Selenia®

Digital Mammography System


# Selenia 5.3x Customer Release Notes

**MAN-11024 Revision 001**

HOLOGIC®

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Digital Mammography System

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# Part Number MAN-11024

# Revision 001

January 2024


**Product Support**

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# Chapter 1 Quality Control Requirements (US Sites, Only)

## 1.1 Introduction

This document is provided as an overview of Selenia version 5.3. Selenia 5.3 is a Windows implementation of Selenia 3.4. It does not alter and does not affect the performance of the Selenia system. The following sections describe the tests that need to be performed after this upgrade and prior to clinical use.

**Note** This document is not meant to replace the *User Guide*. Changes described in these release notes may not be reflected in the current revision of the *User Guide*.

## 1.2 QC Section

### 1.2.1 If upgrading from Selenia 3.4.x

#### 1.2.1.1 Medical Physicist

The system upgrade will require a full Medical Equipment Evaluation (MEE) to be performed by a medical physicist before clinical use. Details regarding a full MEE evaluation of the Selenia FFDM system are provided in the *Selenia Quality Control Manual*.

### 1.2.2 If Upgrading from Selenia 5.0.x, 5.1.x, or 5.2.x

#### 1.2.2.1 Radiologic Technologist

This software upgrade requires the performance of the following tests by a radiologic technologist by following the corresponding tests in the Quality Control Activities for the Radiologic Technologist section of the *Selenia Quality Control Manual*:

1. Phantom image evaluation.
2. Signal-to-noise and contrast-to-noise measurements.
3. DICOM printer quality control.

#### 1.2.2.2 Medical Physicist

The software upgrade does not require any testing to be performed by a medical physicist. However, the tests described above, which the technologist will perform, are considered to be conducted under the oversight of the medical physicist retained by the facility. The medical physicist needs to be made aware of, and provided the opportunity to review, the results of the tests.

The medical physicist should check that the dose reported on the ACR phantom after the software upgrade is similar to the dose reported during the last phantom image quality evaluation test performed by the technologist prior to the upgrade.

**Note**

The above tests must be conducted on each individual Selenia system that was upgraded to the v 5.3 software release.

## 1.3 Applications Support

For questions about this software version, call the Hologic Applications Support Hotline at 888-679-0689.

# Chapter 2 Selenia 5.3.1 Release Notes

## 2.1 Software Enhancements

### 2.1.1 Resolved Software Issues

- Resolved infrequent issue where KV value can be marginally incorrect for the first exposure in the calibration procedure.
- Resolved issue where communication is lost between the workstation and gantry before the exposure sequence.
- HVL DICOM Tag (0040,0314) is now populated with correct value.
- Improved French translation for login screen text.

# Chapter 3 Selenia 5.3.0 Release Notes

## 3.1 Software Enhancements

### 3.1.1 Resolved Software Issues

#### 3.1.1.1 Output Devices

- Window width and window level are now correctly stored with the images when sent to output devices.
- No extra marker is generated when imported images are sent to output devices.

#### 3.1.1.2 DICOM

- MPPS (Modality Performed Procedure Step) was enhanced for improved consistency and DICOM performance.
- MWL (Modality Worklist) records missing a study instance UID (Unique Identifier) are now correctly handled.

#### 3.1.1.3 Workflow

- Patients scheduled for more than one procedure in MWL are now handled correctly.
- Issue fixed where a mag image followed by a non-mag image of the same view was incorrectly reported as a repeat.

#### 3.1.1.4 Importing

- Query retrieve import filter now correctly removes null tags.
- Non-Hologic imported images now retain all original DICOM tags when sent to output devices.

#### 3.1.1.5 User Interface

- Crosshair issues with non-English systems have been corrected.
- The cancel button on the procedure resolution page has been fixed.
- Improved French translations for the user interface.
- Issue fixed where clicking return to preview from the reject reason dialog caused the user to not be able to directly accept the image.
- Marker placement is improved.
- Issue fixed where clicking omit patient name on spool management to printers was ignored.
- The title text bar now reflects the site name rather than Lorad.
- Exam date and time on the enter image comments page is now correct.

#### 3.1.1.6 Imaging

- AEC (Automatic Exposure Control) density scale factor in standard setup is now properly stored between system reboots.

- Markers and DICOM tags for spot paddle images are now correctly generated.

#### 3.1.1.7 Other

- Jobs are now properly handled when the UPS shuts the system down.
- Spurious messages about the reclaimer at startup are now suppressed.
- The Repeat/Reject Report date handling was corrected so that the number of days for specific months is accurate.
- Issue fixed where application could crash when station name was configured with invalid characters.

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