

**NX 3.0.23.00 / NX 4.0.23.00**
**DR 100e**
**DR 100s**
**DR 400**
**DR 600**
**DR 800**
**DR Retrofit**
**DX-D 100**
**DX-D 100 Wireless**
**DX-D 300**
**DX-D 400**
**DX-D 500**
**DX-D 600**
**Mammo DR Retrofit**
**Valory**

Type 4406

No. 09

Type 6012

No. 50

Type 6013

No. 49

Type 5520

No. 167

Type 5530

No. 213

Type 6010

No. 58

Type 5400

No. 133

Type 5410

No. 139

Type 5411

No. 189

Type 8207

No. 173

Type 5420

No. 127

Type 8206

No. 89

Type 5430

No. 194

Type 5400

No. 20

Type 5540

No. 11

Document ID: 79985325

## Service Bulletin

### NX 23.00 SU2 available to solve XD Detector grid line issues

#### Task

Timing	Category	Scope
<input checked="" type="radio"/> Next service as agreed with customer	<input type="radio"/> Apply at all sites	<input checked="" type="radio"/> Problem Record: PRB2000828
	<input checked="" type="radio"/> Apply at affected sites as listed below	
	<input type="radio"/> Optional to improve functionality of product	

#### Task Tracking

After completion of your task the following entry in your Service Report is required:

79985325

\*

\* Insert the document number into the field "Comment" (SMS form).

Purpose of this document:

- A software patch NX 23.00 SU2 has been released on top of NX 23.00 SU1, to solve grid line issues that might appear with some XD Detectors.

Affected systems:

All DR systems with XD Detectors in combination with VDI 4.1 or 4.2 can be affected.

The solutions described in this Service Bulletin have been reviewed and are NOT reportable because no actions are taken to reduce a "Risk to Health" according to our risk assessment process.

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## 1 Introduction

A software patch NX 23.00 SU2 has been released to solve the following problem record:

### **Sporadically grid lines appear in the images of some XD Detectors [PRB2000828]**

#### *Symptom*

Sporadically grid lines can be seen in the images of some XD Detectors (XD 10, XD 14, XD 17). With XD+ detectors the gridlines suppression is sufficient for clinical purposes but sometimes subtle grid line artifacts can be observed.

The following Detectors are affected: All Detectors that have been configured with one of the following model files which are new with VDI 4.1 and VDI 4.2:

- XD 17 FIXED.xml
- XD 17+ FIXED.xml
- XD 10 (SUPPLIER A).xml
- XD 10+ (SUPPLIER A).xml
- XD 10+ (SUPPLIER E).xml
- XD 14 (SUPPLIER A).xml
- XD 14+ (SUPPLIER A).xml
- XD 14+ (SUPPLIER E).xml
- XD 17 (SUPPLIER A).xml
- XD 17+ (SUPPLIER A).xml
- XD 17+ (SUPPLIER E).xml
- XD 17 FIXED (SUPPLIER A).xml
- XD 17+ FIXED (SUPPLIER A).xml
- XD 17+ FIXED (SUPPLIER E).xml

The issue only appears with 132 lpi antiscatter grids. XD 10, XD 14, XD 17 is only released with these grids. XD+10, XD+14, XD+17 also supports 215 lpi grids. There no image quality issue is present.



#### **NOTE:**

Not affected are the XD Detectors which were configured with one of the following model files (model file was used because third character of panel serial number = 'D'):

- XD 10.xml
- XD 10+.xml
- XD 14.xml
- XD 14+.xml
- XD 17.xml
- XD 17+.xml

Also not affected are DX-D 40, DX-D 45 and DX-D 60.

#### *Cause*

Software issue: The special, further improved grid line suppression algorithm for the combination "Dura-line panel / 132 lpi antiscatter grid" which was introduced with NX 23.00 SU1 is accidentally not used with the new XD Detector model files that were introduced with VDI 4.1 and VDI 4.2.

*Workaround* None

*Solution* Update these systems with NX 23.00 SU2, where one of the model files listed above has been used for configuration of the XD Detector.

## 1.1 Additional solved software issue

The following software issue, which has been detected in NX 23.00 SU1, is also solved with NX 23.00 SU2:

If a system has an exam tree with a lot of configured exams, the NX was not as responsive as expected when creating or adding new exams. When pressing for example the **Add image** button, it took up to several seconds before the next button could be pressed. Expected was an immediate response of NX.

## 1.2 NX 23.00 SU2 in a nutshell

- NX 23.00 SU2 can only be installed on top of NX 23.00 SU1. Therefore it is mandatory to update a system with NX 23.00 SU1 before installing NX 23.00 SU2.
- An NX used as CMS (Central Monitoring Station) must be at least on NX 23.00 SU1 to interact with an inroom NX 23.00 SU2.
- NX 23.00 SU2 is introduced in production with a slight delay. This means that in the coming weeks, new systems will also need to be updated with NX 23.00 SU2.
- NX 23.00 SU2 solves two software issues in NX 23.00 SU1:
  - Sporadically grid lines appear in the images of some XD Detectors [PRB2000828]
  - If a system has an exam tree with a lot of configured exams, the NX is not as responsive as expected when creating or adding new exams



### NOTE:

As VDI 4.1 and VDI 4.2 can only be installed in combination with NX 23.00 SU1, no additional compatibility with other XRDl or Detector components needs to be observed when updating a VDI 4.1 / VDI 4.2 XD Detector system with NX 23.00 SU2.

## 2 Prerequisites



### SOFTWARE:

- Download the following software from the Agfa Med Img Library:  
NX 23.00 SU2 installer, size ≈ 1 MB, Document ID [79990349](#)

#### Contents of the ZIP file:

- NX23.00.SU2.(Build.23.0.1220).v1.exe
- Readme NX 23.00 SU2 (Installation Instructions).txt
- Obtain a new ALF (Application License File) for the NX Workstation which shall be updated to NX 23.00 SU2.

As alternative, download the software directly from the AgfaBox. For details refer to the Service Information Bulletin “AgfaBox replaces Fileshare for software downloads”, Document ID [71987422](#).



### REFERENCED DOCUMENTS:

- NX 23.00 SB02, NX 23.00 SU1 available, Document ID [77378094](#)
- VDI 4.1 Release SB: Release of VDI 4.1 to solve several software issues, Document ID [77994774](#)
- VDI 4.2 Release SB: Release of VDI 4.2 to introduce some new features for XD Detectors, Document ID [79741129](#)



### IMPORTANT:

The installation and service of the product(s) described herein is to be performed by qualified personnel who are employed by Agfa NV or one of its affiliates or who are otherwise authorized by Agfa NV or one of its affiliates to provide such services.



### IMPORTANT:

Strictly observe all safety directions within the *Generic Safety Directions*, Document ID [11849633](#).

### 3 Instructions

**REQUIRED TIME:**

20 minutes

- 10 minutes installation of NX 23.00 SU2 on top of NX 23.00 SU1
- 10 minutes verification

**Installing NX 23.00 SU2 on top of NX 23.00 SU1**

- (1) Follow the readme which is part of the NX 23.00 SU2 ZIP file on the Medimg Library.

### 4 Verification

**IMPORTANT:**

After the service intervention, make sure that the device is operational as intended, before you hand it over to the customer.  
Follow the instructions in this section precisely.

- (1) Verify the software update as described in the readme which is part of the NX 23.00 SU2 ZIP file on the library.

**NOTE:**

After the NX 23.00 SU2 update, the NX shows **Type 23.00 SU2** and **Build 23.0.1220**.

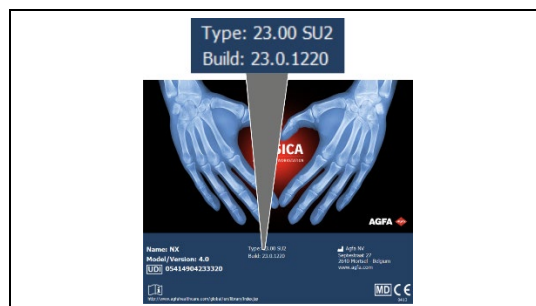


Figure 1

### 5 Keywords

XD, Duraline, GLS, grid lines, SU, software update

### 6 Version history

Version	Change	Date
1.0	Initial Version	06-2022