

Service Bulletin

Updated IEC 62353 safety test document available

Task

Timing		Category	Scope
Next service as agreed with customer	<input type="radio"/>	Apply at all sites	Problem Record: PRB0054996
	<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:

DD+DIS134.17E

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

Purpose of this document:

This document announces the availability of updated IEC 62353 safety test documents for DX-D 600, DX-D 100 and DX-D 100 Wireless.

Affected serial number(s) / batch:

The updated IEC 62353 safety test documents are applicable for all DX-D 600, DX-D 100 and DX-D 100 Wireless systems.

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.

1 Introduction

Frequent failures of protective earth resistance measurements were reported when performing the IEC 62353 safety test based on the following documents:

- DX-D 100 / DX-D 100 Wireless - IEC 62353 safety test document 42283613 Rev. 1.1
- DX-D 600 - IEC 62353 safety test document 35475878 Rev. 1.2

In detail the following symptoms were reported:

Symptom 1 DX-D 100 / DX-D 100 Wireless: The protective earth resistance measurement frequently fails at "Test point 2 – Upper parking detent". This mainly happens at system with telescopic column. The measured resistance exceeds the allowed 0,3 Ohm.

Symptom 2 DX-D 600: The protective earth resistance measurement frequently fails at "Test point 9 - Bucky handle with bucky carriage completely inserted". The measured resistance exceeds the allowed 0,3 Ohm.

Cause Test points are suited for measurements in production, but not for reliable measurements in the field with test equipment using low current. In the field typically 200 mA are used for the protective earth resistance measurement. In production the test is performed with 25 A.

Solution The two affected test points have been replaced by two equivalent test points that are suited for reliable testing in the field.

The updated safety test documents have been published in September 2017:

- DX-D 100 IEC 62353:2007 Test Documentation rev. ≥ 1.2, Document ID [42283613](#)
- DX-D 600 IEC 62353:2007 Test Documentation rev. ≥ 1.3, Document ID [35475878](#)

Note, that the updated documents are published as PDF forms.

They can be

- printed and filled in manually or
- filled in and signed on the PC in the PDF reader (Reader ≥ V8 required for signature feature).

2 Keywords

IEC62353, safety test

3 Version history

Version	Change	Date
1.0	Initial version	09-2017



Details as of PDF Creation Date

Document Metadata

Title:	DX-D 600 - Service Bulletin No. 113 - Updated safety test document available
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This document was approved by:

Signatures:

1. Paul Merckx (amdag) on 2017-10-02 09:17 AM CET
2. Bart Biesemans (amajm) on 2017-09-27 02:37 PM CET
3. Manfred R  sner (siroe) on 2017-09-28 10:36 AM CET
4. Lieven Lauwers (awibr) on 2017-10-11 10:54 AM CET

Detailed Approver History:

- **Approval Workflow started on 2017-09-27 01:50 PM CET**
 - Approval task originally assigned to and completed by Paul Merckx (amdag) on 2017-10-02 09:17 AM CET
 - Approval task originally assigned to and completed by Bart Biesemans (amajm) on 2017-09-27 02:37 PM CET
 - Approval task originally assigned to Josef Wagner (agwj)
 - Approval task completed by Manfred R  sner (siroe) on 2017-09-28 10:36 AM CET
 - Approval task originally assigned to and completed by Lieven Lauwers (awibr) on 2017-10-11 10:54 AM CET

Version & Status History

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Version#	Date Created	Status
6	2017-09-27 01:46 PM CET	Approved - 2017-11-08
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4	2017-09-27 06:25 AM CET	Reviewed - 2017-09-27
3	2017-09-27 06:24 AM CET	
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