

## Service Bulletin

### Generator firmware ATP Console updated and fixation of the skid plate guard improved

#### 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: PRB0065180, PRB2000006
	<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:

65365640 \*

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

Purpose of this document:

- This document announces the release of Generator firmware ATP Console V7R1b94.
- The fixation of the skid plate guard has been improved in production (no field upgrade).

Affected sites:

Generator firmware ATP console update has to be done for all DX-D 100 and DX-D 100 Wireless where a problem with the automatic shutdown functionality occurs.

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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## 1 Introduction/purpose

### 1.1 PRB0065180: Battery tray damaged by screw (for systems with fix and telescopic column)

*Symptom* A damaged battery tray and metal fragments inside the unit have been found. This poses a safety risk, because a short circuit might be caused by the metal fragments inside the unit.

*Cause* For mobile systems with fix and telescopic column the skid plate guard is fixed to the frame by screws. If one of the screws has to be replaced because it is lost or damaged, the Field Service Engineer has to use the right screw length.  
If it is too short, the skid plate guard can't be fixed properly. If it is too long, the battery tray will be damaged.

*Solution* The current fixation of the skid plate guard to the frame will be changed from screw to nut ex-factory (no field upgrades are foreseen).  
A threaded rod with specific Loctite glue and a nut with washers will be used. The skid plate guard will also be modified by changing the hole drilled to open slots.  
For systems in the field the Field Service Engineer has to pay attention that a new screw has exactly the right length (M6x10) in case of replacement.

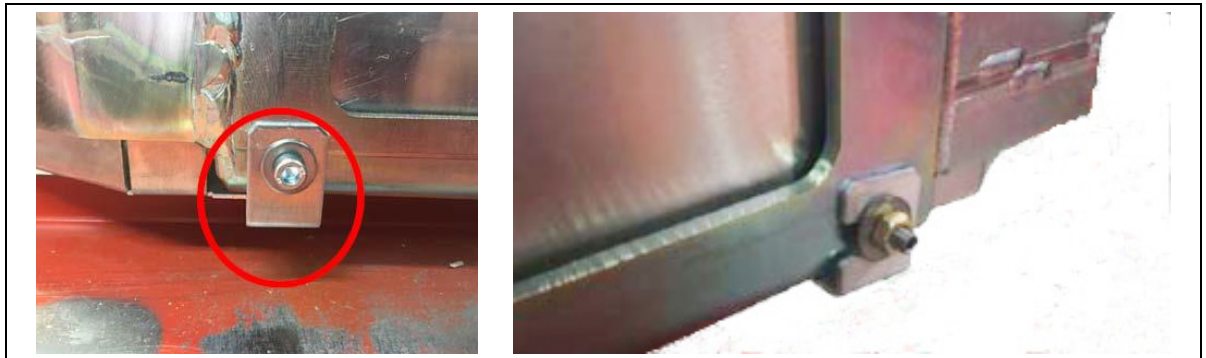


Figure 1: Previous design (left) and new design (right)

**1.2 PRB2000006: Automatic system shutdown does not work**

*Symptom* Batteries discharge quicker than usual.

*Cause* When not connected to mains the automatic shutdown after 30 minutes of inactivity didn't work for some systems. The systems remained active.  
The problem was caused by a communication problem of the automatic shutdown functionality.

*Solution* Solved with an update of the Generator firmware ATP Console to V7R1b94.  
Update all DX-D 100 and DX-D 100 Wireless where a problem with the automatic shutdown functionality occurs.

## 2 Prerequisites



### SPARE PARTS:

Spare Parts for ATP Generator firmware V7R1b94

- SC+A521071-07 SOFT KIT U5/U24 20 KW MOBILE AGFA W.DAP
- SC+A521071-17 SOFT KIT U5/U24 20KW MO AGFA W.DAP 125KV
- SC+A521072-07 SOFT KIT U5/U24 32 KW MOBILE AGFA W.DAP
- SC+A521073-07 SOFT KIT U5/U24 40 KW MOBILE AGFA W.DAP
- SC+A521074-07 SOFT KIT U5/U24 50 KW MOBILE AGFA W.DAP
- SC+A521075-07 SOFTKIT 20 KW U5/U24 MOBILE AGFA W/O DAP
- SC+A521075-17 SOFTKIT 20KW U5/U24 MOB. W/O DAP 125KV
- SC+A521076-07 SOFTKIT 32 KW U5/U24 MOBILE AGFA W/O DAP
- SC+A521077-07 SOFTKIT 40 KW U5/U24 MOBILE AGFA W/O DAP
- SC+A521078-07 SOFTKIT 50 KW U5/U24 MOBILE AGFA W/O DAP



### TOOLS:

- Standard service tool kit



### REFERENCED DOCUMENTS:

- Mobile X-Ray Unit Service Manual, Document ID [41600560](#)



### 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

#### 3.1.1 Installation of ATP Generator firmware V7R1b94



REQUIRED TIME:  
60 minutes



**IMPORTANT:**

It is required to back up configuration data prior to the exchange of the EPROM because existing configurations may be lost after the update.

- (1) Turn off the system.
- (2) Stop NX workstation completely.

**Enable Service Mode**

- (3) Open the pencil tray and remove the two screws that fasten the console frame to the unit.
- (4) Push the console frame towards the column.  
Do not lift up the console frame until its upper side is fully released.



Figure 2

- (5) Remove the three lateral screws placed on the front cover, at the right side underneath the console frame, in order to facilitate an access between the console and the cover.



Figure 3

- (6) Set Switch SW7 “Calibration ON/OFF” in “ON” position to enable Service Mode.

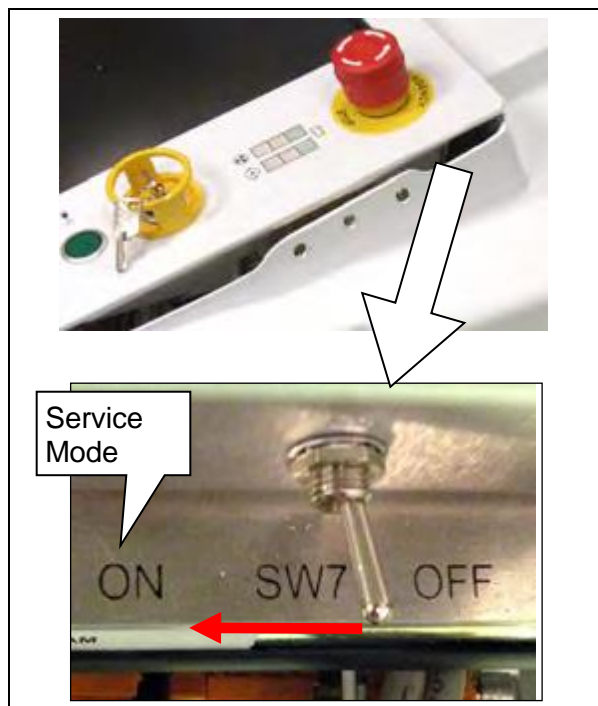


Figure 4

**Note down configuration data**

- (7) Switch on the generator.
- (8) On the NX Workstation: Stop the NX application.  
Go to: **Start > Agfa > NX > Stop NX.**
- (9) Start the TechServ Software in the **Sedecal Generator Service Application** window.
- (10) Click **Configuration**.
- (11) Note down the configuration for all workstations WS1 – WS8.

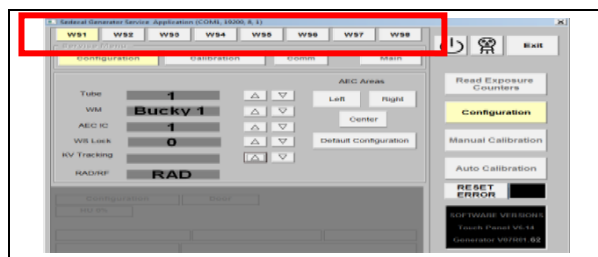


Figure 5

- (12) Click **Exit** to leave the configuration menu.

- (13) Click **Manual Calibration**
- (14) Select WS1 and click **OK**
- (15) Use the arrow buttons to increase or decrease the mA value. Observe when the **Focus** field changes from LARGE to SMALL or vice versa.
- (16) Record the lowest mA version for the LARGE focus so the mA just before the focus switches to SMALL.

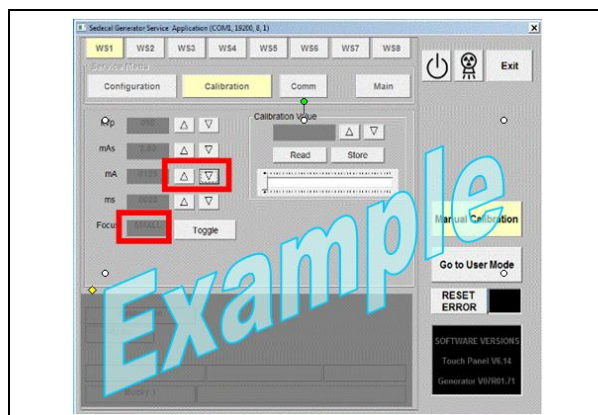


Figure 6

- (17) Click **Exit** to leave the calibration menu.
- (18) Repeat step 12 to 16 for each configured WS.
- (19) Switch off the generator.

### 3.1.2 Replacement of U24 EPROM to upgrade the generator software

- (1) Remove the front cover.
- (2) Open the generator module front door by removing the two Allen screws. The ATP console CPU board is placed at the generator module front door.
- (3) Remove the U24 EPROM on the ATP Console CPU with a chip extractor.
- (4) Mount the new U24 EPROM with software version V7R1b94.

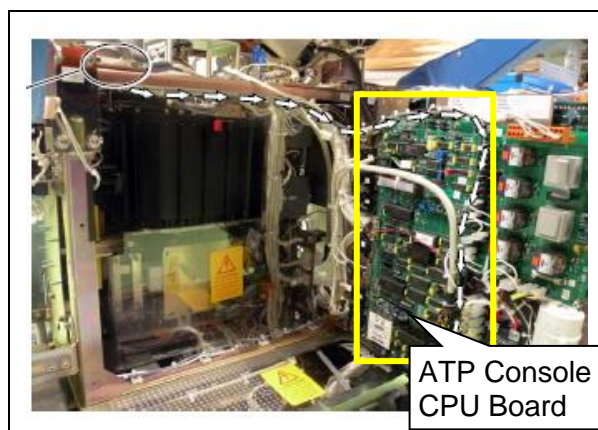


Figure 7



#### NOTE:

For more instruction refer to Mobile X-Ray Unit Service Manual, Document ID [41600560](#), Troubleshooting, Section 2.11 "Replacement of Memory in ATP console CPU Board and/or HT Controller board".



### 3.2 Verification of software update

- (1) Switch on the generator.
- (2) On the NX PC start **TechServ**.  
The Generator Service Mode window opens.
- (3) If error messages appear, click **RESET ERROR**.
- (4) Check if Generator V7R1b94 (or higher) is installed.

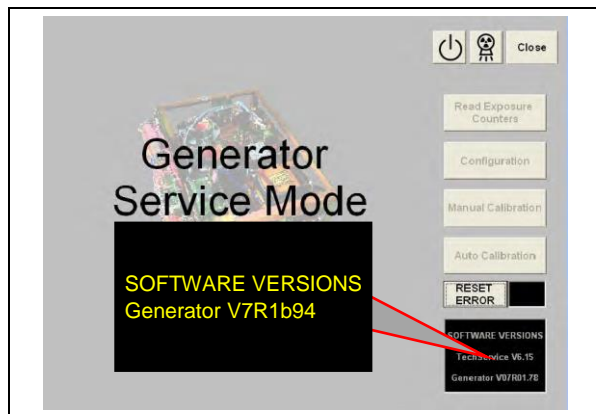


Figure 8

### 3.3 Configuration of the workstations

- (1) Configure the workstations with the configuration data noted down (see section 3.1.1, step "Note down configuration data").
- (2) Click **Exit** to leave the configuration menu.

Re-configuration of the system is only required in case of issues.

- (3) Switch off the generator.
- (4) Set the switch SW7 in "OFF" position to enable Application Mode.
- (5) Close generator module front door and fasten the two Allen screws.
- (6) Mount the front cover.
- (7) Remount the console frame (see Figure 3 and Figure 2).



Figure 9

## 4 Verification

Not applicable.

## 5 Keywords

Generator firmware ATP Console, V7R1b94, Skid plate guards, DX-D 100, DX-D 100 Wireless

## 6 Version history

Version	Change	Date
1.0	Initial Version	07-2018



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### This document was approved by:

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1. Josef Wagner (agwj) on 2018-07-19 08:55 AM CET
2. Paul Merckx (amdag) on 2018-07-18 05:40 PM CET
3. Bernard Schollaert (ammrn) on 2018-07-24 09:18 AM CET
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