

## Service Bulletin

### Revised information: Updated Information about Bluetooth Stick

### Announcement of DX-D 100 system version 7.0

| Task                                 |                                  |  |                            |
|--------------------------------------|----------------------------------|--|----------------------------|
| Timing                               |                                  | Category                                     | Scope                      |
| Next service as agreed with customer | <input type="radio"/>            | Apply at all sites                           | Problem Record: PRB0048625 |
|                                      | <input type="radio"/>            | Apply at affected sites as listed below      |                            |
|                                      | <input checked="" type="radio"/> | Optional to improve functionality of product |                            |

#### Task Tracking

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

DD+DIS139.15E

\*

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

Purpose of this document:

- This document announces version 7.0 of the DX-D 100 / DX-D 100 Wireless system.
- It introduces the new subtype 5411/300.
- It lists the components and software which have been introduced with DX-D 100 / DX-D 100 Wireless system version 7.0.
- DX-D 100 subtype 5411/300 is introduced.
- It contains the solution for the listed PRB case.

Subtype 5411/300 will be released in production from serial number A5411002xxx

The signatures on the approval page indicate 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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Release date: 12-2015

DX-D 100 / DX-D 100 Wireless

Agfa HealthCare Company Confidential Type 5410/050 / 5411/050 / 5411/300

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## 1 Introduction/purpose

The following features are included in the release of DX-D 100 / 100 Wireless V 7.0:

- (1) Introduction of the new subtype of DX-D 100 with wireless detector DX-D 40/45. The DX-D 40C/G detector only works in trigger mode. For details, refer to DX-D 40 / DX-D 45 Detector – Service Manual. See 'Referenced Documents' in section 2 of this bulletin.
- (2) Introduction of several optional components.
- (3) Release of softconsole version SC v 5.5 SU1.

*Symptom* Exposure parameters are not visible during prep delay determination / exposure.  
*PRB0048625*

*Cause* Issue with Sedecal softconsole 5.5 on DX-D 100 in combination with NX 8900 or higher.

*Solution* The issue is solved with Sedecal softconsole version 5.5 build number 5.5.015 which is introduced with DX-D 100 V. 7.0.

### 1.1 New components of DX-D 100 version 7.0

#### 1.1.1 Overview of DX-D 100 subtypes and configurations

The new subtype 5411/300 has been created for DX-D 100 Wireless solutions. This new subtype '300' is the indicator for the DX-D 40/45 detectors. So, three different DX-D 100 configurations are possible as from DX-D 100 V7.0:

- Type number 5410/050, with tethered detector DX-D 10C/G or DX-D 20C/G
- Type number 5411/050, with wireless detector DX-D 30C or DX-D35C
- Type number 5411/300, with wireless detector DX-D 40C/G or DX-D 45C/G

|           | DX-D 100<br>5410/050 | DX-D 100<br>wireless<br>5411/050 | DX-D 100<br>wireless<br>5411/300 |
|-----------|----------------------|----------------------------------|----------------------------------|
| DX-D20C/G | ✓                    | -                                | -                                |
| DX-D10C/G | ✓                    | -                                | -                                |
| DX-D30C   | -                    | ✓                                | -                                |
| DX-D35C   | -                    | ✓                                | -                                |
| DX-D40C/G | -                    | -                                | ✓                                |
| DX-D45C/G | -                    | -                                | ✓                                |

## 1.1.2 Version overview

| System version                      | 6.x                  | 7                            |
|-------------------------------------|----------------------|------------------------------|
| Type                                | 5410/050<br>5411/050 | 5410/050                     |
|                                     |                      | 5411/050                     |
|                                     |                      | 5411/300                     |
| System version                      | 6.x                  | 7                            |
| NX Workstation                      | NX 8900 SU1          | NX 8900 SU1                  |
| XRDI                                | 16                   | 16                           |
| Canon Detector Software CDI         | 3.3                  | 3.3                          |
| Varian Detector Software VRN        | 7.3                  | 7.3                          |
| VDI software                        | -                    | 2.0                          |
| Sedecal SoftConsole                 | 5.5                  | 5.5 SU1<br>Build no. 5.5.015 |
| Agfa Softconsole ASC                | 2.0                  | 2.0                          |
| Sedecal TechServ 1)                 | 6.15                 | 6.15                         |
| DR Service Toolbox 2)               | 10.0.0.297 - whql    | 10.0.0.297 - whql            |
| Generator firmware<br>ATP Console   | V7R1b78              | V7R1b78                      |
| Generator firmware<br>HT controller | V5R8.9               | V5R8.9                       |
| Motion Control Board firmware       | V11R3b5              | V11R3b5                      |
| Atheros driver                      | V10.0.0.279          | V10.0.0.279                  |

### 1.1.3 Overview of components

#### Components included ex-factory:

- DX-D 40C/G V2.0 wireless DR detector
- DX-D 45C/G V1.0 wireless DR detector  
Slim-line lightweight flat panel detectors.
  - DX-D 40C / DX-D 45C uses cesium iodide (CsI)
  - DX-D 40G / DX-D 45G uses gadolinium-oxide sulfide (GOS)
- VDI 2.0 software  
Viewworks detector software for use with the DX-D 40 / DX-D 45 detectors
- SCU  
System Control Unit. In DX-D 100 / DX-D 100 Wireless Systems the smaller version – 'mini SCU' - is used. In the DX-D 100 / 100 Wireless the mini SCU's access point functionality has to be disabled. The Cisco access point is used instead.
- Cisco router with internal antennas  
New version of the Cisco Wireless Access Point with internal antennas in contrast to the former Access Point version with external antennas.
- Integrated battery charger  
Dedicated battery charger for the DX-D 40 (DX-D 45) Detector battery pack, integrated in the front cover of the DX-D 100 mobile unit.
- Sedecal Softconsole 5.5 SU1  
Successor of the current Sedecal Softconsole version 5.5.
- Inclino meter (+90/-30°), placed at both sides of the tube.

**Optional components for all three DX-D 100 subtypes:**

- Parani UD100 Bluetooth stick.  
The Bluetooth stick can be used to connect accessories, for example:
  - Keyboard
  - Touchpad
  - Mouse
  - Barcode reader
  
- LED Status Indicator.  
The status indicator is an LED bar which is placed under the control console frame.  
It indicates the status READY / PREP status or the X-ray exposure status.

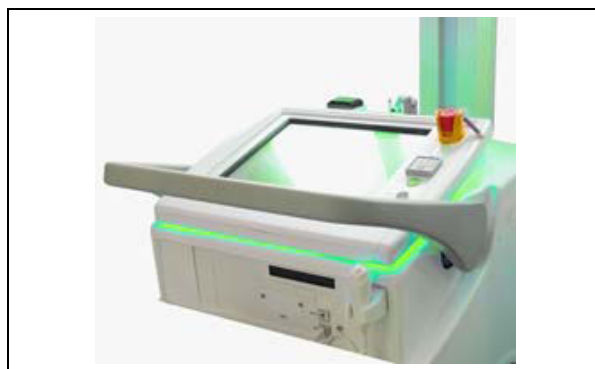


Figure 1

**For DX-D 100 wireless subtype 5411/300:**

- Grid 215 lines/inch, 6:1, focalized at 40-72 inch aluminum cover (incl. casing)
- DX-D 40 Handle Frame

## 1.2 Service Documentation

New Service Documentation for DX-D 100 Wireless V7 is available in the Agfa HealthCare Library:

**Direct Radiography > DX-D 100 Wireless > DX-D 100 Wireless V7**

For a complete overview of the Service Documentation, refer to *DX-D 100 Wireless V7 - List of Service Documents*, Document ID [51222138](#)

New Service Documentation for DX-D 100 V7 is available in the Agfa HealthCare Library:

**Direct Radiography > DX-D 100 > DX-D 100 V7**

For a complete overview of the Service Documentation, refer to *DX-D 100 V7 - List of Service Documents*, Document ID [51220169](#)

## 1.3 Affected documents

- DX-D 100 Wireless V 7.0 - Service Manual  
**Direct Radiography > DX-D 100 Wireless > DX-D 100 Wireless V7 > Service Manual**, Document ID [51229591](#)
- DX-D100 V 7.0 – Service Manual  
**Direct Radiography > DX-D 100 > DX-D 100 V7 > Service Manual**, Document ID [51228328](#)



### NOTE:

Starting with system version 7.0, the DX-D 100 Wireless service manual will contain all information about the DX-D 30C / DX-D 35C wireless detectors as well as information about the DX-D 40C/G and DX-D 45C/G wireless detectors.

- DX-D 40 / DX-D 45 Detector – Service Manual  
**Direct Radiography > DR Detectors > DX-D 40C/45C > Service Manual**, Document ID [45016244](#)
- DX-D 100 Wireless V5/V6/V7 – Acceptance Test  
**Direct Radiography > DX-D 100 Wireless > DX-D 100 Wireless V7 > Service Manual** Document ID [45649895](#)
- DX-D 100 V5/V6/V7 – Acceptance Test  
**Direct Radiography > DX-D 100 > DX-D 100 V7 > Service Manual**, Document ID [45650097](#)
- DX-D 100 Wireless V7 – List of Service Documents  
**Direct Radiography > DX-D 100 Wireless > DX-D 100 Wireless V7 > Service Manual**, Document ID: [51222138](#)
- DX-D 100 V7 – List of Service Documents  
**Direct Radiography > DX-D 100 > DX-D 100 V7 > Service Manual**, Document ID [51220169](#)

## 2 Prerequisites

Not applicable as the new subtype 5411/300 DX-D 100 will be delivered completely ex factory.

For prerequisites when upgrading existing DX-D 100 assemblies, see section 3.2 of this bulletin.

## 3 Instructions



### REQUIRED TIME:

30 minutes for installing and configuration of Sedecal SoftConsole 5.5 SU1.

### 3.1 DX-D 100 Wireless V7 installation

#### New installation

Installation of a new DX-D 100 Wireless V7.0 system is described in the *DX-D 100 Wireless V7 – Service Manual*. See *Referenced Documents* in section 3.3 of this bulletin.

### 3.2 Upgrading existing DX-D 100 / DX-D 100 Wireless systems to V7.0

The following component will be available for existing DX-D 100 subtypes 4510/050 and 4511/050 installations:

- Sedecal Softconsole 5.5 SU1



#### NOTE:

The Bluetooth stick and the LED Status Indicator listed in section 1.1.3 will become available for upgrading in January 2016.

For detailed information, refer to *DX-D 100 SB No. 73 – Upgrading DX-D 100 / DX-D 100 Optional upgrades to Version 7.0: Installation of LED Status Indicator and Bluetooth*. See *Referenced Documents* in section 3.3 of the present document.



### 3.3 Prerequisites

ELMS license for SC 5.5 SU1 needs to be activated.



**NOTE:**

It is only possible to install the correct component if a correct license is available in the license file. Interoperability is controlled via ELMS. Refer to the Simplified ELMS DR Subproduct Interoperability Matrix, Document ID 35878296,

 [Agfa Intranet](#) /  [Agfa Portal via Internet](#).



**SOFTWARE:**

Download the X-Ray Generator – Software – Sedecal SoftConsole 5.5 SU1 software from the Agfa HealthCare Library:

**Direct Radiography > DX-D Components > Generator > Software**

For installation details of the Softconsole, see sections 3.4 and 3.5 of this bulletin.



**TOOLS:**

Portable storage medium, checked to be virus-free, e.g. USB Flash Drive.



**REFERENCED DOCUMENTS:**

- DX-D 40 / DX-D 45 Detector – Service Manual  
**Direct Radiography > DR Detectors > DX-D 40C/45C > Service Manual**, Document ID [45016244](#)
- DX-D 100 Wireless V 7.0 - Service Manual  
**Direct Radiography > DX-D 100 Wireless > DX-D 100 Wireless V7 > Service Manual**, Document ID [51229591](#)
- DX-D100 V 7.0 – Service Manual  
**Direct Radiography > DX-D 100 > DX-D 100 V7 > Service Manual**, Document ID [51228328](#)
- DX-D 100 SB No. 73 – Optional upgrades to Version 7.0: Installation of LED Status Indicator and Bluetooth  
**Direct Radiography > DX-D 100 > DX-D 100 Generic > Service Bulletin**, Document ID [51333879](#)
- Simplified ELMS DR Subproduct Interoperability Matrix  
**General Info > Agfa HealthCare > Publications > Service Manual**

### 3.4 Preparing the upgrade



#### IMPORTANT:

The following step is crucial as some files will be lost after the upgrade:

- (1) Make a copy of the **SiteConfig.xml** file which is located in the **C:\Agfa\Healthcare\Sedecal** folder.

### 3.5 Upgrading software on NX workstation

Perform the following steps at the NX Workstation to upgrade to Sedecal Softconsole 5.5 SU1:

- (1) Stop NX.
- (2) Copy the applicable Sedecal Softconsole installer to **C:\Agfa\Healthcare\NX\Installers\Sedecal**  
Create the folder Sedecal if it doesn't exist.
- (3) Export the current NX configuration via NX configuration tool.
- (4) Load the updated NX license file (.alf) via the license manager.
- (5) The following error message may occur. Click **Yes** to continue.

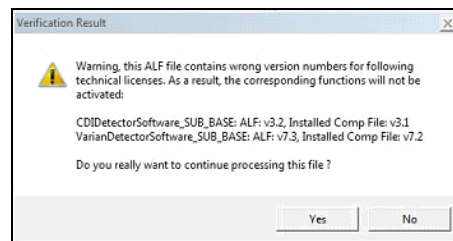


Figure 2

- (6) Load the new installers by using the Activation Utility Helper.
- (7) Reload the previously saved NX configuration via NX configuration tool.
- (8) Activate the configuration.
- (9) Restore the backup file saved in section 3.4

#### Installation instructions for all scenarios

For the installation sequence, see

- DX-D 100 Wireless V7 – Service Manual, section 4.
- DX-D 100 V7 – Service Manual, section 4.

For detailed installation information about the DX-D 40C/G and DX-D 45C/G detectors, see

- DX-D 40 / DX-D 45 Detector – Service Manual.

## 4 Verification

For the Sedecal Softconsole 5.5 SU1:

Check if the correct build number (SC 5.5.015) for SoftConsole version 5.5 SU1 is displayed in: **Start > Control Panel > Programs > Add or Remove Programs**

## 5 Keywords

DX-D 40C/G, DX-D 45C/G, LED Status Indicator; Inclinator;  
Sedecal Softconsole 5.5 SU1, build 5.5.015

## 6 Version history

| Version | Change                                    | Date    |
|---------|---|---------|
| 1.0     | Initial version                           | 10-2015 |
| 1.1     | Updated information about Bluetooth Stick | 12-2015 |



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