices are equal to enclose the detection. "POLYLINE" Sequence exists only if the number of microcalcifications feature is enabled.
>>>>(0008,0104) >>>>(0040,A730) >>>>(0040,A010) >>>>(0040,DB73) >>>>(0070,0022) >>>>(0040,A730) >>>>(0040,A730) >>>>(0040,A040)	LO SQ CS UL FL CS SQ CS CS	Code Meaning Content Sequence Relationship Type Referenced Content Item Identifier Graphic Data Graphic Type Content Sequence Relationship Type Value Type	"DCM" "Outer limits of fuzzy margin" 1 "SELECTED FROM" Reference to image, based on node position (x, y, z) in the image library. A list of points (column, row pairs) will be given where straight lines are to be drawn from each point and the first and last vertices are equal to enclose the detection. "POLYLINE" Sequence exists only if the number of microcalcifications feature is enabled. "HAS PROPERTIES"
>>>>(0008,0104) >>>>(0040,A730) >>>>(0040,A010) >>>>(0040,DB73) >>>>(0070,0022) >>>>(0040,A730) >>>>(0040,A730) >>>>(0040,A010) >>>>(0040,A040) >>>>(0040,A043)	LO SQ CS UL FL CS SQ CS	Code Meaning Content Sequence Relationship Type Referenced Content Item Identifier Graphic Data Graphic Type Content Sequence Relationship Type	"DCM" "Outer limits of fuzzy margin" 1 "SELECTED FROM" Reference to image, based on node position (x, y, z) in the image library. A list of points (column, row pairs) will be given where straight lines are to be drawn from each point and the first and last vertices are equal to enclose the detection. "POLYLINE" Sequence exists only if the number of microcalcifications feature is enabled. "HAS PROPERTIES" "NUM"
>>>>(0008,0104) >>>>(0040,A730) >>>>(0040,A010) >>>>(0040,DB73) >>>>(0070,0022) >>>>(0040,A730) >>>>(0040,A730) >>>>(0040,A010) >>>>(0040,A040) >>>>(0040,A043) >>>>(0008,0100)	LO SQ CS UL FL CS SQ CS SQ	Code Meaning Content Sequence Relationship Type Referenced Content Item Identifier Graphic Data Graphic Type Content Sequence Relationship Type Value Type Concept-name Code Sequence Code Value	"DCM" "Outer limits of fuzzy margin" 1 "SELECTED FROM" Reference to image, based on node position (x, y, z) in the image library. A list of points (column, row pairs) will be given where straight lines are to be drawn from each point and the first and last vertices are equal to enclose the detection. "POLYLINE" Sequence exists only if the number of microcalcifications feature is enabled. "HAS PROPERTIES" "NUM"
>>>>(0008,0104) >>>>(0040,A730) >>>>(0040,A010) >>>>(0040,DB73) >>>>(0070,0022) >>>>(0040,A730) >>>>(0040,A730) >>>>(0040,A730) >>>>(0040,A010) >>>>(0040,A040) >>>>(0040,A043)	CS SQ CS SQ SH	Code Meaning Content Sequence Relationship Type Referenced Content Item Identifier Graphic Data Graphic Type Content Sequence Relationship Type Value Type Concept-name Code Sequence	"DCM" "Outer limits of fuzzy margin" 1 "SELECTED FROM" Reference to image, based on node position (x, y, z) in the image library. A list of points (column, row pairs) will be given where straight lines are to be drawn from each point and the first and last vertices are equal to enclose the detection. "POLYLINE" Sequence exists only if the number of microcalcifications feature is enabled. "HAS PROPERTIES" "NUM" 1 "111038"

(0040 4200)	00	M 1 XI . 1 . C	1
>>>>(0040,A300)	SQ	Measured Value Sequence	1
>>>>(0040,08EA)	SQ	Measured Units Code Sequence	1
>>>>>(0008,0100)	SH	Code Value	"1"
>>>>>(0008,0102)	SH	Code Scheme Designator	"UCUM"
>>>>>(0008,0103)	SH	Code Scheme Version	"1.4"
>>>>(0008,0104)	LO	Code Meaning	"no units"
>>>>(0040,A30A)	DS	Numeric Value	Number of individual calcifications present in the cluster.
>>>(0040,A730)	SQ	Content Sequence	Sequence exists only if cluster diameter feature is enabled.
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"NUM"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"G-A185"
>>>>(0008,0102)	SH	Code Scheme Designator	"SNM3"
>>>>(0008,0104)	LO	Code Meaning	"Long Axis"
>>>(0040,A300)	SQ	Measured Value Sequence	1
>>>>(0040,08EA)	SQ	Measured Units Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"mm" or "cm"
>>>>(0008,0102)	SH	Code Scheme Designator	"1.4"
>>>>(0008,0102)	SH	Code Scheme Version	"UCUM"
>>>>(0008,0103)	LO	Code Meaning	"millimeter" or "centimeter"
>>>>(0040,A30A)	DS	Numeric Value	Maximum diameter of cluster in
>>>>(0040,A30A)	DS	Numeric value	millimeters or centimeters.
>>>> (0040, 4.730)	80	Content Seguence	1
>>>(0040,A730)	SQ	Content Sequence	
>>>>(0040,A010)	CS	Relationship Type	"INFERRED FROM"
>>>>(0040,A040)	CS	Value Type	"SCOORD"
>>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>>(0008,0100)	SH	Code Value	"121055"
>>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>>(0008,0104)	LO	Code Meaning	"Path"
>>>>(0040,A730)	SQ	Content Sequence	1
>>>>>(0040,A010)	CS	Relationship Type	"SELECTED FROM"
>>>>(0040,DB73)	UL	Referenced Content Item Identifier	Reference to image, based on node position (x, y, z) in the image library.
>>>>(0070,0022)	FL	Graphic Data	The coordinates that define the long axis
***** (00.0,00=2)			of the cluster. It shall exist as two pixel
			(column, row) pairs, the first two points
			specifying one endpoint of the long axis
			and the second two points specifying the
			other endpoint of the long axis.
>>>>(0070,0023)	CS	Graphic Type	"POLYLINE"
>>>(0040,A730)	SQ	Content Sequence	Sequence exists only if the distance from
///(0070,11/30)	اعو	Contont Bequence	nipple feature is enabled.
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A010)	CS	Value Type	"NUM"
>>>>(0040,A040)		Concept-name Code Sequence	1 1
	SQ	* *	
>>>>(0008,0100)	SH	Code Value	"121242"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Distance from nipple"
>>>>(0040,A300)	SQ	Measured Value Sequence	1
>>>>(0040,08EA)	SQ	Measured Units Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"mm" or "cm"
>>>>(0008,0102)	SH	Code Scheme Designator	"UCUM"

>>>>(0008,0103)	SH	Code Scheme Version	"1.4"
>>>>(0008,0103)	LO	Code Meaning	"millimeter" or "centimeter"
>>>>(0040,A30A)	DS	Numeric Value	Distance from the nipple to the cluster in
/////(0040,/130/1)	DS	Trumeric value	millimeters or centimeters.
>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,A730)	CS	Relationship Type	"INFERRED FROM"
>>>>(0040,A010)	CS	Value Type	"SCOORD"
>>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0040,A043)	SH	Code Value	"121055"
>>>>(0008,0100)	SH	Code Scheme Designator	"DCM"
		č	"Path"
>>>>(0008,0104)	LO	Code Meaning	
>>>>(0040,A730)	SQ	Content Sequence	1 "GELECTED EDOM"
>>>>>(0040,A010)	CS	Relationship Type	"SELECTED FROM"
>>>>(0040,DB73)	UL	Referenced Content Item Identifier	Reference to image, based on node
(00,000,000,000)	-	0 11 5	position (x, y, z) in the image library.
>>>>(0070,0022)	FL	Graphic Data	The coordinates that define the distance
			from the nipple to the cluster. It shall
			exist as two pixel (column, row) pairs,
			the first two points specifying one
			endpoint, which is the nipple and the
			second two points specifying the other
(0.0=0.00=0)	~~		endpoint, which is the cluster.
>>>>(0070,0023)	CS	Graphic Type	"POLYLINE"
>>>(0040,A730)	SQ	Content Sequence	Sequence exists only if the distance from
			chest wall feature is enabled.
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>>(0040,A040)	CS	Value Type	"NUM"
>>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"121244"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Distance from chest wall"
>>>>(0040,A300)	SQ	Measured Value Sequence	1
>>>>(0040,08EA)	SQ	Measured Units Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"mm" or "cm"
>>>>(0008,0102)	SH	Code Scheme Designator	"UCUM"
>>>>(0008,0103)	SH	Code Scheme Version	"1.4"
>>>>(0008,0104)	LO	Code Meaning	"millimeter" or "centimeter"
>>>>(0040,A30A)	DS	Numeric Value	Distance from the chest wall to the
			cluster in millimeters or centimeters.
>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,A010)	CS	Relationship Type	"INFERRED FROM"
>>>>(0040,A040)	CS	Value Type	"SCOORD"
>>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"121055"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Path"
>>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,A730)	CS	Relationship Type	"SELECTED FROM"
>>>>>(0040,A010)	UL	Referenced Content Item Identifier	Reference to image, based on node
/////(0040,0013)	OL	Referenced Content Item Identifier	position (x, y, z) in the image library.
>>>>(0070,0022)	FL	Graphic Data	The coordinates that define the distance
/////(00/0,0022)	I,T	Grapine Data	from the chest wall to the cluster. It shall
			exist as two pixel (column, row) pairs,
			the first two points specifying one
			the first two points specifying one

		T	and raint rabiable the about wall and the
			endpoint, which is the chest wall and the
			second two points specifying the other
>>>> (0070 0022)	CC	Coordia Torra	endpoint, which is the cluster. "POLYLINE"
>>>>(0070,0023)	CS	Graphic Type	
>>>(0040,A730)	SQ	Content Sequence	Sequence exists only if the calcification area feature is enabled.
>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"NUM"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"G-A166"
>>>>(0008,0102)	SH	Code Scheme Designator	"SNM3"
>>>>(0008,0104)	LO	Code Meaning	"Area"
>>>(0040,A300)	SQ	Measured Value Sequence	1
>>>>(0040,08EA)	SQ	Measured Units Code Sequence	1
>>>>>(0008,0100)	SH	Code Value	"mm2" or "cm2"
>>>>(0008,0102)	SH	Code Scheme Designator	"UCUM"
>>>>(0008,0102)	SH	Code Scheme Version	"1.4"
>>>>(0008,0104)	LO	Code Meaning	"Square millimeter" or "Square
(0000,0101)		Code Meaning	centimeter"
>>>>(0040,A30A)	DS	Numeric Value	Area of calcification cluster in square
(00 10,113011)		Trainerie value	millimeters or square centimeters.
>>>(0040,A730)	SQ	Content Sequence	Sequence exists only if the CAD
/// (00 10,11/30)	50	Content sequence	iNSIGHT feature is enabled.
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"TEXT"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111058"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0102)	LO	Code Meaning	"Selected Region Description"
>>>(0040,A160)	UT	Text Value	CAD iNSIGHT description of why CAD
////(00/10,71100)		Text value	marked the detection.
>>>(0040,A730)	SQ	Content Sequence	Sequence exists only if the add average
/// (00 10,11/30)	٥٧	Content Sequence	calcification distance feature is enabled.
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"NUM"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"112200"
>>>>(0008,0100)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Average calcification distance in a
(0000,0101)	Lo	Code Meaning	calcification cluster"
>>>>(0040,A300)	SQ	Measured Value Sequence	1
>>>>>(0040,08EA)	SQ	Measured Units Code Sequence	1
>>>>>(0008,0100)	SH	Code Value	"mm" or "cm"
>>>>>(0008,0102)	SH	Code Scheme Designator	"UCUM"
>>>>>(0008,0102)	SH	Code Scheme Version	"1.4"
>>>>>(0008,0104)	LO	Code Meaning	"millimeter" or "centimeter"
>>>>>(0040,A30A)	DS	Numeric Value	Average calcification distance in a
(00 10,113011)			calcification cluster in millimeters or
			centimeters.
>>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,11730)	CS	Relationship Type	"HAS CONCEPT MOD"
>>>>>(0040,A040)	CS	Value Type	"CODE"
>>>>>(0040,A040)	SQ	Concept-name Code Sequence	1
>>>>>(0040,A043)	SH	Code Value	"121401"
/////(0000,0100)	DII	Code varue	121701

>>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>>(0008,0104)	LO	Code Meaning	"Derivation"
>>>>>(0040,A168)	SQ	Concept Code Sequence	1
>>>>>(0008,0100)	SH	Code Value	"R-10260"
>>>>>(0008,0102)	SH	Code Scheme Designator	"SRT"
>>>>>(0008,0104)	LO	Code Meaning	"Estimated"
>>>(0040,A730)	SQ	Content Sequence	Sequence exists only if the add standard
(00 10,11/30)	٥٧	Content sequence	deviation distance feature is enabled.
>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"NUM"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"112201"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Standard deviation distance of
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	20	Code Meaning	calcifications in a cluster"
>>>>(0040,A300)	SQ	Measured Value Sequence	1
>>>>(0040,08EA)	SQ	Measured Units Code Sequence	1
>>>>>(0008,0100)	SH	Code Value	"mm" or "cm"
>>>>>(0008,0102)	SH	Code Scheme Designator	"UCUM"
>>>>>(0008,0102)	SH	Code Scheme Version	"1.4"
>>>>>(0008,0104)	LO	Code Meaning	"millimeter" or "centimeter"
>>>>>(0040,A30A)	DS	Numeric Value	Standard deviation distance of
/////(0040,A30A)	DS	Trumerie value	calcifications in a cluster in millimeters
			or centimeters.
>>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,R1730)	CS	Relationship Type	"HAS CONCEPT MOD"
>>>>(0040,A010)	CS	Value Type	"CODE"
>>>>(0040,A040)	SQ	Concept-name Code Sequence	1
>>>>>(0040,A043)	SH	Code Value	"121401"
>>>>>(0008,0100)	SH	Code Scheme Designator	"DCM"
>>>>>(0008,0102)	LO	Code Meaning	"Derivation"
>>>>>(0040,A168)	SQ	Concept Code Sequence	1
>>>>>(0040,A108)	SH	Code Value	"R-10260"
>>>>>(0008,0100)	SH	Code Scheme Designator	"SRT"
	LO	Code Meaning	"Estimated"
>>>>>(0008,0104) >>>(0040,A730)	SQ	Content Sequence	Sequence exists only if the add
>>>(0040,A730)	SQ	Content Sequence	microcalcifications feature is enabled.
>>>(0040,A010)	CS	Polationship Type	"INFERRED FROM"
>>>(0040,A010) >>>>(0040,A040)	CS	Relationship Type Value Type	"CODE"
>>>(0040,A040)	SQ	Concept-name Code Sequence	1
>>>>(0040,A043) >>>>>(0008,0100)	SH	Code Value	"111059"
>>>>(0008,0100)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0102)	LO	Code Meaning	"Single Image Finding"
>>>>(0008,0104) >>>>(0040,A168)	SQ	Concept Code Sequence	From Context ID 6014
>>>(0040,A168) >>>>(0008,0100)	SH	Code Value	"F-01776" (Individual Calcification)
	SH		"SRT"
>>>>(0008,0102) >>>>(0008,0103)	SH	Code Scheme Designator Code Scheme Version	"1.1"
>>>>(0008,0104)	LO	Content Seguence	Individual Calcification
>>>(0040,A730)	SQ	Content Sequence	Repeat sequence for number of individual calcifications within the
			cluster
>>>> (0040 4010)	CC	Polotionship Type	"HAS CONCEPT MOD"
>>>>(0040,A010) >>>>(0040,A040)	CS	Relationship Type	"CODE"
	CS	Value Type	
>>>>(0040,A043)	SQ	Concept-name Code Sequence	1

>>>>(0008,0100)	SH	Code Value	"111056"
>>>>(0008,0100)	SH	Code Scheme Designator	"DCM"
		Code Meaning	"Rendering Intent"
>>>>(0008,0104)	LO	<u> </u>	Č
>>>>(0040,A168)	SQ	Concept Code Sequence	1 "11150" - "11151"
>>>>>(0008,0100)	SH	Code Value	"111150" or "111151"
>>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Presentation Required: Rendering
			device is expected to present" or
			"Presentation Optional: Rendering
(0040 4730)	0.0	Control Control	device may present"
>>>>(0040,A730)	SQ	Content Sequence	Only populate sequence if detection is
	CC	Deletie action To acc	presentation optional
>>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>>>(0040,A040)	CS	Value Type	"NUM"
>>>>>(0040,A043)	SQ	Concept Name Code Sequence	1
>>>>>>(0008,0100)	SH	Code Value	"111071"
>>>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>>(0008,0104)	LO	Code Meaning	CAD Operating Point
>>>>(0040,A300)	SQ	Measured Value Sequence	1
>>>>>(0040,08EA)	SQ	Measurement Units Code Sequence	1
>>>>>>(0008,0100)	SH	Code Value	"{1:2}"
>>>>>(0008,0102)	SH	Coding Scheme Designator	"UCUM"
>>>>>>(0008,0103)	SH	Code Scheme Version	1.4
>>>>>>(0008,0104)	LO	Code Meaning	Range: 1:2
>>>>>(0040,A30A)	LO	Numeric Value	Operating point range value at which
			detection was found
>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>>(0040,A040)	CS	Value Type	"TEXT"
>>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111001"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Algorithm Name"
>>>>(0040,A160)	UT	Text Value	"iCAD PowerLook"
>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>>(0040,A040)	CS	Value Type	"TEXT"
>>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111003"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Algorithm Version"
>>>>(0040,A160)	UT	Text Value	"Premier" or "X.Y-Z", where X.Y
			equals the current CAD version and Z
			equals the operating point.
			L = Low Op Point
			M = Medium Op Point
			H = High Op Point
			D = Dynamic Op Point
>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>>(0040,A040)	CS	Value Type	"TEXT"
>>>>(0040,A043)		~	
	SQ	Concept Name Code Sequence	1
>>>>(0008,0100)	SQ SH	Concept Name Code Sequence Code Value	"111002"
>>>>>(0008,0100) >>>>>(0008,0102) >>>>>(0008,0104)			-

>>>>(0040,A160)	UT	Text Value	"Static" or "Dynamic" depending on
			operating point setting
>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>>(0040,A040)	CS	Value Type	"SCOORD"
>>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111010"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Center"
>>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,A010)	CS	Relationship Type	"SELECTED FROM"
>>>>(0040,DB73)	UL	Referenced Content Item Identifier	Reference to image, based on node
			position (x, y, z) in the image library.
>>>>(0070,0022)	FL	Graphic Data	The coordinates (Column, Row) of the
			center point of the individual
			calcification.
>>>>(0070,0023)	CS	Graphic Type	"POINT"
>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>>(0040,A040)	CS	Value Type	"SCOORD"
>>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111041"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Outline"
>>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,A010)	CS	Relationship Type	"SELECTED FROM"
>>>>(0040,DB73)	UL	Referenced Content Item Identifier	Reference to image, based on node
			position (x, y, z) in the image library.
>>>>(0070,0022)	FL	Graphic Data	The coordinates that define the outline
			of the calcification cluster. This will
			contain a list of points (column, row
			pairs) will be given where straight lines
			are to be drawn from each point and the
			first and last vertices are equal to enclose
			the detection.
>>>>(0070,0023)	CS	Graphic Type	"POLYLINE"

Table 60 – Mammography Breast Density Composite Feature (TID 4004, TID 4005, TID 4019)

Group and Element	VR	Description	Value
>>>(0040,A730)	SQ	Content Sequence	Repeat for number of composite features
>>>(0040,A010)	CS	Relationship Type	"HAS CONCEPT MOD"
>>>(0040,A040)	CS	Value Type	"CODE"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111056"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Rendering Intent"
>>>(0040,A168)	SQ	Concept Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111150" or "111151"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Presentation Required: Rendering

		T	
			device is expected to present" or
			"Presentation Optional: Rendering
			device may present". Presentation
			Optional values will only exist if
			dynamic operating point is enabled and
			the detection is only found on a subset of
			operating points.
>>>(0040,A730)	SQ	Content Sequence	Only populate sequence if detection is
			presentation optional
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"NUM"
>>>>(0040,A043)	SQ	Concept Name Code Sequence	1
>>>>>(0008,0100)	SH	Code Value	"111071"
>>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>>(0008,0104)	LO	Code Meaning	CAD Operating Point
>>>>(0040,A300)	SQ	Measured Value Sequence	1
>>>>(0040,08EA)	SQ	Measurement Units Code Sequence	1
>>>>>(0008,0100)	SH	Code Value	"{1:2}"
>>>>>(0008,0102)	SH	Coding Scheme Designator	"UCUM"
>>>>>(0008,0103)	SH	Code Scheme Version	1.4
>>>>>(0008,0104)	LO	Code Meaning	Range: 1:2
>>>>(0040,A30A)	LO	Numeric Value	Operating point range value at which
(00 10,1 20 01 2)		Transcrib , with	detection was found
>>>(0040,A730)	SQ	Content Sequence	Sequence exists if the tracking identifier
(00.10,127.00)	~ ~		feature is enabled.
>>>>(0040,A010)	CS	Relationship Type	"HAS OBS CONTEXT"
>>>(0040,A040)	CS	Value Type	"TEXT"
>>>>(0008,0100)	SH	Code Value	"112039"
>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>(0008,0102)	LO	Code Meaning	Tracking Identifier
>>>(0040,A160)	UT	Text Value	Unique number per case assigned to a
///(0040,71100)	01	Text value	detection. A composite object will share
			the same tracking identifier.
>>>(0040,A730)	SQ	Content Sequence	1
>>>(0040,A730)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A010)	CS	Value Type	"CODE"
	SH	Code Value	"111016"
>>>>(0008,0100)			
>>>>(0008,0102) >>>>(0008,0104)	SH	Coding Scheme Designator Code Meaning	"DCM" "Commonito tumo"
	LO	č	"Composite type"
>>>(0040,A168)	SQ	Concept Code Sequence	1 "111154"
>>>>(0008,0100)	SH	Code Value	
>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Target content items are related
>>>> (0040 4010)	CC	Deletie nebie Teme	spatially"
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"CODE"
>>>(0040,A043)	SQ	Concept Name Code Sequence	1 "111057"
>>>>(0008,0100)	SH	Code Value	"111057"
>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Scope of Feature"
>>>(0040,A168)	SQ	Concept Code Sequence	1 (111155)
>>>>(0008,0100)	SH	Code Value	"111155"
>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Feature detected on multiple images"

>>> (0040 A720)	CO	Content Consens	1
>>>(0040,A730)	SQ	Content Sequence	1 "HAC PROPERTIES"
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES" "TEXT"
>>>>(0040,A040)	CS	Value Type	
>>>(0040,A043)	SQ	Concept-name Code Sequence	1 "111001"
>>>>(0008,0100)	SH	Code Value	"111001"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Algorithm Name"
>>>>(0040,A160)	UT	Text Value	"iCAD PowerLook"
>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>>(0040,A040)	CS	Value Type	"TEXT"
>>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111003"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Algorithm Version"
>>>(0040,A160)	UT	Text Value	"Premier-Z", where Z equals the
			operating point.
			L = Low Op Point
			M = Medium Op Point
			H = High Op Point
			D = Dynamic Op Point
>>>(0040,A730)	SQ	Content Sequence	1
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"TEXT"
>>>(0040,A043)	SQ	Concept Name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111002"
>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Algorithm Parameters"
>>>(0040,A160)	UT	Text Value	"Static" or "Dynamic" depending on
			operating point setting
>>>(0040,A730)	SQ	Content Sequence	1
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>>(0040,A040)	CS	Value Type	"CODE"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111048"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Quadrant location"
>>>(0040,A168)	SQ	Concept Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"T-04004",
			"T-04002",
			"T-04005", or
	<u> </u>		"T-04003"
>>>>(0008,0102)	SH	Code Scheme Designator	"SRT"
>>>>(0008,0104)	LO	Code Meaning	"Upper outer quadrant of breast",
			"Upper inner quadrant of breast",
			"Lower outer quadrant of breast", or
	<u> </u>		"Lower inner quadrant of breast"
>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"CODE"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111014"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Clockface or region"
(0000,0101)	20	- ·	1

>>>(0040,A168)	SQ	Concept Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"F-01781",
			"F-01782"
			"F-01783"
			"F-01784"
			"F-01785"
			"F-01786"
			"F-01787"
			"F-01788"
			"F-01789"
			"F-0178A"
			"F-0178B"
			"F-0178C"
			"F-0178D"
			"F-0178E",
			"F-0178E", or
			"F-0178F", 01
(0000 0102)	CII	Cada Calarra Darianatan	"DCM"
>>>>(0008,0102)	SH	Code Scheme Designator	
>>>>(0008,0104)	LO	Code Meaning	"1 o'clock position",
			"2 o'clock position",
			"3 o'clock position",
			"4 o'clock position",
			"5 o'clock position",
			"6 o'clock position",
			"7 o'clock position",
			"8 o'clock position",
			"9 o'clock position",
			"10 o'clock position",
			"11 o'clock position",
			"12 o'clock position",
			"Subareolar region",
			"Axillary tail region",
			"Central region of breast",
			"Axilla region",
>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"CODE"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111020"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Depth"
>>>(0040,A168)	SQ	Concept Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"G-A105",
			"G-A109", or
			"G-A106"
>>>>(0008,0102)	SH	Code Scheme Designator	"SRT"
>>>>(0008,0104)	LO	Code Meaning	"Anterior",
			"Middle", or
			"Posterior"
>>>(0040,A730)	SQ	Content Sequence	Two single image findings of
,,		1	mammography breast density shall exist
>>>>(0040,A010)	CS	Relationship Type	"CONTAINS"
>>>>(0040,A040)	CS	Value Type	"CODE"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0040,A043)	SH	Code Value	"111059"
////(0000,0100)	211	Couc value	111037

>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Single Image Finding"
>>>(0040,A168)	SQ	Concept Code Sequence	1
>>>>>(0008,0100)	SH	Code Value	"F-01796"
>>>>(0008,0102)	SH	Code Scheme Designator	"SRT"
>>>>(0008,0103)	SH	Code Scheme Version	"1.1"
>>>>>(0008,0104)	LO	Code Meaning	"Mammography breast density"
>>>(0040,A730)	SQ	Content Sequence	See Table 58 for mammography breast
			density single image finding

Table 61 – Calcification Cluster Composite Feature (TID 4004, TID 4005, TID 4019)

Group and Element	VR	Description	Value
>>>(0040,A730)	SQ	Content Sequence	Repeat for number of composite features
>>>(0040,A010)	CS	Relationship Type	"HAS CONCEPT MOD"
>>>(0040,A040)	CS	Value Type	"CODE"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111056"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Rendering Intent"
>>>(0040,A168)	SQ	Concept Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111150" or "111151"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Presentation Required: Rendering device is expected to present" or "Presentation Optional: Rendering device may present". Presentation Optional values will only exist if dynamic operating point is enabled and the detection is only found on a subset of operating points.
>>>(0040,A730)	SQ	Content Sequence	Only populate sequence if detection is presentation optional
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>>(0040,A040)	CS	Value Type	"NUM"
>>>>(0040,A043)	SQ	Concept Name Code Sequence	1
>>>>>(0008,0100)	SH	Code Value	"111071"
>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>>(0008,0104)	LO	Code Meaning	CAD Operating Point
>>>>(0040,A300)	SQ	Measured Value Sequence	1
>>>>(0040,08EA)	SQ	Measurement Units Code Sequence	1
>>>>>(0008,0100)	SH	Code Value	"{1:2}"
>>>>>(0008,0102)	SH	Coding Scheme Designator	"UCUM"
>>>>>(0008,0103)	SH	Code Scheme Version	1.4
>>>>>(0008,0104)	LO	Code Meaning	Range: 1:2
>>>>>(0040,A30A)	LO	Numeric Value	Operating point range value at which detection was found
>>>(0040,A730)	SQ	Content Sequence	Sequence exists if the tracking identifier feature is enabled.
>>>>(0040,A010)	CS	Relationship Type	"HAS OBS CONTEXT"
>>>(0040,A040)	CS	Value Type	"TEXT"
>>>>(0008,0100)	SH	Code Value	"112039"
>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"

>>>>(0008,0104)	LO	Code Meaning	Tracking Identifier
>>>(0040,A160)	UT	Text Value	Unique number per case assigned to a
(00 10,11100)			detection. A composite object will share
			the same tracking identifier.
>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>>(0040,A040)	CS	Value Type	"CODE"
>>>>(0008,0100)	SH	Code Value	"111016"
>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Composite type"
>>>(0040,A168)	SQ	Concept Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111154"
>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Target content items are related
(====,==,		g .	spatially"
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>>(0040,A040)	CS	Value Type	"CODE"
>>>>(0040,A043)	SQ	Concept Name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111057"
>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Scope of Feature"
>>>>(0040,A168)	SQ	Concept Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111155"
>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Feature detected on multiple images"
>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>>(0040,A040)	CS	Value Type	"TEXT"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111001"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Algorithm Name"
>>>>(0040,A160)	UT	Text Value	"iCAD PowerLook"
>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>>(0040,A040)	CS	Value Type	"TEXT"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111003"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Algorithm Version"
>>>>(0040,A160)	UT	Text Value	"Premier-Z", where Z equals the
			operating point.
			L = Low Op Point
			M = Medium Op Point
			H = High Op Point
			D = Dynamic Op Point
>>>(0040,A730)	SQ	Content Sequence	1
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"TEXT"
>>>(0040,A043)	SQ	Concept Name Code Sequence	1
>>>>(0008,0100)	CIT	Code Value	"111002"
	SH	L	
>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
		L	

	1	1	
(0040 4720)	0.0	Contact Conservation	operating point setting
>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>>(0040,A040)	CS	Value Type	"CODE"
>>>>(0040,A043)	SQ	Concept-name Code Sequence	1 "1110.40"
>>>>(0008,0100)	SH	Code Value	"111048"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Quadrant location"
>>>>(0040,A168)	SQ	Concept Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"T-04004",
			"T-04002",
			"T-04005", or
(0000 0100)	CII	C. I. C.I D	"T-04003"
>>>>(0008,0102)	SH	Code Scheme Designator	"SRT"
>>>>(0008,0104)	LO	Code Meaning	"Upper outer quadrant of breast",
			"Upper inner quadrant of breast",
			"Lower outer quadrant of breast", or
(0040 4720)	0.0	Contact Consumer	"Lower inner quadrant of breast"
>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>>(0040,A040)	CS	Value Type	"CODE"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111014"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Clockface or region"
>>>(0040,A168)	SQ	Concept Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"F-01781",
			"F-01782"
			"F-01783"
			"F-01784"
			"F-01785"
			"F-01786"
			"F-01787"
			"F-01788"
			"F-01789"
			"F-0178A"
			"F-0178B"
			"F-0178C"
			"F-0178D"
			"F-0178E",
			"F-0178F", or "F-01794"
>>>>(0008,0102)	SH	Code Schame Designator	"DCM"
>>>>(0008,0102)	LO	Code Scheme Designator Code Meaning	"1 o'clock position",
>>>>(0008,0104)	LO	Code Meaning	
			"2 o'clock position",
			"3 o'clock position", "4 o'clock position",
			"5 o'clock position",
			"6 o'clock position",
			"7 o'clock position",
			"8 o'clock position",
			"9 o'clock position",
			"10 o'clock position",
			"11 o'clock position",
			"12 o'clock position",
			12 0 CIOCK POSITION ,

	1	1	"C 11
			"Subareolar region",
			"Axillary tail region",
			"Central region of breast",
			"Axilla region",
>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>>(0040,A040)	CS	Value Type	"CODE"
>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111020"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Depth"
>>>(0040,A168)	SQ	Concept Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"G-A105",
			"G-A109", or
			"G-A106"
>>>>(0008,0102)	SH	Code Scheme Designator	"SRT"
>>>>(0008,0104)	LO	Code Meaning	"Anterior",
			"Middle", or
			"Posterior"
>>>(0040,A730)	SQ	Content Sequence	Two single image findings of
			mammography breast density shall exist
>>>(0040,A010)	CS	Relationship Type	"CONTAINS"
>>>>(0040,A040)	CS	Value Type	"CODE"
>>>>(0040,A043)	SQ	Concept-name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111059"
>>>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Single Image Finding"
>>>(0040,A168)	SQ	Concept Code Sequence	1
>>>>>(0008,0100)	SH	Code Value	"F-01775"
>>>>(0008,0102)	SH	Code Scheme Designator	"SRT"
>>>>(0008,0103)	SH	Code Scheme Version	"1.1"
>>>>(0008,0104)	LO	Code Meaning	"Calcification Cluster"
>>>(0040,A730)	SQ	Content Sequence	See Table 59 for calcification cluster
(,)		1	single image finding

Table 62 - Summary of Detections (TID 4000, TID 4015, TID 4017, TID 4019, TID 4023)

Group and Element	VR	Description	Value
>(0040,A010)	CS	Relationship Type	"CONTAINS"
>(0040,A040)	CS	Value Type	"CODE"
>(0040,A043)	SQ	Concept-name Code Sequence	1
>>(0008,0100)	SH	Code Value	"111064"
>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>(0008,0104)	LO	Code Meaning	"Summary of Detections"
>(0040,A168)	SQ	Concept Code Sequence	1
>>(0008,0100)	SH	Code Value	"111222" if successful.
, ,			"111223" if partially succeeded
			"111224" if failed.
>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>(0008,0104)	LO	Code Meaning	"Succeeded",
			"Partially Succeeded", or "Failed"
>(0040,A730)	SQ	Content Sequence	Can have a container sequence for
			successful detections and another
			container for failed detections
>>(0040,A010)	CS	Relationship Type	"INFERRED FROM"
>>(0040,A040)	CS	Value Type	"CONTAINER"
>>(0040,A043)	SQ	Concept Name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"111063" for successful detections.
			"111025" for failed detections
>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Successful Detections" or "Failed
		_	Detections"
>>(0040,A050)	CS	Continuity of Content	"SEPARATE"
>>(0040,A730)	SQ	Content Sequence	Two sequences shall exist, one for
			densities and one for calcifications.
>>>(0040,A010)	CS	Relationship Type	"CONTAINS"
>>>(0040,A040)	CS	Value Type	"CODE"
>>>(0040,A043)	SQ	Concept Name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"111022"
>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Detection Performed"
>>>(0040,A168)	SQ	Concept Code Sequence	1
>>>(0008,0100)	SH	Code Value	"F-01796"
>>>(0008,0102)	SH	Coding Scheme Designator	"SRT"
>>>(0008,0102)	SH	Coding Scheme Version	"1.1"
>>>(0008,0104)	LO	Code Meaning	"Mammography breast density"
>>>(0040,A730)	SQ	Content Sequence	1
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"TEXT"
>>>(0040,A043)	SQ	Concept Name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111001"
>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Algorithm Name"
>>>(0040,A160)	UT	Text Value	"iCAD PowerLook" for 2D CAD
			"Tomo Detection" for Tomo CAD
>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"TEXT"
>>>>(0040,A043)	SQ	Concept Name Code Sequence	1

>>>> (0009 0100)	SH	Code Value	"111003"
>>>>(0008,0100)		Code Value	"DCM"
>>>>(0008,0102)	SH	Coding Scheme Designator	
>>>>(0008,0104)	LO	Code Meaning	"Algorithm Version"
>>>(0040,A730)	SQ	Content Sequence	1
>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>>(0040,A040)	CS	Value Type	"TEXT"
>>>(0040,A043)	SQ	Concept Name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111002"
>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning "Algorithm Parameters"	
>>>(0040,A160)	UT	Text Value	"Static" or "Dynamic" depending on
			operating point setting
>>>>(0040,A160)	UT	Text Value	"Premier" or "X.Y-Z", where X.Y
			equals the current CAD version and Z
			equals the operating point.
			L = Low Op Point
			M = Medium Op Point
			H = High Op Point
			D = Dynamic Op Point
			Tomo Detection:
			"2.x.x.x-Y" for Tomo Detection 2.0,
			where Y equals the operating point.
			L = Low Op Point
			M = Medium Op Point
			H = High Op Point
			D = Dynamic Op Point
(0040 4010)	CC	D 1 (1 11 TF	(III A C DD ODEDÆJEC"
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>>(0040,A010) >>>>(0040,DB73)	CS UL	Relationship Type Referenced Content Item Identifier	$X\Y\Z$, which represents the reference
>>>(0040,DB73)	UL	Referenced Content Item Identifier	$X\Y\Z$, which represents the reference node position of the image processed.
>>>>(0040,DB73) >>(0040,A730)	UL SQ	Referenced Content Item Identifier Content Sequence	X\Y\Z, which represents the reference node position of the image processed.
>>>(0040,DB73) >>(0040,A730) >>>(0040,A010)	UL SQ CS	Referenced Content Item Identifier Content Sequence Relationship Type	X\Y\Z, which represents the reference node position of the image processed. 1 "CONTAINS"
>>>(0040,DB73) >>(0040,A730) >>>(0040,A010) >>>(0040,A040)	UL SQ CS CS	Referenced Content Item Identifier Content Sequence Relationship Type Value Type	X\Y\Z, which represents the reference node position of the image processed. 1 "CONTAINS" "CODE"
>>>(0040,DB73) >>(0040,A730) >>>(0040,A010) >>>(0040,A040) >>>(0040,A043)	UL SQ CS CS SQ	Referenced Content Item Identifier Content Sequence Relationship Type Value Type Concept Name Code Sequence	X\Y\Z, which represents the reference node position of the image processed. 1 "CONTAINS" "CODE"
>>>(0040,DB73) >>(0040,A730) >>>(0040,A010) >>>(0040,A040) >>>(0040,A043) >>>(0008,0100)	UL SQ CS CS SSQ SH	Referenced Content Item Identifier Content Sequence Relationship Type Value Type Concept Name Code Sequence Code Value	X\Y\Z, which represents the reference node position of the image processed. 1 "CONTAINS" "CODE" 1 "111022"
>>>(0040,DB73) >>(0040,A730) >>>(0040,A010) >>>(0040,A040) >>>(0040,A043) >>>(0008,0100) >>>(0008,0102)	UL SQ CS CS SY SH SH	Referenced Content Item Identifier Content Sequence Relationship Type Value Type Concept Name Code Sequence Code Value Coding Scheme Designator	X\Y\Z, which represents the reference node position of the image processed. 1 "CONTAINS" "CODE" 1 "111022" "DCM"
>>>(0040,DB73) >>(0040,A730) >>>(0040,A010) >>>(0040,A040) >>>(0040,A043) >>>(0008,0100) >>>(0008,0102) >>>>(0008,0104)	UL SQ CS CS SY SH SH LO	Referenced Content Item Identifier Content Sequence Relationship Type Value Type Concept Name Code Sequence Code Value Coding Scheme Designator Code Meaning	X\Y\Z, which represents the reference node position of the image processed. 1 "CONTAINS" "CODE" 1 "111022"
>>>(0040,DB73) >>(0040,A730) >>>(0040,A010) >>>(0040,A040) >>>(0040,A043) >>>(0008,0100) >>>(0008,0102) >>>(0008,0104) >>>(0040,A168)	UL SQ CS CS SQ SH SH LO SQ	Referenced Content Item Identifier Content Sequence Relationship Type Value Type Concept Name Code Sequence Code Value Coding Scheme Designator Code Meaning Concept Code Sequence	X\Y\Z, which represents the reference node position of the image processed. 1 "CONTAINS" "CODE" 1 "111022" "DCM" "Detection Performed" 1
>>>(0040,DB73) >>(0040,A730) >>>(0040,A010) >>>(0040,A040) >>>(0040,A043) >>>(0008,0100) >>>(0008,0104) >>>(0040,A168) >>>(0008,0100)	SQ CS CS SQ SH SH LO SQ SH	Referenced Content Item Identifier Content Sequence Relationship Type Value Type Concept Name Code Sequence Code Value Coding Scheme Designator Code Meaning Concept Code Sequence Code Value	X\Y\Z, which represents the reference node position of the image processed. 1 "CONTAINS" "CODE" 1 "111022" "DCM" "Detection Performed" 1 "F-01775"
>>>(0040,DB73) >>(0040,A730) >>>(0040,A010) >>>(0040,A040) >>>(0040,A043) >>>(0008,0100) >>>(0008,0102) >>>(0008,0104) >>>(0040,A168)	UL SQ CS CS SQ SH SH LO SQ	Referenced Content Item Identifier Content Sequence Relationship Type Value Type Concept Name Code Sequence Code Value Coding Scheme Designator Code Meaning Concept Code Sequence	X\Y\Z, which represents the reference node position of the image processed. 1 "CONTAINS" "CODE" 1 "111022" "DCM" "Detection Performed" 1 "F-01775" "SRT"
>>>(0040,DB73) >>(0040,A730) >>>(0040,A010) >>>(0040,A040) >>>(0040,A043) >>>(0008,0100) >>>(0008,0104) >>>(0040,A168) >>>(0008,0100)	SQ CS CS SQ SH SH LO SQ SH	Referenced Content Item Identifier Content Sequence Relationship Type Value Type Concept Name Code Sequence Code Value Coding Scheme Designator Code Meaning Concept Code Sequence Code Value	X\Y\Z, which represents the reference node position of the image processed. 1 "CONTAINS" "CODE" 1 "111022" "DCM" "Detection Performed" 1 "F-01775"
>>>(0040,DB73) >>(0040,A730) >>>(0040,A010) >>>(0040,A040) >>>(0040,A043) >>>(0008,0100) >>>(0008,0104) >>>(0040,A168) >>>(0008,0100) >>>(0008,0100) >>>(0008,0100) >>>(0008,0100)	SQ CS CS SQ SH SH LO SQ SH SH	Referenced Content Item Identifier Content Sequence Relationship Type Value Type Concept Name Code Sequence Code Value Coding Scheme Designator Code Meaning Concept Code Sequence Code Value Coding Scheme Designator	X\Y\Z, which represents the reference node position of the image processed. 1 "CONTAINS" "CODE" 1 "111022" "DCM" "Detection Performed" 1 "F-01775" "SRT"
>>>(0040,DB73) >>(0040,A730) >>>(0040,A010) >>>(0040,A040) >>>(0040,A043) >>>(0008,0100) >>>(0008,0102) >>>(0040,A168) >>>(0008,0100) >>>(0008,0100) >>>(0008,0100) >>>(0008,0103)	SQ CS CS SQ SH SH LO SQ SH SH	Referenced Content Item Identifier Content Sequence Relationship Type Value Type Concept Name Code Sequence Code Value Coding Scheme Designator Code Meaning Concept Code Sequence Code Value Coding Scheme Designator Code Value Coding Scheme Designator Coding Scheme Designator Coding Scheme Version	X\Y\Z, which represents the reference node position of the image processed. "CONTAINS" "CODE" 1 "111022" "DCM" "Detection Performed" 1 "F-01775" "SRT" "1.1"
>>>(0040,DB73) >>(0040,A730) >>>(0040,A010) >>>(0040,A040) >>>(0040,A043) >>>(0008,0100) >>>(0008,0102) >>>(00040,A168) >>>(0008,0100) >>>(0008,0100) >>>(0008,0100) >>>(0008,0100) >>>(0008,0100) >>>(0008,0100) >>>(0008,0100) >>>(0008,0100) >>>(0008,0103) >>>>(0008,0104)	SQ CS CS SQ SH SH LO SQ SH SH SH LO	Referenced Content Item Identifier Content Sequence Relationship Type Value Type Concept Name Code Sequence Code Value Coding Scheme Designator Code Meaning Concept Code Sequence Code Value Coding Scheme Designator Code Walue Coding Scheme Designator Code Walue Coding Scheme Version Code Meaning	X\Y\Z, which represents the reference node position of the image processed. "CONTAINS" "CODE" 1 "111022" "DCM" "Detection Performed" 1 "F-01775" "SRT" "1.1" "Calcification Cluster"
>>>(0040,DB73) >>(0040,A730) >>>(0040,A010) >>>(0040,A040) >>>(0040,A043) >>>(0008,0100) >>>(0008,0102) >>>(0040,A168) >>>(0040,A168) >>>(0008,0102) >>>(0008,0103) >>>(0008,0104) >>>(0008,0103) >>>(0008,0104) >>>(0008,0103) >>>(0008,0104) >>>(0008,0104)	SQ CS CS SQ SH SH LO SQ SH SH LO SQ SH SH SH CO SQ SH SH SH CO SQ	Referenced Content Item Identifier Content Sequence Relationship Type Value Type Concept Name Code Sequence Code Value Coding Scheme Designator Code Meaning Concept Code Sequence Code Value Coding Scheme Designator Code Walue Coding Scheme Designator Code Walue Coding Scheme Version Code Meaning Content Sequence Relationship Type	X\Y\Z, which represents the reference node position of the image processed. "CONTAINS" "CODE" 1 "111022" "DCM" "Detection Performed" 1 "F-01775" "SRT" "1.1" "Calcification Cluster" 1
>>>(0040,DB73) >>(0040,A730) >>>(0040,A010) >>>(0040,A040) >>>(0040,A043) >>>(0008,0100) >>>(0008,0102) >>>(0040,A168) >>>(0040,A168) >>>(0008,0102) >>>(0008,0102) >>>(0008,0104) >>>(0008,0104) >>>(0008,0104) >>>(0008,0103) >>>(0008,0104) >>>(0040,A730) >>>(0040,A010)	SQ CS CS SQ SH SH SH SH LO SQ CS CS CS CS	Referenced Content Item Identifier Content Sequence Relationship Type Value Type Concept Name Code Sequence Code Value Coding Scheme Designator Code Meaning Concept Code Sequence Code Value Coding Scheme Designator Code Walue Coding Scheme Designator Code Walue Coding Scheme Version Code Meaning Content Sequence Relationship Type Value Type	X\Y\Z, which represents the reference node position of the image processed. 1 "CONTAINS" "CODE" 1 "111022" "DCM" "Detection Performed" 1 "F-01775" "SRT" "1.1" "Calcification Cluster" 1 "HAS PROPERTIES"
>>>(0040,DB73) >>(0040,A730) >>>(0040,A010) >>>(0040,A040) >>>(0040,A043) >>>(0008,0100) >>>(0008,0104) >>>(0040,A168) >>>(0008,0100) >>>(0008,0100) >>>(0008,0100) >>>(0008,0100) >>>(0008,0100) >>>(0008,0101) >>>(0008,0101) >>>(0008,0101) >>>(0008,0101) >>>(0008,0101) >>>(0040,A010) >>>(0040,A010) >>>(0040,A040) >>>(0040,A043)	SQ CS SQ SH SH LO SQ SH SH SH CS SQ SQ SS SH SH SH SH SH CS SQ CS CS SQ	Referenced Content Item Identifier Content Sequence Relationship Type Value Type Concept Name Code Sequence Code Value Coding Scheme Designator Code Meaning Concept Code Sequence Code Value Coding Scheme Designator Code Walue Coding Scheme Designator Code Walue Coding Scheme Version Code Meaning Content Sequence Relationship Type Value Type Concept Name Code Sequence	X\Y\Z, which represents the reference node position of the image processed. "CONTAINS" "CODE" 1 "111022" "DCM" "Detection Performed" 1 "F-01775" "SRT" "1.1" "Calcification Cluster" 1 "HAS PROPERTIES" "TEXT"
>>>(0040,DB73) >>(0040,A730) >>>(0040,A010) >>>(0040,A040) >>>(0040,A043) >>>(0008,0100) >>>(0008,0104) >>>(0040,A168) >>>(0008,0100) >>>(0008,0100) >>>(0008,0100) >>>(0008,0100) >>>(0008,0100) >>>(0008,0100) >>>(0008,0101) >>>(0040,A730) >>>(0040,A010) >>>(0040,A040) >>>(0040,A043) >>>>(0040,A043) >>>>(0008,0100)	SQ CS SQ SH SH LO SQ CS CS SQ SH SH SH SH LO SQ CS CS SQ SH	Referenced Content Item Identifier Content Sequence Relationship Type Value Type Concept Name Code Sequence Code Value Coding Scheme Designator Code Meaning Concept Code Sequence Code Value Coding Scheme Designator Code Walue Coding Scheme Designator Code Walue Coding Scheme Version Code Meaning Content Sequence Relationship Type Value Type Concept Name Code Sequence Code Value	X\Y\Z, which represents the reference node position of the image processed. "CONTAINS" "CODE" 1 "111022" "DCM" "Detection Performed" 1 "F-01775" "SRT" "1.1" "Calcification Cluster" 1 "HAS PROPERTIES" "TEXT" 1 "111001"
>>>(0040,DB73) >>(0040,A730) >>>(0040,A010) >>>(0040,A040) >>>(0040,A043) >>>(0008,0100) >>>(0008,0104) >>>(0040,A168) >>>(0008,0102) >>>(0008,0102) >>>(0008,0103) >>>(0008,0104) >>>(0040,A730) >>>(0040,A730) >>>(0040,A010)	SQ CS CS SQ SH SH LO SQ CS CS SQ SH	Referenced Content Item Identifier Content Sequence Relationship Type Value Type Concept Name Code Sequence Code Value Coding Scheme Designator Code Meaning Concept Code Sequence Code Value Coding Scheme Designator Code Walue Coding Scheme Designator Code Meaning Content Sequence Relationship Type Value Type Concept Name Code Sequence Code Value Coding Scheme Designator	X\Y\Z, which represents the reference node position of the image processed. "CONTAINS" "CODE" "111022" "DCM" "Detection Performed" 1 "F-01775" "SRT" "1.1" "Calcification Cluster" 1 "HAS PROPERTIES" "TEXT" 1 "111001" "DCM"
>>>(0040,DB73) >>(0040,A730) >>>(0040,A010) >>>(0040,A040) >>>(0040,A043) >>>(0008,0100) >>>(0008,0102) >>>(0040,A168) >>>(0040,A168) >>>(0008,0102) >>>(0008,0102) >>>(0008,0103) >>>(0008,0104) >>>(0040,A730) >>>(0040,A010) >>>>(0040,A040) >>>>(0040,A040) >>>>(0040,A043) >>>>(0040,A043) >>>>(0008,0102) >>>>(0040,A043) >>>>(0040,A040) >>>>(0040,A040) >>>>(0008,0102) >>>>(0008,0102) >>>>(0008,0102) >>>>(0008,0104)	SQ CS SQ SH SH LO SQ CS CS SQ SH SH LO SQ CS CS SQ SH SH LO SQ CS CS SQ SH SH LO	Referenced Content Item Identifier Content Sequence Relationship Type Value Type Concept Name Code Sequence Code Value Coding Scheme Designator Code Meaning Concept Code Sequence Code Value Coding Scheme Designator Code Walue Coding Scheme Designator Code Meaning Content Sequence Relationship Type Value Type Concept Name Code Sequence Code Value Coding Scheme Designator Code Meaning Concept Name Code Sequence Code Value Coding Scheme Designator Code Meaning	X\Y\Z, which represents the reference node position of the image processed. "CONTAINS" "CODE" 1 "111022" "DCM" "Detection Performed" 1 "F-01775" "SRT" "1.1" "Calcification Cluster" 1 "HAS PROPERTIES" "TEXT" 1 "111001" "DCM" "Algorithm Name"
>>>(0040,DB73) >>(0040,A730) >>>(0040,A010) >>>(0040,A040) >>>(0040,A043) >>>(0008,0100) >>>(0008,0104) >>>(0008,0104) >>>(0008,0100) >>>(0008,0100) >>>(0008,0100) >>>(0008,0100) >>>(0008,0100) >>>(0008,0103) >>>(0040,A730) >>>(0040,A010) >>>(0040,A040) >>>(0040,A043) >>>>(0040,A043) >>>>(0008,0102)	SQ CS CS SQ SH SH LO SQ CS CS SQ SH	Referenced Content Item Identifier Content Sequence Relationship Type Value Type Concept Name Code Sequence Code Value Coding Scheme Designator Code Meaning Concept Code Sequence Code Value Coding Scheme Designator Code Walue Coding Scheme Designator Code Meaning Content Sequence Relationship Type Value Type Concept Name Code Sequence Code Value Coding Scheme Designator	X\Y\Z, which represents the reference node position of the image processed. "CONTAINS" "CODE" 1 "111022" "DCM" "Detection Performed" 1 "F-01775" "SRT" "1.1" "Calcification Cluster" 1 "HAS PROPERTIES" "TEXT" 1 "111001" "DCM" "Algorithm Name" "iCAD PowerLook" for 2D CAD
>>>(0040,DB73) >>(0040,A730) >>>(0040,A010) >>>(0040,A040) >>>(0040,A043) >>>(008,0100) >>>(008,0102) >>>(008,0100) >>>(0040,A168) >>>(008,0100) >>>(008,0100) >>>(008,0100) >>>(0008,0100) >>>(0008,0100) >>>(0008,0100) >>>(0008,0100) >>>(0008,0103) >>>(0040,A730) >>>(0040,A040) >>>(0040,A040) >>>(0040,A043) >>>>(0040,A043) >>>>(0008,0102) >>>>(0008,0102) >>>>(0040,A043) >>>>(0040,A040) >>>>(0040,A040) >>>>(0040,A040) >>>>(0040,A040) >>>>(0040,A040) >>>>(0040,A043) >>>>(0040,A040) >>>>(0040,A040) >>>>(0040,A040) >>>>(0040,A040) >>>>(0040,A040)	SQ CS SQ SH SH LO SQ CS CS SQ SH SH LO TS SQ SH SH LO TS SQ TS SQ TS SQ TS SQ TS SD	Referenced Content Item Identifier Content Sequence Relationship Type Value Type Concept Name Code Sequence Code Value Coding Scheme Designator Code Meaning Concept Code Sequence Code Value Coding Scheme Designator Code Walue Coding Scheme Designator Code Meaning Content Sequence Relationship Type Value Type Concept Name Code Sequence Code Value Coding Scheme Designator Code Meaning Text Value	X\Y\Z, which represents the reference node position of the image processed. "CONTAINS" "CODE" 1 "111022" "DCM" "Detection Performed" 1 "F-01775" "SRT" "1.1" "Calcification Cluster" 1 "HAS PROPERTIES" "TEXT" 1 "111001" "DCM" "Algorithm Name" "iCAD PowerLook" for 2D CAD "Tomo Detection" for Tomo CAD
>>>(0040,DB73) >>(0040,A730) >>>(0040,A010) >>>(0040,A040) >>>(0040,A043) >>>(0008,0100) >>>(0008,0102) >>>(0040,A168) >>>(0040,A168) >>>(0008,0102) >>>(0008,0102) >>>(0008,0103) >>>(0008,0104) >>>(0040,A730) >>>(0040,A010) >>>>(0040,A040) >>>>(0040,A040) >>>>(0040,A043) >>>>(0040,A043) >>>>(0008,0102) >>>>(0040,A043) >>>>(0040,A040) >>>>(0040,A040) >>>>(0008,0102) >>>>(0008,0102) >>>>(0008,0102) >>>>(0008,0104)	SQ CS SQ SH SH LO SQ CS CS SQ SH SH LO SQ CS CS SQ SH SH LO SQ CS CS SQ SH SH LO	Referenced Content Item Identifier Content Sequence Relationship Type Value Type Concept Name Code Sequence Code Value Coding Scheme Designator Code Meaning Concept Code Sequence Code Value Coding Scheme Designator Code Walue Coding Scheme Designator Code Meaning Content Sequence Relationship Type Value Type Concept Name Code Sequence Code Value Coding Scheme Designator Code Meaning Concept Name Code Sequence Code Value Coding Scheme Designator Code Meaning	X\Y\Z, which represents the reference node position of the image processed. "CONTAINS" "CODE" 1 "111022" "DCM" "Detection Performed" 1 "F-01775" "SRT" "1.1" "Calcification Cluster" 1 "HAS PROPERTIES" "TEXT" 1 "111001" "DCM" "Algorithm Name" "iCAD PowerLook" for 2D CAD

>>> (0040 A042)	CO	Concept Name Code Seguence	1	
>>>(0040,A043)	SQ	Concept Name Code Sequence	1 "111003"	
>>>>(0008,0100)	SH	Code Value	"DCM"	
>>>>(0008,0102)	SH	Coding Scheme Designator		
>>>>(0008,0104)	LO	Code Meaning	"Algorithm Version"	
>>>(0040,A730)	SQ	Content Sequence	1	
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"	
>>>>(0040,A040)	CS	Value Type	"TEXT"	
>>>>(0040,A043)	SQ	Concept Name Code Sequence	1	
>>>>(0008,0100)	SH	Code Value	"111002"	
>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"	
>>>>(0008,0104)	LO	Code Meaning "Algorithm Parameters"		
>>>(0040,A160)	UT	Text Value	"Static" or "Dynamic" depending on	
	<u> </u>		operating point setting	
>>>(0040,A160)	UT	Text Value	"Premier" or "X.Y-Z", where X.Y	
			equals the current CAD version and Z	
			equals the operating point.	
			L = Low Op Point	
			M = Medium Op Point	
			H = High Op Point	
			D = Dynamic Op Point	
			Tomo Detection:	
			"2.x.x.x-Y" for Tomo Detection 2.0,	
			where Y equals the operating point.	
			L = Low Op Point	
			M = Medium Op Point	
			H = High Op Point	
			D = Dynamic Op Point	
>>>(0040,A730)	SQ	Content Sequence	Repeat this sequence for the number of	
///(0040,A730)	SQ	Content Sequence	images that were processed successfully	
			or that failed based on its container.	
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"	
>>>(0040,R010)	UL	Referenced Content Item Identifier	$X \setminus Y \setminus Z$, which represents the reference	
////(00 1 0,DD73)	OL	Referenced Content Item Identifier	node position of the image processed.	
>>>(0040,A730)	SQ	Content Sequence	Sequence exists only if the add	
>>>(0040,A730)	SQ	Content Sequence	maximum operating point feature is	
			enabled.	
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"	
>>>(0040,A040)	CS	Value Type	"NUM"	
>>>(0040,A043)	SQ	Concept Name Code Sequence	1	
>>>>(0040,A043)	SH	Code Value	"111072"	
>>>>(0008,0100)		Coding Scheme Designator		
////(0000,0104)	LSH		"DCM"	
	SH			
>>>>(0008,0104)	LO	Code Meaning	"Maximum CAD Operating Point"	
>>>>(0008,0104) >>>>(0040,08EA)	LO SQ	Code Meaning Measurement Units Code Sequence	"Maximum CAD Operating Point"	
>>>>(0008,0104) >>>>(0040,08EA) >>>>>(0008,0100)	LO SQ SH	Code Meaning Measurement Units Code Sequence Code Value	"Maximum CAD Operating Point" 1 "[arb'U]"	
>>>>(0008,0104) >>>>(0040,08EA) >>>>>(0008,0100) >>>>>(0008,0102)	LO SQ SH SH	Code Meaning Measurement Units Code Sequence Code Value Coding Scheme Designator	"Maximum CAD Operating Point" 1 "[arb'U]" "UCUM"	
>>>>(0008,0104) >>>>(0040,08EA) >>>>>(0008,0100) >>>>>(0008,0102) >>>>>(0008,0102)	LO SQ SH SH SH	Code Meaning Measurement Units Code Sequence Code Value Coding Scheme Designator Coding Scheme Version	"Maximum CAD Operating Point" 1 "[arb'U]" "UCUM" "1.4"	
>>>>(0008,0104) >>>>(0040,08EA) >>>>>(0008,0100) >>>>>(0008,0102) >>>>>(0008,0102) >>>>>(0008,0104)	LO SQ SH SH SH LO	Code Meaning Measurement Units Code Sequence Code Value Coding Scheme Designator Coding Scheme Version Code Meaning	"Maximum CAD Operating Point" 1 "[arb'U]" "UCUM" "1.4" "arbitrary unit"	
>>>>(0008,0104) >>>>>(0040,08EA) >>>>>(0008,0100) >>>>>(0008,0102) >>>>>(0008,0102) >>>>>(0008,0104) >>>>>(0008,0104) >>>>>(0040,A30A)	LO SQ SH SH SH LO DS	Code Meaning Measurement Units Code Sequence Code Value Coding Scheme Designator Coding Scheme Version Code Meaning Numeric Value	"Maximum CAD Operating Point" 1 "[arb'U]" "UCUM" "1.4" "arbitrary unit" "2.0"	
>>>>(0008,0104) >>>>>(0040,08EA) >>>>>(0008,0100) >>>>>(0008,0102) >>>>>(0008,0102) >>>>>(0008,0104)	LO SQ SH SH SH LO	Code Meaning Measurement Units Code Sequence Code Value Coding Scheme Designator Coding Scheme Version Code Meaning	"Maximum CAD Operating Point" 1 "[arb'U]" "UCUM" "1.4" "arbitrary unit" "2.0" Sequence exists only if the add	
>>>>(0008,0104) >>>>>(0040,08EA) >>>>>(0008,0100) >>>>>(0008,0102) >>>>>(0008,0102) >>>>>(0008,0104) >>>>>(0008,0104) >>>>>(0040,A30A)	LO SQ SH SH SH LO DS	Code Meaning Measurement Units Code Sequence Code Value Coding Scheme Designator Coding Scheme Version Code Meaning Numeric Value	"Maximum CAD Operating Point" 1 "[arb'U]" "UCUM" "1.4" "arbitrary unit" "2.0" Sequence exists only if the add recommended operating point feature is	
>>>>(0008,0104) >>>>>(0040,08EA) >>>>>(0008,0100) >>>>>(0008,0102) >>>>>(0008,0102) >>>>>(0008,0104) >>>>>(0008,0104) >>>>>(0040,A30A)	LO SQ SH SH SH LO DS	Code Meaning Measurement Units Code Sequence Code Value Coding Scheme Designator Coding Scheme Version Code Meaning Numeric Value	"Maximum CAD Operating Point" 1 "[arb'U]" "UCUM" "1.4" "arbitrary unit" "2.0" Sequence exists only if the add	

(00.10, 1.0.10)	CC	L XX 1 CD	(AMD 6)
>>>>(0040,A040)	CS	Value Type	"NUM"
>>>>(0040,A043)	SQ	Concept Name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111092"
>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Recommended CAD Operating Point"
>>>>(0040,08EA)	SQ	Measurement Units Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"{0:2}"
>>>>(0008,0102)	SH	Coding Scheme Designator	"UCUM"
>>>>(0008,0102)	SH	Coding Scheme Version	"1.4"
>>>>(0008,0104)	LO	Code Meaning	"range: 0:2"
>>>>(0040,A30A)	DS	Numeric Value	"1.0"
>>>(0040,A730)	SQ	Content Sequence	Sequence exists only if the add operating
		_	point table feature is enabled.
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"CONTAINER"
>>>(0040,A043)	SQ	Concept Name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111093"
>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Operating Point Table"
>>>(0040,A050)	CS	Continuity of Content	"SEPARATE"
>>>(0040,A730)	SQ	Content Sequence	
>>>>(0040,A010)	CS	Relationship Type	"CONTAINS"
>>>>(0040,A040)	CS	Value Type	"CODE"
>>>>(0040,A043)	SQ	Concept Name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"122698"
>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"X-Concept"
>>>>(0040,A168)	CS	Concept Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111090"
>>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Case Specificity"
>>>(0040,A730)	SQ	Content Sequence	
>>>>(0040,A010)	CS	Relationship Type	"CONTAINS"
>>>>(0040,A040)	CS	Value Type	"CODE"
>>>>(0040,A043)	SQ	Concept Name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"122699"
>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Y-Concept"
>>>>(0040,A168)	CS	Concept Code Sequence	1
>>>>(0010,11100)	SH	Code Value	"111088"
>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Case Sensitivity"
>>>(0040,A730)	SQ	Content Sequence	
>>>>(0040,A010)	CS	Relationship Type	"CONTAINS"
>>>>(0040,A040)	CS	Value Type	"NUM"
>>>>(0040,A043)	SQ	Concept Name Code Sequence	1
>>>>(00040,11043)	SH	Code Value	"111071"
>>>>(0008,0100)	SH	Coding Scheme Designator	"DCM"
>>>>(0008,0102)	LO	Code Meaning	"CAD Operating Point"
>>>>(0040,A300)	SQ	Measured Value Sequence	1
>>>>(0040,A300)	SQ	Measurement Units Code Sequence	1
>>>>>(0040,08LA)	SH	Code Value	"{0:2}"
>>>>>(0008,0100)	SH	Coding Scheme Designator	"UCUM"
>>>>>(0008,0102)	SH	Coding Scheme Version	"1.4"
/////(0000,0102)	N11	County Delicine Version	4+1

>>>>>(0008,0104)	LO	Code Meaning	"range: 0:2"
>>>>>(0040,A30A)	DS	Numeric Value	"0.0"
>>>>(0040,A30A)	SQ	Content Sequence	0.0
>>>>(0040,A730)	CS	Relationship Type	"HAS PROPERTIES"
>>>>(0040,A010)	CS	Value Type	"TEXT"
>>>>(0040,A040)	SQ	Concept Name Code Sequence	1 1
>>>>>(0040,A043)	SH	Code Value	"111081"
>>>>>(0008,0100)	SH	Coding Scheme Designator	"DCM"
>>>>>(0008,0102)	LO	Code Meaning	"CAD Operating Point Description"
>>>>>(0040,A160)	UT	Text Value	"Low"
>>>>(0040,A100)	SQ	Content Sequence	Low
>>>>(0040,A730)	CS	Relationship Type	"HAS PROPERTIES"
>>>>(0040,A010)	CS	Value Type	"NUM"
>>>>(0040,A040)	SQ	Concept Name Code Sequence	1 1
>>>>>(0040,A043)	SH	Code Value	"111090"
	SH	Coding Scheme Designator	"DCM"
>>>>>(0008,0102)		<u> </u>	
>>>>>(0008,0104)	LO SQ	Code Meaning Measured Value Sequence	"Case Specificity"
>>>>(0040,A300)	_ `	Measurement Units Code Sequence	1
>>>>>(0040,08EA)	SQ	•	
>>>>>>(0008,0100)	SH	Code Value	"111087" "DCM"
>>>>>>(0008,0102)	SH	Coding Scheme Designator	
>>>>>>(0008,0104)	LO	Code Meaning	"False Markers per Case"
>>>>>(0040,A30A)	DS	Numeric Value	"1.95"
>>>>(0040,A730)	SQ	Content Sequence	WILL C DEODED THE C?
>>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>>>(0040,A040)	CS	Value Type	"NUM"
>>>>(0040,A043)	SQ	Concept Name Code Sequence	1 (111000)
>>>>>(0008,0100)	SH	Code Value	"111088"
>>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>>(0008,0104)	LO	Code Meaning	"Case Sensitivity"
>>>>>(0040,A300)	SQ	Measured Value Sequence	1
>>>>>(0040,08EA)	SQ	Measurement Units Code Sequence	1
>>>>>>(0008,0100)	SH	Code Value	"%"
>>>>>>(0008,0102)	SH	Coding Scheme Designator	"UCUM" "1.4"
>>>>>>(0008,0102)	SH	Coding Scheme Version	
>>>>>>(0008,0104)	LO	Code Meaning	"Percent"
>>>>>(0040,A30A)	DS	Numeric Value	"90.0"
>>>(0040,A730)	SQ	Content Sequence	"CONT AINC"
>>>>(0040,A010)	CS	Relationship Type	"CONTAINS"
>>>>(0040,A040)	CS	Value Type Concept Name Code Sequence	"NUM"
>>>>(0040,A043)	SQ	1 1	1 "111071"
>>>>(0008,0100)	SH	Coding Schame Designator	"111071"
>>>>(0008,0102)	SH	Code Manning	"DCM" "CAD Operating Point"
>>>>(0008,0104)	LO	Code Meaning Measured Value Sequence	"CAD Operating Point"
>>>>(0040,A300)	SQ	1	1
>>>>(0040,08EA)	SQ	Measurement Units Code Sequence Code Value	
>>>>>(0008,0100)	SH SH		"{0:2}" "UCUM"
>>>>>(0008,0102)		Coding Scheme Designator	"1.4"
>>>>>(0008,0102)	SH	Coding Scheme Version	
>>>>>(0008,0104)	LO	Code Meaning	"range: 0:2" "1.0"
>>>>(0040,A30A)	DS	Numeric Value	1.U
>>>>(0040,A730)	SQ	Content Sequence	"ILLA C. DD ODED THEO?"
>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"

(0040 4040)	CC	XI.1 . Tr	(CDENTER)
>>>>>(0040,A040)	CS	Value Type	"TEXT"
>>>>>(0040,A043)	SQ	Concept Name Code Sequence	1
>>>>>(0008,0100)	SH	Code Value	"111081"
>>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>>(0008,0104)	LO	Code Meaning	"CAD Operating Point Description"
>>>>>(0040,A160)	UT	Text Value	"Medium"
>>>>(0040,A730)	SQ	Content Sequence	
>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>>(0040,A040)	CS	Value Type	"NUM"
>>>>(0040,A043)	SQ	Concept Name Code Sequence	1
>>>>>(0008,0100)	SH	Code Value	"111090"
>>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>>(0008,0104)	LO	Code Meaning	"Case Specificity"
>>>>(0040,A300)	SQ	Measured Value Sequence	1
>>>>>(0040,08EA)	SQ	Measurement Units Code Sequence	1
>>>>>(0008,0100)	SH	Code Value	"111087"
>>>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>>(0008,0104)	LO	Code Meaning	"False Markers per Case"
>>>>>(0040,A30A)	DS	Numeric Value	"2.84"
>>>>(0040,A730)	SQ	Content Sequence	
>>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>>>(0040,A040)	CS	Value Type	"NUM"
>>>>>(0040,A043)	SQ	Concept Name Code Sequence	1
>>>>>(0008,0100)	SH	Code Value	"111088"
>>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>>(0008,0104)	LO	Code Meaning	"Case Sensitivity"
>>>>>(0040,A300)	SQ	Measured Value Sequence	1
>>>>>(0040,08EA)	SQ	Measurement Units Code Sequence	1
>>>>>(0008,0100)	SH	Code Value	"%"
>>>>>(0008,0102)	SH	Coding Scheme Designator	"UCUM"
>>>>>(0008,0102)	SH	Coding Scheme Version	"1.4"
>>>>>(0008,0104)	LO	Code Meaning	"Percent"
>>>>>(0040,A30A)	DS	Numeric Value	"91.8"
>>>(0040,A730)	SQ	Content Sequence	7 3 10
>>>>(0040,A010)	CS	Relationship Type	"CONTAINS"
>>>>(0040,A040)	CS	Value Type	"NUM"
>>>>(0040,A043)	SQ	Concept Name Code Sequence	1
>>>>(0040,1043)	SH	Code Value	"111071"
>>>>(0008,0100)	SH	Coding Scheme Designator	"DCM"
>>>>(0008,0102)	LO	Code Meaning	"CAD Operating Point"
>>>>(0040,A300)	SQ	Measured Value Sequence	1
>>>>(0040,A300)	SQ	Measurement Units Code Sequence	1
>>>>>(0040,00LH)	SH	Code Value	"{0:2}"
>>>>>(0008,0100)	SH	Coding Scheme Designator	"UCUM"
>>>>>(0008,0102)	SH	Coding Scheme Version	"1.4"
>>>>>(0008,0102)	LO	Code Meaning	"range: 0:2"
>>>>>(0040,A30A)	DS	Numeric Value	"2.0"
>>>>(0040,A30A)	SQ	Content Sequence	2.0
>>>>(0040,A730) >>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
	CS		"TEXT"
>>>>(0040,A040)		Value Type Concept Name Code Seguence	1
>>>>>(0040,A043)	SQ	Concept Name Code Sequence	"111081"
>>>>>(0008,0100)	SH	Code Value	
>>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"

>>>>>(0008,0104)	LO	Code Meaning	"CAD Operating Point Description"
>>>>(0040,A160)	UT	Text Value	"High"
>>>>(0040,A730)	SQ	Content Sequence	
>>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>>>(0040,A040)	CS	Value Type	"NUM"
>>>>>(0040,A043)	SQ	Concept Name Code Sequence	1
>>>>>(0008,0100)	SH	Code Value	"111090"
>>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>>(0008,0104)	LO	Code Meaning	"Case Specificity"
>>>>(0040,A300)	SQ	Measured Value Sequence	1
>>>>>(0040,08EA)	SQ	Measurement Units Code Sequence	1
>>>>>>(0008,0100)	SH	Code Value	"111087"
>>>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>>>(0008,0104)	LO	Code Meaning	"False Markers per Case"
>>>>>(0040,A30A)	DS	Numeric Value	"2.84"
>>>>(0040,A730)	SQ	Content Sequence	
>>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>>>(0040,A040)	CS	Value Type	"NUM"
>>>>>(0040,A043)	SQ	Concept Name Code Sequence	1
>>>>>(0008,0100)	SH	Code Value	"111088"
>>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>>(0008,0104)	LO	Code Meaning	"Case Sensitivity"
>>>>(0040,A300)	SQ	Measured Value Sequence	1
>>>>>(0040,08EA)	SQ	Measurement Units Code Sequence	1
>>>>>(0008,0100)	SH	Code Value	"%"
>>>>>(0008,0102)	SH	Coding Scheme Designator	"UCUM"
>>>>>(0008,0102)	SH	Coding Scheme Version	"1.4"
>>>>>(0008,0104)	LO	Code Meaning	"Percent"
>>>>>(0040,A30A)	DS	Numeric Value	"91.8"

Table 63 - Summary of Analyses (TID 4000, TID 4016)

Group and Element	VR	Description	Value
>(0040,A010)	CS	Relationship Type	"CONTAINS"
>(0040,A040)	CS	Value Type	"CODE"
>(0040,A043)	SQ	Concept-name Code Sequence	1
>>(0008,0100)	SH	Code Value	"111065"
>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>(0008,0104)	LO	Code Meaning	"Summary of Analyses"
>(0040,A168)	SQ	Concept Code Sequence	1
>>(0008,0100)	SH	Code Value	"111222" if successful.
			"111223" if partially succeeded.
			"111224" if failed.
			"111225" if not attempted.
>>(0008,0102)	SH	Code Scheme Designator	"DCM"
>>(0008,0104)	LO	Code Meaning	"Succeeded",
			"Partially Succeeded", "Failed", or "Not
			Attempted"
>(0040,A730)	SQ	Content Sequence	Can have a container sequence for
			successful detections and another
			container for failed detections
>>(0040,A010)	CS	Relationship Type	"INFERRED FROM"
>>(0040,A040)	CS	Value Type	"CONTAINER"

>>(0040,A043) SQ Concept Name Code Sequence 1
>>>(0008,0102) SH Coding Scheme Designator "DCM" "Successful Analyses" or "Failed Analyses" >>(0040,A050) CS Continuity of Content "SEPARATE" >>(0040,A730) SQ Content Sequence Two sequences shall exist, one for densities and one for calcifications fo 2D CAD. One sequence shall exist fo Density Assessment >>(0040,A010) CS Relationship Type "CONTAINS" **CODE" **CODES **CO
Social Analyses or "Failed Analyses" or "SEPARATE"
Section Sect
>>(0040,A050)
SQ
Density Assessment
Density Assessment
SSS SSS
>>>(0040,A040) CS Value Type "CODE" >>>(0040,A043) SQ Concept Name Code Sequence 1 >>>>(0008,0100) SH Code Value "111004" >>>(0008,0102) SH Coding Scheme Designator "DCM" >>>(0040,A168) SQ Concept Code Sequence 1 >>>(0040,A168) SQ Concept Code Sequence 1 >>>(0008,0100) SH Code Value "F-01796" ">5-843414" "STT" "STT" >>>(0008,0102) SH Coding Scheme Designator "STT" >>>(0008,0102) SH Coding Scheme Version "1.1" >>>(0008,0102) SH Code Meaning "Mammography breast density" "Breast composition analysis" >>>(0040,A730) SQ Content Sequence 1 >>>(0040,A010) CS Relationship Type "HAS PROPERTIES" >>>(0040,A040) CS Value Type "TEXT" >>>(0040,A043) SQ Concept Name Code Sequence 1 >>>>(0008,0102) SH Code V
>>>(0040,A043) SQ Concept Name Code Sequence 1 >>>>(0008,0100) SH Code Value "111004" >>>>(0008,0102) SH Coding Scheme Designator "DCM" >>>>(0040,A168) SQ Concept Code Sequence 1 >>>>(0008,0100) SH Code Value "F-01796" >>>(0008,0102) SH Coding Scheme Designator "SRT" >>>(0008,0102) SH Coding Scheme Version "1.1" >>>(0008,0102) SH Code Meaning "Mammography breast density" "Breast composition analysis" "Po(0040,A730) SQ Content Sequence 1 >>>(0040,A010) CS Relationship Type "HAS PROPERTIES" >>>(0040,A040) CS Value Type "TEXT" >>>>(0040,A043) SQ Concept Name Code Sequence 1 >>>>(0040,A043) SQ Concept Name Code Sequence 1 >>>>(0040,A043) SQ Code Walue "111001" >>>>(0008,0102) SH Code Value "111001" <
>>>>(0008,0100) SH Code Value "111004" >>>>(0008,0102) SH Coding Scheme Designator "DCM" >>>>(0040,A168) SQ Concept Code Sequence 1 >>>>(0008,0100) SH Code Value "F-01796" >>>>(0008,0102) SH Coding Scheme Designator "SRT" >>>>(0008,0102) SH Coding Scheme Version "1.1" >>>>(0008,0104) LO Code Meaning "Mammography breast density" "Breast composition analysis" "Secondary of the property of
SSS Coding Scheme Designator "DCM"
Note
>>>(0040,A168) SQ Concept Code Sequence 1 >>>>(0008,0100) SH Code Value "F-01796" >>>>(0008,0102) SH Coding Scheme Designator "SRT" >>>>(0008,0102) SH Coding Scheme Version "1.1" >>>>(0008,0104) LO Code Meaning "Mammography breast density" "Breast composition analysis" >>>(0040,A730) SQ Content Sequence 1 >>>(0040,A010) CS Relationship Type "HAS PROPERTIES" >>>(0040,A043) SQ Concept Name Code Sequence 1 >>>>(0040,A043) SQ Concept Name Code Sequence 1 >>>>(0040,A043) SQ Concept Name Code Sequence 1 >>>>(0040,A043) SQ Concept Name Code Sequence 1 >>>>(0040,A040) SH Code Value "111001" >>>>(0008,0102) SH Code Walue "11001" >>>>(0008,0104) LO Code Meaning "Algorithm Name" >>>(0040,A160) UT Text Value "ICAD PowerLook" for Density Assessment for Dens
>>>>(0008,0100) SH Code Value "F-01796" "P5-B3414" >>>>(0008,0102) SH Coding Scheme Designator "SRT" >>>>(0008,0102) SH Coding Scheme Version "1.1" >>>>(0008,0104) LO Code Meaning "Mammography breast density" "Breast composition analysis" >>>(0040,A730) SQ Content Sequence 1 >>>>(0040,A010) CS Relationship Type "HAS PROPERTIES" >>>(0040,A040) CS Value Type "TEXT" >>>>(0040,A043) SQ Concept Name Code Sequence 1 >>>>(0040,A043) SQ Concept Name Code Sequence 1 >>>>(0040,A040) SH Code Value "111001" >>>>(008,0100) SH Coding Scheme Designator "DCM" >>>>(0040,A160) UT Text Value "iCAD PowerLook" for 2D CAD for CAD "Density Assessment" for Density Assessment CAD
SH Coding Scheme Designator "SRT"
>>>>(0008,0102) SH Coding Scheme Designator "SRT" >>>>(0008,0102) SH Coding Scheme Version "1.1" >>>>(0008,0104) LO Code Meaning "Mammography breast density" "Breast composition analysis" "Breast composition analysis" >>>(0040,A730) SQ Content Sequence 1 >>>>(0040,A010) CS Relationship Type "HAS PROPERTIES" >>>>(0040,A040) CS Value Type "TEXT" >>>>(0040,A043) SQ Concept Name Code Sequence 1 >>>>(0008,0100) SH Code Value "111001" >>>>(0008,0102) SH Coding Scheme Designator "DCM" >>>>(0004,A160) UT Text Value "iCAD PowerLook" for 2D CAD for CAD "Density Assessment" for Density Assessment CAD
>>>>(0008,0102) SH Coding Scheme Version "1.1" >>>>(0008,0104) LO Code Meaning "Mammography breast density" "Breast composition analysis" >>>(0040,A730) SQ Content Sequence 1 >>>>(0040,A010) CS Relationship Type "HAS PROPERTIES" >>>>(0040,A040) CS Value Type "TEXT" >>>>(0040,A043) SQ Concept Name Code Sequence 1 >>>>(0008,0100) SH Code Value "111001" >>>>(0008,0102) SH Coding Scheme Designator "DCM" >>>>(0040,A160) UT Text Value "iCAD PowerLook" for 2D CAD for CAD "Density Assessment" for Density Assessment CAD
>>>>(0008,0104) LO Code Meaning "Mammography breast density" >>>(0040,A730) SQ Content Sequence 1 >>>(0040,A010) CS Relationship Type "HAS PROPERTIES" >>>(0040,A040) CS Value Type "TEXT" >>>>(0040,A043) SQ Concept Name Code Sequence 1 >>>>(0008,0100) SH Code Value "111001" >>>>(0008,0102) SH Coding Scheme Designator "DCM" >>>>(0040,A160) UT Text Value "iCAD PowerLook" for 2D CAD for CAD "Density Assessment" for Density Assessment CAD
"Breast composition analysis"
>>>(0040,A730) SQ Content Sequence 1 >>>>(0040,A010) CS Relationship Type "HAS PROPERTIES" >>>>(0040,A040) CS Value Type "TEXT" >>>>(0040,A043) SQ Concept Name Code Sequence 1 >>>>>(0008,0100) SH Code Value "111001" >>>>>(0008,0102) SH Coding Scheme Designator "DCM" >>>>(0008,0104) LO Code Meaning "Algorithm Name" >>>>(0040,A160) UT Text Value "iCAD PowerLook" for 2D CAD for CAD CAD "Density Assessment" for Density Assessment CAD "Density Assessment"
>>>>(0040,A010) CS Relationship Type "HAS PROPERTIES" >>>>(0040,A040) CS Value Type "TEXT" >>>>(0040,A043) SQ Concept Name Code Sequence 1 >>>>>(0008,0100) SH Code Value "111001" >>>>(0008,0102) SH Coding Scheme Designator "DCM" >>>>(0008,0104) LO Code Meaning "Algorithm Name" >>>>(0040,A160) UT Text Value "iCAD PowerLook" for 2D CAD for CAD CAD "Density Assessment" for Density Assessment CAD
>>>>(0040,A040) CS Value Type "TEXT" >>>>(0040,A043) SQ Concept Name Code Sequence 1 >>>>>(0008,0100) SH Code Value "111001" >>>>>(0008,0102) SH Coding Scheme Designator "DCM" >>>>>(0008,0104) LO Code Meaning "Algorithm Name" >>>>(0040,A160) UT Text Value "iCAD PowerLook" for 2D CAD for CAD CAD "Density Assessment" for Density Assessment CAD
>>>>(0040,A043) SQ Concept Name Code Sequence 1 >>>>(0008,0100) SH Code Value "111001" >>>>(0008,0102) SH Coding Scheme Designator "DCM" >>>>(0008,0104) LO Code Meaning "Algorithm Name" >>>>(0040,A160) UT Text Value "iCAD PowerLook" for 2D CAD for CAD CAD "Density Assessment" for Density Assessment CAD Assessment CAD
>>>>>(0008,0100) SH Code Value "111001" >>>>(0008,0102) SH Coding Scheme Designator "DCM" >>>>>(0008,0104) LO Code Meaning "Algorithm Name" >>>>(0040,A160) UT Text Value "iCAD PowerLook" for 2D CAD for CAD CAD "Density Assessment" for Density Assessment CAD
>>>>(0008,0102) SH Coding Scheme Designator "DCM" >>>>>(0008,0104) LO Code Meaning "Algorithm Name" >>>>(0040,A160) UT Text Value "iCAD PowerLook" for 2D CAD for CAD "Density Assessment" for Density Assessment CAD
>>>>(0008,0104) LO Code Meaning "Algorithm Name" >>>>(0040,A160) UT Text Value "iCAD PowerLook" for 2D CAD for CAD "Density Assessment" for Density Assessment CAD
>>>>(0040,A160) UT Text Value "iCAD PowerLook" for 2D CAD for CAD "Density Assessment" for Density Assessment CAD
CAD "Density Assessment" for Density Assessment CAD
"Density Assessment" for Density Assessment CAD
Assessment CAD
>>>(0040,A730) SQ Content Sequence 1
>>>(0040,A010) CS Relationship Type "HAS PROPERTIES"
>>>>(0040,A040) CS Value Type "TEXT"
>>>>(0040,A043) SQ Concept Name Code Sequence 1
>>>>(0008,0100) SH Code Value "111003"
>>>>(0008,0100) SH Codic Value 111003 >>>>>(0008,0102) SH Coding Scheme Designator "DCM"
>>>>(0008,0102) S11 Coding Scheme Besignator Belief >>>>>(0008,0104) LO Code Meaning "Algorithm Version"
>>>>(0040,A160) UT Text Value "Premier" or "X.Y-Z", where X.Y
equals the current CAD version and Z
equals the operating point.
L = Low Op Point
M = Medium Op Point
H = High Op Point
D = Dynamic Op Point
Density Assessment:
"x.x.x.64", version of Density
Assessment algorithm
>>>(0040,A730) SQ Content Sequence 1

>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A010)	CS	Value Type	"TEXT"
>>>(0040,A043)	SQ	Concept Name Code Sequence	1 "111002"
>>>>(0008,0100)	SH	Code Value	"111002" "DCM"
>>>>(0008,0102)	SH	Coding Scheme Designator	-
>>>>(0008,0104)	LO	Code Meaning	"Algorithm Parameters"
>>>(0040,A160)	UT	Text Value	"Static" or "Dynamic" depending on
(00.40.4.720)	7.0		operating point setting
>>>(0040,A730)	SQ	Content Sequence	Repeat this sequence for the number of
			images that were processed successfully
(0040 + 040)		D. 1 . 1	or that failed based on its container.
>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,DB73)	UL	Referenced Content Item Identifier	$X\Y\Z$, which represents the reference
			node position of the image processed.
>>(0040,A730)	SQ	Content Sequence	1
>>>(0040,A010)	CS	Relationship Type	"CONTAINS"
>>>(0040,A040)	CS	Value Type	"CODE"
>>>(0040,A043)	SQ	Concept Name Code Sequence	1
>>>(0008,0100)	SH	Code Value	"111004"
>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>(0008,0104)	LO	Code Meaning	"Analysis Performed"
>>>(0040,A168)	SQ	Concept Code Sequence	1
>>>(0008,0100)	SH	Code Value	"F-01775"
>>>(0008,0102)	SH	Coding Scheme Designator	"SRT"
>>>(0008,0103)	SH	Coding Scheme Version	"1.1"
>>>(0008,0104)	LO	Code Meaning	"Calcification Cluster"
>>>(0040,A730)	SQ	Content Sequence	1
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A040)	CS	Value Type	"TEXT"
>>>(0040,A043)	SQ	Concept Name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111001"
>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Algorithm Name"
>>>(0040,A160)	UT	Text Value	"iCAD PowerLook"
>>>(0040,A1100)	CS	Relationship Type	"HAS PROPERTIES"
>>>(0040,A010)	CS	Value Type	"TEXT"
>>>(0040,A043)	SQ	Concept Name Code Sequence	1
	SH	Code Value	"111003"
>>>>(0008,0100)			
>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM" "Algorithm Varsion"
>>>>(0008,0104)	LO	Code Meaning	"Algorithm Version"
>>>(0040,A160)	UT	Text Value	"Premier" or "X.Y-Z", where X.Y
			equals the current CAD version and Z
			equals the operating point.
			L = Low Op Point
			M = Medium Op Point
			H = High Op Point
(00.40 + 0.40)		D 1 .: 1: T	D = Dynamic Op Point
>>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"
>>>>(0040,A040)	CS	Value Type	"TEXT"
>>>>(0040,A043)	SQ	Concept Name Code Sequence	1
>>>>(0008,0100)	SH	Code Value	"111002"
>>>>(0008,0102)	SH	Coding Scheme Designator	"DCM"
>>>>(0008,0104)	LO	Code Meaning	"Algorithm Parameters"
>>>(0040,A160)	UT	Text Value	"Static" or "Dynamic" depending on

			operating point setting	
>>>(0040,A730)	SQ	Content Sequence Repeat this sequence for the number of		
			images that were processed successfully	
			or that failed based on its container.	
>>>(0040,A010)	CS	Relationship Type	"HAS PROPERTIES"	
>>>>(0040,DB73)	UL	Referenced Content Item Identifier	$X\Y\Z$, which represents the reference	
			node position of the image processed.	

3.3.6.12.1.2Storage of CAD Results – Radiotherapy Structure Set (RTSS)

PowerLook will process each image to determine the existence of any suspicious regions. A RT Structure Set Storage (RTSS) object is created per image. The RTSS object gives locations of the suspicious findings where ellipses are used to identify densities and rectangles are used to identify calcification clusters. The RTSS object can be sent to any remote system that is configured to receive this output. The use of the RT Structure Set Storage (RTSS) SOP Class is proprietary between iCAD, Inc. and General Electric (GE) Medical Systems and will not be defined in this document. The Modality (0008,0060) attribute value is "MG", to avoid confusion with valid RT Structure Set (RTSS) instances, and it is not recommended that the proprietary instances be archived.

3.3.6.12.1.3Storage of CAD Results – Grayscale Softcopy Presentation State (GSPS)

PowerLook will process each image to determine the existence of any suspicious regions. A single grayscale softcopy presentation state object is created per image. The presentation state gives locations of the suspicious findings where ellipses are used to identify densities and rectangles are used to identify calcification clusters. The presentation state object can be sent to any remote system that is configured to receive this output.

Table 64 – Grayscale Softcopy Presentation State (GSPS) IOD Modules

IE	Module	DICOM Reference	Document Reference	Usage
Patient	Patient	PS 3.3 –2018 C.7.1.1	Table 65	M
Study	General Study	PS 3.3 – 2018 C.7.2.1	Table 66	M
Series	General Series	PS 3.3 – 2018 C.7.3.1	Table 67	M
	Presentation Series	PS 3.3 – 2018 C.11.9	Table 68	M
Equipment	General Equipment	PS 3.3 – 2018 C.7.5.1		U
			Table 69	
Presentation	Presentation State	PS 3.3 – 2018 C.11.10	Table 70	M
State	Displayed Area	PS 3.3 – 2018 C.10.4	Table 71	M
	Graphic Annotation	PS 3.3 – 2018 C.10.5	Table 72	С
	Graphic Layer	PS 3.3 – 2018 C.10.7	Table 73	С
	Softcopy	PS 3.3 – 2018 C.11.6	Table 74	M
	Presentation LUT			
	SOP Common	PS 3.3 – 2018 C.12.1	Table 75	M

Table 65 - Patient Module Attributes - ref. PS 3.3 - 2018 C.7.1.1

Group and Element	VR	Type	Description	Value
(0010,0010)	PN	2	Patient's Name	Patient's full name obtained from the image header.
(0010,0020)	LO	2	Patient ID	Primary hospital identification number or code for the patient obtained from the image header.
(0010,0030)	DA	2	Patient's Birth Date	Birth date of the patient obtained from the image header.
(0010,0040)	CS	2	Patient's Sex	Sex of the named patient obtained from the image header. Enumerated Values: M = male F = female O = other

Table 66 – General Study Attributes – ref. PS 3.3 - 2018 C.7.2.1

Group and Element	VR	Type	Description	Value
(0020,000D)	UI	1	Study Instance UID	Unique identifier for the study.
(0008,0020)	DA	2	Study Date	Date the CAD output was created.
(0008,0030)	TM	2	Study Time	Time the CAD output was created.
(0008,0090)	PN	2	Referring Physician's Name	Name of the patient's referring physician.
(0020,0010)	SH	2	Study ID	User or equipment generated study ID
				obtained from image header.
(0008,0050)	SH	2	Accession Number	A number that identifies the order for the
				study obtained from the image header.
(0008,1030)	LO	3	Study Description	Configurable study description string and
				also configurable to append breast
				composition or percent glandular tissue
				values.

Table 67 – General Series Attributes – ref. PS 3.3 - 2018 C.7.3.1

Group and Element	VR	Type	Description	Value
(0008,0060)	CS	1	Modality	"PR" for GSPS
				Configurable for PDF, default "OT"
				Configurable for SC, default "MG"
(0020,000E)	UI	1	Series Instance UID	Unique identifier for the series.
(0020,0011)	IS	2	Series Number	A configurable number that identifies the series, with the default being "1"
(0020,0060)	CS	2C	Laterality	Laterality of body part examined (GSPS
				only):
				"R" = right
				"L" = left
(0008,103E)	LO	3	Series Description	Configurable series description string and
				also configurable to append breast
				composition or percent glandular tissue
				values.

Table 68 – Presentation Series Attributes – ref. PS 3.3 - 2018 C.11.9

Group and Element	VR	Type	Description	Value
(0008,0060)	CS	1	Modality	"PR"

Table 69 – General Equipment Attributes – ref. PS 3.3 - 2018 C.7.5.1

Group and Element	VR	Type	Description	Value
(0008,0070)	LO	2	Manufacturer	Configurable string defaulted to "iCAD, Inc."
(0018,1020)	LO	3	Software Versions	Version of CAD. Can be configurable to add manufacturer name to the front of the string or add the operating point to the end of the string, where "L" equals the low operating point, "M" equals the medium operating point, "H" equals the high operating point, and "D" equals a dynamic operating point. This is a multivalued field and the CAD Manager build version and CAD build version can be configured to be included.
(0008,0080)	LO	3	Institution Name	Configurable institution name string
(0008,0081)	ST	3	Institution Address	Configurable institution address string
(0008,1010)	SH	3	Station Name	Configurable station name string or configurable to use the station name of the received images.
(0008,1090)	LO	3	Manufacturers Model Name	Version of CAD. Can be configurable to add manufacturer name to the front of the string

Table 70 – Presentation State Attributes – ref. PS 3.3 - 2018 C.11.10

Group and	VR	Type	Description	Value
Element				
(0020,0013)	1	IS	Instance Number	A number that identifies this presentation
				(SOP Instance) obtained from the image
				header.
(0070,0080)	1	VS	Presentation Label	A label that is used to identify this
				presentation. Combination of laterality and
				view.
(0070,0081)	2	LO	Presentation Description	A description of this presentation:
				"SecondLook CAD results"
(0070,0082)	1	DA	Presentation Creation Date	Date on which this presentation was created.
(0070,0083)	1	TM	Presentation Creation Time	Time at which this presentation was created.
(0070,0084)	2	PN	Presentation Creator's Name	Name of operator saving the presentation
				state
				"SecondLook Digital CAD"
(0008,1115)	1	SQ	Referenced Series Sequence	Sequence of Repeating Items where each
				Item includes the Attributes of one or more

				Series.
>(0020,000E)	1C	UI	Series Instance UID	Unique identifier of a Series that is part of
				this Study.
>(0008,1140)	1C	SQ	Referenced Image Sequence	Sequence of Repeating Items where each
				Item provides reference to a selected set of
				Image SOP Class/SOP Instance pairs that
				are part of this Study and the Series defined
				by Series Instance UID (0020,000E).
>>(0008,1150)	1C	UI	Referenced SOP Class UID	Uniquely identifies the referenced SOP
				Class.
>>(0008,1155)	1C	UI	Referenced SOP Instance UID	Uniquely identifies the referenced SOP
				Instance.

Table 71 – Displayed Area Attributes – ref. PS 3.3 - 2018 C.10.4

Group and Element	VR	Туре	Description	Value
(0070,005A)	SQ	1	Displayed Area Selection Sequence	A sequence of Items each of which describes the displayed area selection for a group of images or frames.
>(0008,1140)	SQ	1C	Referenced Image Sequence	Sequence of Repeating Items where each Item provides reference to a selected set of Image SOP Class/SOP Instance pairs that are defined in the Presentation State Module.
>>(0008,1150)	UI	1C	Referenced SOP Class UID	Uniquely identifies the referenced SOP Class.
>>(0008,1155)	UI	1C	Referenced SOP Instance UID	Uniquely identifies the referenced SOP Instance.
>(0070,0052)	SL	1	Displayed Area Top Left Hand Corner	The top left pixel in the referenced image to be displayed, given as column/row. Column is the horizontal offset (X) and row is the vertical offset (Y) relative to the origin of the pixel data before spatial transformation, which is "1\1".
>(0070,0053)	SL	1	Displayed Area Bottom Right Hand Corner	The bottom right pixel in the referenced image to be displayed, given as column\row. Column is the horizontal offset (X) and row is the vertical offset (Y) relative to the origin of the pixel data before spatial transformation, which is "1\1".
>(0070,0100)	CS	1	Presentation Size Mode	Manner of selection of display size: "SCALE TO FIT"
>(0070,0101)	DS	1C	Presentation Pixel Spacing	Physical distance between the center of each pixel in the referenced image, specified by a numeric pair – adjacent row spacing adjacent column spacing in mm obtained from image header.

Table 72 – Graphic Annotation Attributes – ref. PS 3.3 - 2018 C.10.5

Group and Element	VR	Type	Description	Value
(0070,0001)	SQ	1	Graphic Annotation Sequence	A sequence of Items of which represents a group of annotations composed of graphics and text.
>(0008,1140)	SQ	1C	Referenced Image Sequence	Sequence of Repeating Items where each Item provides reference to a selected set of Image SOP Class/SOP Instance pairs that are defined in the Presentation State Module.
>>(0008,1150)	UI	1C	Referenced SOP Class UID	Uniquely identifies the referenced SOP Class.
>>(0008,1155)	UI	1C	Referenced SOP Instance UID	Uniquely identifies the referenced SOP Instance.
>(0070,0002)	CS	1	Graphic Layer	The layer defined in the Graphic Layer Module in which the graphics or text is to be rendered. "SECONDLOOK CAD"
>(0070,0008)	SQ	1C	Text Object Sequence	Sequence that describes a text annotation.
>>(0070,0003)	CS	1C	Bounding Box Annotation Units	Units of measure for the axes of the text bounding box. "PIXEL"
>>(0070,0006)	ST	1	Unformatted Text Value	A string of text containing the software version and the number of calcification clusters and densities found.
>>(0070,0010)	FL	1C	Bounding Box Top Left Hand Corner	Location of the Top Left Hand Corner (TLHC) of the bounding box in which Unformatted Text Value (0070,0006) is to be displayed, in Bounding Box Annotation Units (0070,0003), given as column\row. Column is the horizontal offset and row is the vertical offset. "10.0\10.0"
>>(0070,0011)	FL	1C	Bounding Box Bottom Right Hand Corner	Location of the Bottom Right Hand Corner (BRHC) of the bounding box in which Unformatted Text Value (0070,0006) is to be displayed, in Bounding Box Annotation Units (0070,0003), given as column\row. Column is the horizontal offset and row is the vertical offset. "100.0\100.0"
>>(0070,0012)	CS	1C	Bounding Box Text Horizontal Justification	Location of the text relative to the vertical edges of the bounding box: "LEFT"
>(0070,0009)	SQ	1C	Graphic Object Sequence	Sequence that describes a graphic annotation.
>>(0070,0005)	CS	1	Graphic Annotation Units	Units of measure for the axes of the graphic annotation: "PIXEL"
>>(0070,0020)	US	1	Graphic Dimensions	"2"
>>(0070,0021)	US	1	Number of Graphic Points	Number of data points in this graphic. "4" for ELLIPSE and ""5 for POLYLINE.

>>(0070,0022)	FL	1	Graphic Data	Coordinates that specify this graphic
				annotation.
>>(0070,0023)	CS	1	Graphic Type	The shape of graphic that is to be drawn.
				"ELLIPSE" = Density
				"POLYLINE" = Calcification Cluster.
>>(0070,0024)	CS	1C	Graphic Filled	Whether or not the closed graphics element
				is displayed as filled or as an outline.
				"N" = No

Table 73 - Graphic Layer Attributes - ref. PS 3.3 - 2018 C.10.7

Group and Element	VR	Type	Description	Value
(0070,0060)	SQ	1	Graphic Layer Sequence	A sequence of Items each of which represents a single layer in which graphics are rendered.
>(0070,0002)	CS	1	Graphic Layer	A string which identifies the layer. "SECONDLOOK CAD", configurable
>(0070,0062)	IS	1	Graphic Layer Order	An integer indicating the order in which it is recommended that the layer be rendered, if the display is capable of distinguishing. Lower numbered layers are to be rendered first. "1"
>(0070,0066)	US	3	Graphic Layer Recommended Display Grayscale Value	A default single gray unsigned value in which it is recommended that the layer be rendered on a monochrome display. The units are specified in P-Values from minimum of 0000H (black) up to a maximum of FFFFH (white). "32767"

Table 74 - Softcopy Presentation LUT Attributes - ref. PS 3.3 - 2018 C.11.6

Group and Element	VR	Type	Description	Value
(2050,0020)	CS	1C	Presentation LUT Shape	Specifies predefined Presentation LUT transformation. "IDENTITY" – no further transformation necessary, input values are P-Values.

Table 75 - SOP Common Attributes - ref. PS 3.3 - 2018 C.12.1

Group and	VR	Type	Description	Value
Element				
(0008,0016)	UI	1	SOP Class UID	Uniquely identifies the SOP Class:
(0008,0018)	UI	1	SOP Instance UID	Uniquely identifies the SOP instance.

3.3.6.12.1.4Storage of CAD Results – Digital Mammography X-Ray – For Presentation with CAD overlay

PowerLook can be configured to populate the CAD detections into the overlay module of the Digital Mammography X-Ray – For Presentation image. In order for this to occur, PowerLook must receive both the Digital Mammography X-Ray – For Processing and the Digital Mammography X-Ray – For Presentation images for the patient case. PowerLook will perform it's algorithms on the Digital Mammography X-Ray – For Processing images and then populate the overlay module of the Digital Mammography X-Ray – For Presentation image, where ellipses are used to identify densities and rectangles are used to identify calcification clusters. The Digital Mammography X-Ray – For Presentation image with the CAD overlay can be sent to any number of remote devices. Note that the overlay module can also be applied to the Digital Mammography X-Ray – For Processing image. This object contains information identical to how it was received, except a new SOP Instance UID is created for the updated image and the overlay plane module had been applied as described in Table 76.

Table 76 – Digital Mammography X-Ray – For Presentation – Overlay Plane Module – ref. PS 3.3 - 2018 C.12.1

Group and Element	VR	Type	Description	Value
(6000,0010)	US	1	Overlay Rows	Number of rows in the overlay
(6000,0011)	US	1	Overlay Columns	Number of columns in the overlay
(6000,0022)	CS	1	Overlay Type	"G" = Graphics
(6000,0050)	SS	1	Overlay Origin	Location of first overlay point with respect to pixels in the image, given as row\column. The upper left pixel of the image has the coordinate "1\1".
(6000,0100)	US	1	Overlay Bits Allocated	The number of bits allocated in the overlay: "1"
(6000,0102)	US	1	Overlay Bit Position	Bit in which overlay is stored: "0"
(6000,3000)	OW	1C	Overlay Data	Overlay pixel data.
(6000,0022)	LO	3	Overlay Description	User defined comments about the overlay: "iCAD, Inc."
(6000,0045)	LO	3	Overlay Subtype	Defined term which identifies the intended purpose of the Overlay Type: "AUTOMATED"
(6000,1500)	LO	3	Overlay Label	A user defined text string which may be used to label or name this overlay: "PowerLook"

3.3.6.12.1.5Storage of CAD Results – Encapsulated PDF

PowerLook will process each image to determine the existence of any suspicious regions. An encapsulated PDF object can be configured to be created per case. The encapsulated PDF gives locations of the suspicious findings where ellipses are used to identify densities and rectangles are used to identify calcification clusters. The Encapsulated PDF object can be sent to any remote system that is configured to receive this output.

IE	Module	DICOM Reference	Document Reference	Usage
Patient	Patient	PS 3.3 –2018 C.7.1.1	Table 65	M
Study	General Study	PS 3.3 – 2018 C.7.2.1	Table 66	M
Series	Encapsulated	PS 3.3 – 2018 C.24.1	Table 78	M
	Document Series			
Equipment	General Equipment	PS 3.3 – 2018 C.7.5.1		M
			Table 69	
	SC Equipment	PS 3.3 – 2018 C.8.6.1	Table 79	M
Encapsulated	Encapsulated	PS 3.3 – 2018 C.24.2	Table 80	M
Document	Document			
	SOP Common	PS 3.3 – 2018 C.12.1	Table 75	M

Table 77 – Encapsulated PDF IOD Modules

Table 78 – Encapsulated Document Series Attributes – ref. PS 3.3 - 2018 C.7.3.1

Group and Element	VR	Type	Description	Value
(0008,0060)	CS	1	Modality	Configurable modality value, default "OT"
(0020,000E)	UI	1	Series Instance UID	Unique identifier for the series.
(0020,0011)	IS	2	Series Number	A number that identifies the series:
				configurable, with the default being "1"
(0008,103E)	LO	3	Series Description	Configurable series description. Can also
				be configured to append breast composition
				or percent glandular tissue values.

Table 79 – SC Equipment Attributes – ref. PS 3.3 - 2018 C.8.6.1

Group and	VR	Type	Description	Value
Element				
(0008,0064)	CS	1	Conversion Type	Configurable defaulted to "WSD"
(0018,1010)	LO	3	Secondary Capture Device ID	Configurable defaulted to "iCAD CAD"
(0018,1016)	LO	3	Secondary Capture Device Manufacturer	Configurable defaulted to "iCAD, Inc."
(0018,1018)	LO	3	Secondary Capture Device Manufacturers Model Name	Configurable defaulted to "iCAD, Inc."
(0018,1019)	LO	3	Secondary Capture Device Software Versions	Configurable: "Premier" or X.Y where X.Y equals the current CAD version. Can be configurable to add manufacturer name to the front of the string or add the operating point to the end of the string, where "L" equals the low operating point, "M" equals the medium operating point, and "H" equals the high operating point.

Table 80 – Encapsulated Document Attributes – ref. PS 3.3 - 2018 C.24.2

Group and Element	VR	Type	Description	Value
(0020,0013)	IS	1	Instance Number	Configurable, with default being "1"
(0040,A493)	CS	3	Verification Flag	"Unverified"
(0008,0023)	DA	2	Content Date	Current date of PDF generation
(0008,0033)	TM	2	Content Time	Current time of PDF generation
(0028,0301)	CS	1	Burned in Annotation	"Yes"
(0042,0013)	SQ	1C	Source Instance Sequence	Repeat for the number of images in study
>(0008,1150)	UI	1	Referenced SOP Class UID	Referenced SOP Class UID of image processed
>(0008,1155)	UI	1	Referenced SOP Instance UID	Referenced SOP Instance UID of image processed
(0042,0010)	ST	2	Document Title	Configurable string defaulted to "Mammagraph Printout"
(0040,A043)	SQ	2	Concept Name Code Sequence	Null sequence
(0042,0012)	LO	1	Mime Type of Encapsulated Document	Configurable string defaulted to "application/pdf"
(0042,0011)	OB	1	Encapsulated Document	The Mammagraph PDF file

3.3.6.12.1.6Storage of CAD Results – Secondary Capture

PowerLook can not only process each image to determine the existence of any suspicious regions, but it can also compute a breast composition value as defined by BI-RADS and compute a percentage of fibroglandular tissue. These values can be populated in the Mammography CAD SR, however, if a vendor does not support the parsing of the SR for these values, a Secondary Capture object can be configured to be created per case. The Secondary Capture object can be sent to any remote system that is configured to receive this output. Also note that PowerLook can be configured to send a Secondary Capture object to provide license notification indicating use-base or date-based expirations.

IE	Module	DICOM Reference	Document Reference	Usage
Patient	Patient	PS 3.3 –2018 C.7.1.1	Table 65	M
Study	General Study	PS 3.3 – 2018 C.7.2.1	Table 66	M
Series	General Series	PS 3.3 – 2018 C.7.3.1	Table 67	M
Equipment	General Equipment	PS 3.3 – 2018 C.7.5.1		U
			Table 69	
	SC Equipment	PS 3.3 – 2018 C.8.6.1	Table 79	M
Image	General Image	PS 3.3 – 2018 C.7.6.1	Table 82	M
	Image Pixel	PS 3.3 – 2018 C.7.6.3	Table 83	M
	SC Image	PS 3.3 – 2018 C.8.6.2	Table 84	M
	Modality LUT	PS 3.3 – 2018 C.11.1	Table 85	U
	VOI LUT	PS 3.3 – 2018 C.11.2	Table 86	U
	SOP Common	PS 3.3 – 2018 C.12.1	Table 75	M

Table 81 – Secondary Capture IOD Modules

Table 82 – General Image Module Attributes – mandatory – ref. PS 3.3 - 2018 C.7.6.1

Group and Element	VR	Type	Description	Value
(0020,0013)	IS	2	Instance Number	Configurable, with default being "1"
(0020,0020)	CS	2C	Patient Orientation	Null
(0008,0023)	DA	2C	Content Date	The date the Secondary Capture object was created.
(0008,0033)	TM	2C	Content Time	The time the Secondary Capture object was created.
(0008,0008)	CS	3	Image Type	"Derived/Secondary"

Table 83 – Image Pixel Module Attributes – mandatory – ref. PS 3.3 - 2018 C.7.6.3

Group and Element	VR	Type	Description	Value
(0028,0002)	US	1	Samples per Pixel	Number of samples (planes) in this image. Value is set to "1".
(0028,0004)	CS	1	Photometric Interpretation	Specifies the intended interpretation of the pixel data. Configurable with the default value being "MONOCHROME2".
(0028,0010)	US	1	Rows	Configurable to either the number of rows in the image or a fixed value.
(0028,0011)	US	1	Columns	Configurable to either the number of columns in the image or a fixed value.

(0028,0100)	US	1	Bits Allocated	Number of bits allocated for each pixel sample. Value is set to "16"
	-			1
(0028,0101)	US	1	Bits Stored	Number of bits stored for each pixel sample.
				Value is set to "15"
(0028,0102)	US	1	High Bit	Most significant bit for pixel sample data.
				Value is set to "15".
(0028,0103)	US	1	Pixel Representation	Data representation of the pixel samples.
				Each sample shall have the same pixel
				representation. Enumerated Value:
				0000H = unsigned integer.
(7FE0,0010)	OW	1	Pixel Data	A data stream of the pixel samples that
	or OB			comprise the Image.

Table 84 – SC Image Module Attributes – mandatory – ref. PS 3.3 - 2018 C.8.6.2

Group and Element	VR	Type	Description	Value
(0018,1012)	DA	3	Date of Secondary Capture	Date the Secondary Capture object was created
(0018,1014)	TM	3	Time of Secondary Capture	Time the Secondary Capture object was created

Table 85 – Modality LUT Module Attributes – mandatory – ref. PS 3.3 - 2018 C.11.1

Group and	VR	Type	Description	Value
Element				
(0028,1052)	DS	1C	Rescale Intercept	Value is set to "0".
(0028,1053)	DS	1C	Rescale Slope	Value is set to "1"
(0028,1054)	LO	1C	Rescale Type	Value is set to "US"

Table 86 – VOI LUT Module Attributes – mandatory – ref. PS 3.3 - 2018 C.11.2

Group and Element	VR	Type	Description	Value
(0028,1050)	DS	1C	Window Center	Configurable value with default set to "16384"
(0028,1051)	DS	1C	Window Width	Configurable value with default set to "32768"

3.3.6.13 Storage Commitment of CAD Output

3.3.6.14 Associated Real World Activity – Storage Commitment

PowerLook can be configured to issue a storage commitment request (N-ACTION) to any of the configured remote devices through the Field Service Engineer's Graphical User Interface. PowerLook will respond to any storage commitment response (N-EVENT-REPORT) as long as the PowerLook service is started. An overview of the storage commitment sequence is shown in Figure 3-13.

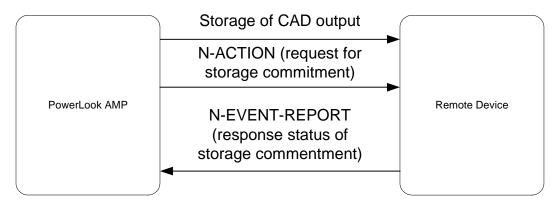


Figure 3-13 - Storage Commitment Overview

3.3.6.15 Presentation Context Table – Storage Commitment

PowerLook supports the transfer syntaxes listed in Table 87. For a storage commitment request (N-ACTION), PowerLook will propose the Presentation Contexts listed in Table 88.

Table 87 – Storage Commitment Transfer Syntaxes

Transfer Syntaxes	UID		
DICOM Implicit VR Little Endian	1.2.840.10008.1.2		

Table 88 – Storage Commitment SOP Class

Abstract Syntax		Abstract Syntax Transfer Syntax		Extended
SOP Class	SOP Class UID			Negotiation
Storage	1.2.840.10008.1.20.1	Declared in Table 87	SCU/SCP	None
Commitment				

3.3.6.16 SOP Specific Conformance – Storage Commitment

The Storage Commitment request N-ACTION information is defined in Table 89.

Table 89 – Storage Commitment Request – Action Information

Action Type Name	Action Type ID	Tag	Attribute	Req. Type SCU	Description
Request Storage Commitment	1	(0008,1195)	Transaction UID	1	Uniquely identifies this Storage Commitment transaction.
		(0088,0130)	Storage Media File-Set ID	3	Not used
		(0088,0140)	Storage Media File-Set UID	3	Not used
		(0008,1199)	Referenced SOP Sequence	1	A sequence of repeating Items where each Item references a single SOP Instance for which storage commitment is requested / or has been provided.
		>(0008,1150)	Referenced SOP Class UID	1	Uniquely identifies the referenced SOP Class.
	>(>(0008,1155)	Referenced SOP Instance UID	1	Uniquely identifies the referenced SOP Instance.
		>(0088,0130)	Storage Media File-Set ID	3	Not used
		>(0088,0140)	Storage Media File-Set UID	3	Not Used

The handling of the N-ACTION response by PowerLook is listed in Table 90.

Table 90 - Storage Commitment Response (N-ACTION-RSP) Codes

Service Status	Further Meaning	Protocol Codes	Related Fields	Description
Success	Success	0x0000	None	Operation performed properly
Failure	Processing failure	0x0110	None	PowerLook records an N-ACTION processing failure to the event log.
Failure	No such SOP instance	0x0112	None	PowerLook records to the event log that there were invalid UIDs in the Storage Commitment message.

The Storage Commitment N-EVENT-REPORT information is defined in Table 91.

Table 91 – Storage Commitment Result – Event Information

Action Type Name	Action Type ID	Tag	Attribute	Req. Type SCP	Description
Storage	1	(0008,1195)	Transaction UID	1	Uniquely identifies this
Commitment					Storage Commitment
Request					transaction.

Successful		(0008,0054)	Retrieve AE Title	3	Not used
		(0088,0130)	Storage Media File-Set ID	3	Not used
		(0088,0140)	Storage Media File-Set UID	3	Not used
		(0008,1199)	Referenced SOP Sequence	1	A sequence of repeating Items where each Item references a single SOP Instance for which storage commitment is requested / or has been provided.
		>(0008,1150)	Referenced SOP Class UID	1	Uniquely identifies the referenced SOP Class.
		>(0008,1155)	Referenced SOP Instance UID	1	Uniquely identifies the referenced SOP Instance.
		>(0008,0054)	Retrieve AE Title	3	Not used
		>(0088,0130)	Storage Media File-Set ID	3	Not used
		>(0088,0140)	Storage Media File-Set UID	3	Not Used
Storage Commitment Request	2	(0008,1195)	Transaction UID	1	Uniquely identifies this Storage Commitment transaction.
Complete –		(0008,0054)	Retrieve AE Title	3	Not used
Failure Exists		(0088,0130)	Storage Media File-Set ID	3	Not used
		(0088,0140)	Storage Media File-Set UID	3	Not used
		(0008,1199)	Referenced SOP Sequence	1	A sequence of repeating Items where each Item references a single SOP Instance for which storage commitment is requested / or has been provided.
		>(0008,1150)	Referenced SOP Class UID	1	Uniquely identifies the referenced SOP Class.
		>(0008,1155)	Referenced SOP Instance UID	1	Uniquely identifies the referenced SOP Instance.
		>(0008,0054)	Retrieve AE Title	3	Not used
		>(0088,0130)	Storage Media File-Set ID	3	Not used
		>(0088,0140)	Storage Media File-Set UID	3	Not Used
		(0008,1198)	Failed SOP Sequence	1	A sequence of repeating Items where each Item references a single SOP Instance for which storage commitment could not be provided.
		>(0008,1150)	Referenced SOP Class UID	1	Uniquely identifies the referenced SOP Class.
		>(0008,1155)	Referenced SOP Instance UID	1	Uniquely identifies the referenced SOP Instance.

	>(0008,1197)	Failure Reason	1	The reason that storage
				commitment could not be
				provided for this SOP
				Instance.

The response codes for the DICOM Storage Commitment message (N-EVENT-REPORT-RSP) are displayed in Table 92. If there was an error in creating the Storage Commitment response, no response shall be sent.

Table 92 – Storage Commitment Response (N-EVENT-REPORT-RSP) Codes

Service Status	Further Meaning	Protocol Codes	Related Fields	Description
Success	Success	0x0000	None	Operation performed properly
Failure	Processing failure	0x0110	None	Error in parsing N-EVENT-REPORT-RQ from remote device.
Failure	Instance UID does not match	0x0119	None	The instance UID sent for storage commit does not match the instance UID that was returned.

4 Communication Profiles

PowerLook provides DICOM V3.0 TCP/IP Network Communication support as defined in Part 8 of the DICOM Standard.

4.1 OSI Stack

Not Supported

4.2 TCP/IP Stack

PowerLook inherits its TCP/IP stack from the Microsoft® Windows® operating system of the computer upon which it executes. PowerLook (SCP) listens by default to port number 104, unless this is configured differently.

4.2.1 Physical Media Support

The physical media supported by the TCP/IP Stack are 10/100/1000BaseT.

5 Extensions/Specializations/Privatizations

PowerLook does not use any private group or element codes.

6 Configuration

PowerLook configures the application entity, host name, and listen port for itself and remote devices through the web accessible field service engineering graphical user interface. The PowerLook service must be stopped to change these parameters, and then restarted to have the new values take effect.

7 Support for Extended Character Sets

PowerLook supports the default character set (ISO-IR 6 Basic G0 Set).

8 End of Document