

DR 100e	Type 6012	No. 07
DR 400	Type 5520	No. 67
DR 600	Type 5530	No. 88
DR 800	Type 6010	No. 06
DR Retrofit	Type 5400	No. 69
DX-D 100	Type 5410	No. 103
DX-D 100 Wireless	Type 5411	No. 119
DX-D 300	Type 8207	No. 107
DX-D 400	Type 5420	No. 77
DX-D 600	Type 5430	No. 121

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Service Bulletin

Service Quality Test Tool version 1.2.07 available

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: PRB2000002
	<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:

62937862

*

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

Purpose of this document:

This document announces the release of Service Quality Test (SQT) Tool V 1.2.07.

Affected sites: The Service Quality Test Tool is used for all DR systems listed on the front page of this document.

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: 10-2018 DR 100e, DR 400, DR 600, DR 800, DX-D 100 Wireless, DX-D 100

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DX-D 300, DX-D 400, DX-D 600, DR Retrofit

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1 Introduction

Version 1.2.07 of the Service Quality Test Tool is available for download.
It replaces the previous version 1.1.1.

**NOTE:**

For more information to the SQT Tool see also DR 600 SB 11, Service ATPs replaced by unified Service Quality Test Tool, Document ID [54799858](#).

1.1 New features of SQT Tool V 1.2.07 compared to V 1.1.1

- Support of DR 10e (Detector DR 10e is planned to be introduced in Q4-2018).
- Support of DR 800. This means, the SQT 1.2.07 replaces the previous SQT for DR 800, Document ID 61405889.
- Added several mechanical alignment tests during preventive maintenance, depending on the system.
- The SQT database for site data, system data and reason for test is Microsoft Access based now. Before the SQT was completely Microsoft Excel based.
- In the SQT report, the following cells are editable now:
 - All cells in section "Client and Test Tool Data"
 - All free text comment cells
- Added field for (manual) FSE signature to SQT report.

1.2 Solved problem records

1.2.1 AEC cut-off dose test for some systems failed sometimes [PRB2000002]

Symptom Sometimes the AEC test for Table and Wallstand failed at DX-D 300*, DX-D 400 and DX-D 600, despite the AEC cut-off dose was setup properly.

Cause Wrong attenuation factors used for calculation of cut-off dose when measuring the dose on the Table or the Wallstand bucky.

Workaround None.

Solution The attenuation factors for Table and Wallstand at DX-D 300*, DX-D 400 and DX-D 600 are corrected in SQT 1.2.07.

*DX-D 300 does not have a Wallstand in the system.

1.3 Minor software issues, solved in SQT 1.2.07

- Removed tests 3.5. and 3.10 for DX-D 300 / 400 / 600 systems. In SQT < 1.2.07 they were unnecessarily indicated to be done in some cases and always failed.
- SQT < 1.2.07 did not run on Windows 7, 32 bit without workaround.
- SQT < 1.2.07 showed an incorrect list for drop-down items for DAP-selection.
- For a mix of DR 14e and DR 17e in SQT v1.1.1 the test setup for tests 5.4.1 and 5.10 was not correct for DR 14e for a 17x17" bucky (DR 14e cannot be inserted in 17" bucky).
- Test title and modality position for some tests at DX-D 100 were wrong if both 'Installation' and 'add detector' was selected as "Reason for test".
- Several minor improvements, for example in wording.

1.4 Restrictions

- Site and system databases that were created with SQT < 1.2.07 are not compatible with SQT 1.2.07. The site and system data have to be entered again.

2 Prerequisites



SOFTWARE:

- Excel 2013 or 2016
- Microsoft Access 2013 Runtime (approx. 300 MB), to be downloaded from <https://www.microsoft.com/en-us/download/details.aspx?id=39358>



NOTE:

SQT 1.2.07 also runs with Microsoft Access 2013 or 2016, instead of the Microsoft Access 2013 Runtime. As the tool has been tested with the Microsoft Access 2013 Runtime only, it is strongly recommended to install it in any case.



TOOLS:

Service Quality Test Tool V 1.2.07 ZIP File (approx. 10 MB), Document ID [55022710](#), comprising:

- Service Quality Test Tool V 1.2.07 (self extracting) incl. test instructions* (Online help)
- Readme 1st PDF document incl. troubleshooting

* SQT instructions are also available separately with document ID [54513844](#).

3 Instructions

**REQUIRED TIME:**

- 5 Minutes download
- 5 Minutes verification

- (1) Download the SQT Tool V 1.2.07 and the Microsoft Access 2013 Runtime.
- (2) Unzip the SQT ZIP file and follow the instructions in the “Readme 1st” PDF document.

4 Verification

Test the startup of the SQT Test Manager once, before going on site, to verify a proper Microsoft Office installation. Follow the instructions in the “Readme 1st” PDF document.

5 Keywords

SQT, ATP

6 Version history

Version	Change	Date
1.0	Initial Version	10-2018



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