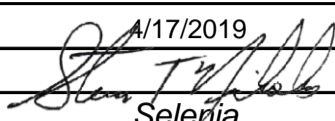


MEDICAL PHYSICIST'S MAMMOGRAPHY QC TEST SUMMARY

Full-Field Digital – Lorad

Site Name	Essentia Health - Ashland Clinic	Report Date	5/16/2019
Address	1625 Maple Lane, Ashland, WI 54806	Survey Date	5/17/2019
Medical Physicist's Name	Steven T. Nicholas	Signature	
X-Ray Unit Manufacturer	Lorad	Model	Selenia
Date of Installation	11/18/2010, moved 4/28/2016	Room ID	Mammo

QC Manual Version: (check one; **must** use version applicable to unit tested; contact mfr if questions)

MAN-00093, Rev. 008

OTHER (write in):

MAN-01476 Rev. 001 June 2009

Accessory Equipment:

	Manufacturer	Model	Location	QC Manual Version
Review Workstation*	Barco/Hologic	5621/SecureView	<input type="checkbox"/> On-site <input checked="" type="checkbox"/> Off-site	MAN-01476 Rev. 001 June 2009
Laser Film Printer*	NA	NA	<input type="checkbox"/> On-site <input checked="" type="checkbox"/> Off-site	NA

*FDA recommends that only monitors and printers specifically cleared for FFDM use by FDA's Office of Device Evaluation (ODE) be used, but the use of others is also legal. See FDA's Policy Guidance Help System Modification Document #9 (page 27).

Survey Type: Mammo Eqpt Evaluation of new unit (include MQSA Rqmts for Mammo Eqpt checklist) Annual Survey

Medical Physicist's QC Tests

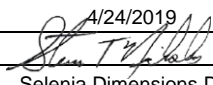
	PASS/FAIL
1. Mammographic Unit Assembly Evaluation	
Performs according to 1999 ACR Mammography Quality Control Manual	Pass
Autodecompression can be overridden to maintain compression (& status displayed)	Pass
Manual emergency compression release can be activated in the event of power failure	Pass
2. Collimation Assessment	
Deviation between X-ray field and light field $\leq 2\%$ of SID	Pass
X-ray field does not extend beyond any side of the IR by $>2\%$ of SID	Pass
X-ray field covers all of the IR on the chest wall side	Pass
Paddle chest wall edge does not extend beyond IR by $>1\%$ of SID or appear on mammogram	Pass
3. Artifact Evaluation (no significant artifacts visible)	Pass
4. kVp Accuracy and Reproducibility	
Measured average kVp within $\pm 5\%$ of indicated kVp	Pass
kVp coefficient of variation ≤ 0.02	Pass
5. Beam Quality Assessment - HVL Measurement	Pass
7. Automatic Exposure Control (AEC) Function Performance (NA for systems without AEC)	
Each pixel value (2-8 cm; all operating modes) within $\pm 10\%$ of mean	Pass
Exposure compensation steps performance within acceptable limits	Pass
8. Breast Entrance Exposure, AEC Reproducibility and Average Glandular Dose	
Average glandular dose for average breast is ≤ 3 mGy (300 mrad)	124 mrad
Coefficient of variation for either R or mAs ≤ 0.05 (NA for systems without AEC)	Pass
9. Radiation Output Rate (>7.0 mGy air kerma/sec (800 mR/sec) @ 28 kVp, Mo/Mo)	Pass
10. Phantom Image Quality Evaluation	
5 largest fibers, 4 largest speck groups and 4 largest masses are visible*	Pass
(*4.5 fibers, 4.0 speck groups and 3.5 masses may be acceptable under certain circumstances)	
Phantom image quality scores: Fibers <input type="text" value="6.0"/> Specks <input type="text" value="4.0"/> Masses <input type="text" value="4.0"/>	
Hard copy background density must be ≥ 1.20 (with operating level ≥ 1.40)	NA
Hard copy density difference (DD) over acrylic disk must be within acceptable limits	NA
Optical densities: Background <input type="text" value="NA"/> Disk <input type="text" value="NA"/> DD <input type="text" value="NA"/>	
11. Signal-To-Noise Ratio (SNR) and Contrast-To-Noise Ratio (CNR) Measurement (values required for all tests)	
SNR is ≥ 40	SNR <input type="text" value="61.0"/>
CNR should not vary by more than $\pm 15\%$ (NA for Equipment Evaluation)	CNR <input type="text" value="12.84"/>
12. Viewbox Luminance and Room Illuminance	
Mammographic viewbox is capable of a luminance of at least 3000 cd/sq m (nit)	Pass
Room illuminance (viewbox surface as seen by observer) is ≤ 50 lux	Pass
Room illuminance (monitor surface) is ≤ 20 lux for softcopy reading	Pass
13. Review Workstation (RWS) Tests* (for all RWS, even if located offsite)	
Overall Results ("Pass" means all tests pass; indicate "Fail" if any test fails)	Pass

FDA requires that all RWS comply with a QC program that is **substantially the same as that recommended by the **image receptor manufacturer**. If the RWS is FDA-approved, the RWS's QC manual is considered to be "substantially the same" and you may follow it. (Check with the RWS manufacturer for their FDA clearance status and QC manual.) If the RWS is **not** FDA-approved for FFDM, you **must** follow the QC manual provided by the image receptor manufacturer. (Check with the image receptor manufacturer for their required tests.)

***** YOUR MEDICAL PHYSICIST MUST SUMMARIZE HIS/HER RESULTS ON THIS FORM *****

MEDICAL PHYSICIST'S MAMMOGRAPHY QC TEST SUMMARY

Full-Field Digital – Lorad/Hologic

Site Name	St. Francis Regional Medical Center	Report Date	Prelim 4/24/2019
Address	1455 St. Francis Ave., Shakopee, MN 55379	Survey Date	4/24/2019
Medical Physicist's Name	Steven T. Nicholas	Signature	
X-Ray Unit Manufacturer	Lorad/Hologic	Model	Selenia Dimensions DBT
Date of Installation	4/24/2019	Room ID	Mammo
		SN	SDM131700475
QC Manual Version #	MAN-03706, Rev. 008 (Dec 2018) <small>(use any version applicable to model; contact mfr if questions)</small>		

Accessory Equipment	Manufacturer	Model	Location	QC Manual Version #
Review Workstation*	Hologic	SecureView	On-Site	MAN-03706, Rev. 008 (Dec 2018)
Film Printer*	NA	NA	NA	NA

*FDA recommends that only monitors and printers specifically cleared for FFDM use by FDA's Office of Device Evaluation (ODE) be used. See FDA's Policy Guidance Help System (www.accessdata.fda.gov/cdrh_docs/presentations/pghs/Polis_Guidance_Help_System.htm).

Survey Type- Mammo Eqpt Evaluation (MEE) of new unit (include MQSA Rqmts for Mammo Eqpt checklist)
Features- 2D and Digital Breast Tomosynthesis (DBT)

Medical Physicist's QC Tests

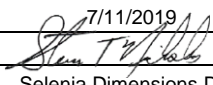
("Pass" means all components of the test passes; indicate "Fail" if any component fails. Tests must be done for both on and off-site equipment.)

		PASS/FAIL
1. Mammographic Unit Assembly Evaluation		Pass
2. Collimation Assessment		Pass
3. Artifact Evaluation		Pass
4. kVp Accuracy and Reproducibility		Pass
5. Beam Quality Assessment - HVL Measurement		Pass
6. Evaluation of System Resolution		Pass
7. Automatic Exposure Control (AEC) Function Performance <small>(NA for systems without AEC)</small>		Pass
8. Breast Entrance Exposure, AEC Reproducibility and Average Glandular Dose		
Average glandular dose for average breast is ≤ 3 mGy (300 mrad) <small>(conventional)</small>	115 mrad	Pass
Average glandular dose for average breast is ≤ 3 mGy (300 mrad) (DBT)	141 mrad	Pass
9. Radiation Output Rate		Pass
10. Phantom Image Quality Evaluation		
Phantom image scores <small>(conventional)</small>	6.0 4.0 4.5	Pass
Phantom image scores (DBT)	6.0 4.0 4.5	Pass
11. Signal-To-Noise Ratio and Contrast-To-Noise Ratio Measurements <small>(values required for all tests)</small>		
SNR <small>(value)</small>	53.6	Pass
CNR <small>(value)</small>	10.51 <small>(required for new unit MEE and Annual Survey)</small>	
CNR should not vary by more than $\pm 15\%$ <small>(NA for MEE)</small>		NA
12. Diagnostic Review Workstation (RWS) QC <small>(for all RWS, even if located offsite; NA if only hardcopy read)</small>		Pass
13. DICOM Printer QC <small>(if applicable, MEE only)</small>		NA
14. Detector Flat Field Calibration <small>(MEE only)</small>		Pass
15. Geometry Calibration For Tomosynthesis (DBT MEE only)		Pass
16. Compression Thickness Indicator <small>(MEE only)</small>		Pass
17. Compression <small>(MEE only)</small>		Pass
18. Detector Ghosting <small>(troubleshooting only)</small>		NA

***** YOUR MEDICAL PHYSICIST MUST SUMMARIZE HIS/HER RESULTS ON THIS FORM *****

MEDICAL PHYSICIST'S MAMMOGRAPHY QC TEST SUMMARY

Full-Field Digital – Lorad/Hologic

Site Name	CMDI at FirstLight Health System	Report Date	7/11/2019
Address	1425 N Main Street, Pine City, MN 55063	Survey Date	7/11/2019
Medical Physicist's Name	Steven T. Nicholas	Signature	
X-Ray Unit Manufacturer	Lorad/Hologic	Model	Selenia Dimensions DBT
Date of Installation	7/10/2019	Room ID	Mammo
		SN	SDM131900771
QC Manual Version #	MAN-03706, Rev. 008 (Dec 2018) <small>(use any version applicable to model; contact mfr if questions)</small>		

Accessory Equipment	Manufacturer	Model	Location	QC Manual Version #
Review Workstation*	Barco/Hologic	MDMG-5221	<input type="checkbox"/> On-site <input checked="" type="checkbox"/> Off-site	MAN-04959, Rev. 002
Film Printer*	NA	NA	NA	NA

*FDA recommends that only monitors and printers specifically cleared for FFDM use by FDA's Office of Device Evaluation (ODE) be used. See FDA's Policy Guidance Help System (www.accessdata.fda.gov/cdrh_docs/presentations/pghs/Polis_Guidance_Help_System.htm).

Survey Type- Mammo Eqpt Evaluation (MEE) of new unit (include MQSA Rqmts for Mammo Eqpt checklist)
Features- 2D and Digital Breast Tomosynthesis (DBT)

Medical Physicist's QC Tests

("Pass" means all components of the test passes; indicate "Fail" if any component fails. Tests must be done for both on and off-site equipment.)

		PASS/FAIL
1. Mammographic Unit Assembly Evaluation		Pass
2. Collimation Assessment		Pass
3. Artifact Evaluation		Pass
4. kVp Accuracy and Reproducibility		Pass
5. Beam Quality Assessment - HVL Measurement		Pass
6. Evaluation of System Resolution		Pass
7. Automatic Exposure Control (AEC) Function Performance <i>(NA for systems without AEC)</i>		Pass
8. Breast Entrance Exposure, AEC Reproducibility and Average Glandular Dose		
Average glandular dose for average breast is ≤ 3 mGy (300 mrad) <i>(conventional)</i>	117 mrad	Pass
Average glandular dose for average breast is ≤ 3 mGy (300 mrad) (DBT)	143 mrad	Pass
9. Radiation Output Rate		Pass
10. Phantom Image Quality Evaluation		
Phantom image scores <i>(conventional)</i>	6.0 4.0 4.5	Pass
Phantom image scores (DBT)	5.0 4.0 4.0	Pass
11. Signal-To-Noise Ratio and Contrast-To-Noise Ratio Measurements <i>(values required for all tests)</i>		
SNR <i>(value)</i>	56.9	Pass
CNR <i>(value)</i>	11.42 <small><i>(required for new unit MEE and Annual Survey)</i></small>	
CNR should not vary by more than $\pm 15\%$ <i>(NA for MEE)</i>		NA
12. Diagnostic Review Workstation (RWS) QC <i>(for all RWS, even if located offsite; NA if only hardcopy read)</i>		Pass
13. DICOM Printer QC <i>(if applicable, MEE only)</i>		NA
14. Detector Flat Field Calibration <i>(MEE only)</i>		Pass
15. Geometry Calibration For Tomosynthesis (DBT MEE only)		Pass
16. Compression Thickness Indicator <i>(MEE only)</i>		Pass
17. Compression <i>(MEE only)</i>		Pass
18. Detector Ghosting <i>(troubleshooting only)</i>		NA

***** YOUR MEDICAL PHYSICIST MUST SUMMARIZE HIS/HER RESULTS ON THIS FORM *****

MEDICAL PHYSICIST'S MAMMOGRAPHY QC TEST SUMMARY

Full-Field Digital – Lorad

Site Name	Riverwood Clinic McGregor	Report Date	5/13/2019
Address	2 East Center Ave., McGregor, MN 55760	Survey Date	5/15/2019
Medical Physicist's Name	Steven T. Nicholas	Signature	
X-Ray Unit Manufacturer	Lorad/Hologic	Model	Selenia
Date of Installation	7/13/2011	Room ID	138 Mammography

QC Manual Version: (check one; **must** use version applicable to unit tested; contact mfr if questions)

MAN-00093, Rev. 008 OTHER (write in): **MAN-01476 Rev. 001 June 2009**

Accessory Equipment:	Manufacturer	Model	Location	QC Manual Version
Review Workstation*	Hologic/Barco	MDMG-5221	<input type="checkbox"/> On-site <input type="checkbox"/> Off-site	MAN-04959, Rev. 002
Laser Film Printer*	NA	NA	NA	NA

*FDA recommends that only monitors and printers specifically cleared for FFDM use by FDA's Office of Device Evaluation (ODE) be used, but the use of others is also legal. See FDA's Policy Guidance Help System Modification Document #9 (page 27).

Survey Type: Mammo Eqpt Evaluation of new unit (include MQSA Rqmts for Mammo Eqpt checklist) Annual Survey

Medical Physicist's QC Tests

	PASS/FAIL
1. Mammographic Unit Assembly Evaluation	
Performs according to 1999 ACR Mammography Quality Control Manual	Pass
Autodecompression can be overridden to maintain compression (& status displayed)	Pass
Manual emergency compression release can be activated in the event of power failure	Pass
2. Collimation Assessment	
Deviation between X-ray field and light field $\leq 2\%$ of SID	Pass
X-ray field does not extend beyond any side of the IR by $>2\%$ of SID	Pass
X-ray field covers all of the IR on the chest wall side	Pass
Paddle chest wall edge does not extend beyond IR by $>1\%$ of SID or appear on mammogram	Pass
3. Artifact Evaluation (no significant artifacts visible)	Pass
4. kVp Accuracy and Reproducibility	
Measured average kVp within $\pm 5\%$ of indicated kVp	Pass
kVp coefficient of variation ≤ 0.02	Pass
5. Beam Quality Assessment - HVL Measurement	Pass
6. Evaluation of System Resolution (system limiting spatial resolution >7 cycles/mm (lp/mm))	Pass
7. Automatic Exposure Control (AEC) Function Performance (NA for systems without AEC)	
Each pixel value (2-8 cm; all operating modes) within $\pm 10\%$ of mean	Pass
Exposure compensation steps performance within acceptable limits	Pass
8. Breast Entrance Exposure, AEC Reproducibility and Average Glandular Dose	
Average glandular dose for average breast is ≤ 3 mGy (300 mrad)	182 mrad Pass
Coefficient of variation for either R or mAs ≤ 0.05 (NA for systems without AEC)	Pass
9. Radiation Output Rate (Mo/Mo > 800 mR/sec, W/Rh > 230 mR/sec)	Pass
10. Phantom Image Quality Evaluation	
5 largest fibers, 4 largest speck groups and 4 largest masses are visible*	Pass
(*4.5 fibers, 4.0 speck groups and 3.5 masses may be acceptable under certain circumstances)	
Phantom image quality scores: Fibers <input type="text" value="6.0"/> Specks <input type="text" value="4.0"/> Masses <input type="text" value="4.5"/>	
Hard copy background density must be ≥ 1.20 (with operating level ≥ 1.40)	NA
Hard copy density difference (DD) over acrylic disk must be within acceptable limits	NA
Optical densities: Background <input type="text" value="NA"/> Disk <input type="text" value="NA"/> DD <input type="text" value="NA"/>	
11. Signal-To-Noise Ratio (SNR) and Contrast-To-Noise Ratio (CNR) Measurement (values required for all tests)	
SNR is ≥ 40	SNR <input type="text" value="44.3"/> Pass
CNR should not vary by more than $\pm 15\%$ (NA for Equipment Evaluation)	CNR <input type="text" value="10.35"/> Pass
12a. DICOM Printer QC (required for MEE only)	NA
12b. Viewbox Luminance and Room Illuminance	
Mammographic viewbox is capable of a luminance of at least 3000 cd/sq m (nit)	Pass
Room illuminance (viewbox surface as seen by observer) is ≤ 50 lux	Pass
Room illuminance (monitor surface) is ≤ 20 lux for softcopy reading	Pass
13. Review Workstation (RWS) Tests* (for all RWS, even if located offsite)	
Overall Results ("Pass" means all tests pass; indicate "Fail" if any test fails)	Pass
14. Detector Flat Field Calibration (required for MEE only)	NA
15. Compression Thickness Indicator (required for MEE only)	Pass
16. Compression (required for MEE only)	NA

FDA requires that all RWS comply with a QC program that is **substantially the same as that recommended by the **image receptor manufacturer**. If the RWS is FDA-approved, the RWS's QC manual is considered to be "substantially the same" and you may follow it. (Check with the RWS manufacturer for their FDA clearance status and QC manual.) If the RWS is **not** FDA-approved for FFDM, you **must** follow the QC manual provided by the image receptor manufacturer. (Check with the image receptor manufacturer for their required tests.)

***** YOUR MEDICAL PHYSICIST MUST SUMMARIZE HIS/HER RESULTS ON THIS FORM *****

MEDICAL PHYSICIST'S MAMMOGRAPHY QC TEST SUMMARY

Full-Field Digital – Lorad

Site Name	Riverwood Garrison Clinic	Report Date	5/13/2019
Address	27278 State Highway 18, Garrison, MN 56450	Survey Date	5/15/2019
Medical Physicist's Name	Steven T. Nicholas	Signature	
X-Ray Unit Manufacturer	Lorad/Hologic	Model	Selenia
Date of Installation	7/20/2011	Room ID	110 Mammography

QC Manual Version: (check one; **must** use version applicable to unit tested; contact mfr if questions)

MAN-00093, Rev. 008

OTHER (write in):

MAN-01476 Rev. 001 June 2009

Accessory Equipment:

	Manufacturer	Model	Location	QC Manual Version
Review Workstation*	Hologic/Barco	MDNG-5121 BB	<input type="checkbox"/> On-site <input type="checkbox"/> Off-site	MAN-01476 Rev. 001 June 2009
Laser Film Printer*	NA	NA	NA	NA

*FDA **recommends** that only monitors and printers specifically cleared for FFDM use by FDA's Office of Device Evaluation (ODE) be used, but the use of others is also legal. See FDA's Policy Guidance Help System Modification Document #9 (page 27).

Survey Type:

Mammo Eqpt Evaluation of new unit (include MQSA Rqmts for Mammo Eqpt checklist)

Annual Survey

Medical Physicist's QC Tests

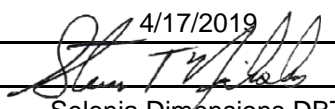
	PASS/FAIL
1. Mammographic Unit Assembly Evaluation	
Performs according to 1999 ACR Mammography Quality Control Manual	Pass
Autodecompression can be overridden to maintain compression (& status displayed)	Pass
Manual emergency compression release can be activated in the event of power failure	Pass
2. Collimation Assessment	
Deviation between X-ray field and light field $\leq 2\%$ of SID	Pass
X-ray field does not extend beyond any side of the IR by $>2\%$ of SID	Pass
X-ray field covers all of the IR on the chest wall side	Pass
Paddle chest wall edge does not extend beyond IR by $>1\%$ of SID or appear on mammogram	Pass
3. Artifact Evaluation (no significant artifacts visible)	Pass
4. kVp Accuracy and Reproducibility	
Measured average kVp within $\pm 5\%$ of indicated kVp	Pass
kVp coefficient of variation ≤ 0.02	Pass
5. Beam Quality Assessment - HVL Measurement	Pass
6. Evaluation of System Resolution (system limiting spatial resolution >7 cycles/mm (lp/mm))	Pass
7. Automatic Exposure Control (AEC) Function Performance (NA for systems without AEC)	
Each pixel value (2-8 cm; all operating modes) within $\pm 10\%$ of mean	Pass
Exposure compensation steps performance within acceptable limits	Pass
8. Breast Entrance Exposure, AEC Reproducibility and Average Glandular Dose	
Average glandular dose for average breast is ≤ 3 mGy (300 mrad)	159 mrad Pass
Coefficient of variation for either R or mAs ≤ 0.05 (NA for systems without AEC)	Pass
9. Radiation Output Rate (Mo/Mo > 800 mR/sec, W/Rh > 230 mR/sec)	Pass
10. Phantom Image Quality Evaluation	
5 largest fibers, 4 largest speck groups and 4 largest masses are visible*	Pass
(*4.5 fibers, 4.0 speck groups and 3.5 masses may be acceptable under certain circumstances)	
Phantom image quality scores: Fibers <input type="text" value="6.0"/> Specks <input type="text" value="4.0"/> Masses <input type="text" value="4.5"/>	
Hard copy background density must be ≥ 1.20 (with operating level ≥ 1.40)	NA
Hard copy density difference (DD) over acrylic disk must be within acceptable limits	NA
Optical densities: Background <input type="text" value="NA"/> Disk <input type="text" value="NA"/> DD <input type="text" value="NA"/>	
11. Signal-To-Noise Ratio (SNR) and Contrast-To-Noise Ratio (CNR) Measurement (values required for all tests)	
SNR is ≥ 40	SNR <input type="text" value="44.1"/> Pass
CNR should not vary by more than $\pm 15\%$ (NA for Equipment Evaluation)	CNR <input type="text" value="10.65"/> Pass
12a. DICOM Printer QC (required for MEE only)	NA
12b. Viewbox Luminance and Room Illuminance	
Mammographic viewbox is capable of a luminance of at least 3000 cd/sq m (nit)	Pass
Room illuminance (viewbox surface as seen by observer) is ≤ 50 lux	Pass
Room illuminance (monitor surface) is ≤ 20 lux for softcopy reading	Pass
13. Review Workstation (RWS) Tests* (for all RWS, even if located offsite)	
Overall Results ("Pass" means all tests pass; indicate "Fail" if any test fails)	Pass
14. Detector Flat Field Calibration (required for MEE only)	NA
15. Compression Thickness Indicator (required for MEE only)	Pass
16. Compression (required for MEE only)	NA

FDA requires that all RWS comply with a QC program that is **substantially the same as that recommended by the **image receptor manufacturer**. If the RWS is FDA-approved, the RWS's QC manual is considered to be "substantially the same" and you may follow it. (Check with the RWS manufacturer for their FDA clearance status and QC manual.) If the RWS is **not** FDA-approved for FFDM, you **must** follow the QC manual provided by the image receptor manufacturer. (Check with the image receptor manufacturer for their required tests.)

***** YOUR MEDICAL PHYSICIST MUST SUMMARIZE HIS/HER RESULTS ON THIS FORM *****

MEDICAL PHYSICIST'S MAMMOGRAPHY QC TEST SUMMARY

Full-Field Digital – Lorad

Site Name	St Luke's - Chequamegon Clinic	Report Date	5/16/2019
Address	2201 Lakeshore Drive E, Ashland, WI 54806	Survey Date	4/17/2019
Medi Steven T. Nicholas	Steven T. Nicholas	Signature	
X-Ray Unit Manufacturer	Hologic	Model	Selenia Dimensions DBT
Date of Installation	3/14/18	Room ID	Mammography/DEXA Room #129
		SN	SDM131900240
QC Manual Version #	MAN-03706, Rev. 006 (June 2017) <small>(use any version applicable to model; contact mfr if questions)</small>		

Accessory Equipment	Manufacturer	Model	Location	QC Manual Version #
Review Workstation*	Barco/Hologic	MDMG-5221	<input type="checkbox"/> On-site <input checked="" type="checkbox"/> Off-site	MAN-04959, Rev. 002
Film Printer*	NA	NA	NA	NA

*FDA recommends that only monitors and printers specifically cleared for FFDM use by FDA's Office of Device Evaluation (ODE) be used. See FDA's Policy Guidance Help System www.fda.gov/CDRH/MAMMOGRAPHY/robohelp/START.HTM.

Survey Type Mammo Eqpt Evaluation of new unit (include MQSA Rqmts for Mammo Eqpt checklist) Annual Survey

Medical Physicist's QC Tests

("Pass" means all components of the test passes; indicate "Fail" if any component fails. Tests must be done for both on and off-site equipment.)

	PASS/FAIL
1. Mammographic Unit Assembly Evaluation	Pass
2. Collimation Assessment	Pass
3. Artifact Evaluation	Pass
4. kVp Accuracy and Reproducibility	Pass
5. Beam Quality Assessment - HVL Measurement	Pass
6. Evaluation of System Resolution	Pass
7. Automatic Exposure Control (AEC) Function Performance <small>(NA for systems without AEC)</small>	Pass
8. Breast Entrance Exposure, AEC Reproducibility and Average Glandular Dose	Pass
Average glandular dose for average breast is ≤ 3 mGy (300 mrad) 111 mrad	
9. Radiation Output Rate	Pass
10. Phantom Image Quality Evaluation	Pass
Phantom image scores: Fibers 6.0 Specks 4.0 Masses 4.5	
11. Signal-To-Noise Ratio and Contrast-To-Noise Ratio Measurements <small>(values required for all tests)</small>	Pass
SNR (value) 52.3	
CNR (value) 10.18 <small>(Required for both new unit Mammography Equipment Evaluations and Annual Surveys)</small>	
CNR should not vary by more than $\pm 15\%$ <small>(NA for Equipment Evaluation)</small>	Pass
12. Diagnostic Review Workstation (RWS) QC <small>(for all RWS, even if located offsite; NA if only hardcopy read)</small>	Pass
13. DICOM Printer QC <small>(Mammography Equipment Evaluations only)</small>	NA
14. Detector Flat Field Calibration <small>(Mammography Equipment Evaluations only)</small>	NA
15. Compression Thickness Indicator <small>(Mammography Equipment Evaluations only)</small>	Pass
16. Compression <small>(Mammography Equipment Evaluations only)</small>	Pass
17. Geometry Calibration	Pass

***** YOUR MEDICAL PHYSICIST MUST SUMMARIZE HIS/HER RESULTS ON THIS FORM *****