Policy Title:	Breast Screening Standards for DICOM Header Required Tags	
Section: Quality Management	**Reference No.**	SG-DG 500
Effective: June 2008	**Revision:**	June 2018

1. SCOPE

Breast Screening Program Chief Radiologists

Breast Screening Program Chief Technologists
Breast Screening Quality Assurance Support Group
Radiology Managers

2. POLICY

DICOM (Digital Imaging and Communication in Medicine) is a standard which defines communication between various digital medical imaging equipment. DICOM standard conformance will ensure that all of your equipment will work together to produce, manage and distribute your images regardless of the vendor. The IHE Mammography Image (MAMMO) Integration Profile defines these standards for digital mammography. The BC Cancer Breast Screening Program ("the program") requires that digital mammography acquisition systems shall support the IHE Mammography Image Profile as the "Acquisition Modality" actor.

Acquisition Workstations used for breast screening in B.C. <u>MUST</u> encode and retain all of the DICOM header information listed in the table below correctly. Furthermore, both Acquisition and Display Workstations used for breast screening <u>MUST</u> be able to display all of the information listed in the table below as annotations.

DICOM header required tags

Tag number	Tag description
0008, 0080	Institution Name
0008, 0022	Acquisition Date
0008, 0032	Acquisition Time
0008, 0081	Institution Address
0008, 1010	Station Name (preferably CAR unit number)
0008, 1070	Operator
0010, 0010	Patient Name
0010, 0020	Patient ID
0010, 0030	Patient's Birth Date
0018, 0060	kV
0018, 1152	Exposure or tags 0018, 1150 & 0018, 1151
0018, 1150	Exposure Time and
0018, 1151	X-ray Tube Current

0018, 1191	Anode Target Material
0018, 5101	View Position
0018, 11A2	Compression Force
0018, 11A0	Body Part Thickness
0018, 7050	Filter Material
0020, 0020	Patient Orientation
0020, 0062	Image Laterality

The address tag should contain the full address including postal code. To fully document the exposure used, either tag 0018, 1152 or both tags 0018, 1150 and 0018, 1151 must be included.

If the **client ID** cannot be stored in DICOM tags 0010, 1020 (Patient ID), 0010, 1002 (Other Patient ID Sequence) it must be stored in the DICOM tag 0008, 0090 (Referring Physician's Name).

Procedure code used for Breast Screening studies should be "Screening Mammogram – SMPXX" (where XX is the SMP site number), and be encoded in DICOM tag 0010, 1000 (Requested Procedure Description).

If a centre has more than one mammography unit, the unit number must be clearly identified in the DICOM header tag 008, 1010 of the image.

Systems should also have the capability of exporting DICOM image files to a portable external medium such as: DVD or USB flash disk as outlined in the IHE Portable Data for Imaging Profile as the "Portable Media Creator" actor.

References:
IHE Radiology: Mammography User Handbook. Effective 3/27/07

3. RELATED POLICIES

4. RESPONSIBLE PARTY

Professional Practice Leader – Breast Screening Technologists
Breast Screening Quality Assurance Support Group