

FastTest 18th Edition

SOFTWARE

This document contains summary information on new features, late-breaking product information, updates, and troubleshooting tips not covered in the Trimble® FastTest documentation.

Introduction

These release notes describe the features and enhancements that are new in version 2018.0.0.799 of the FastTest, for the following components only:

- FastTest Desktop Software

For further support information, go to <http://mep.trimble.co.uk/support>.

New features and changes

The improvements that have been made to the FastTest 18th edition software are summarised in the following table.

Upgrade procedure

Updates will be made available and automatically downloaded via the members login area.

Version: 2018.0.0.799

Date: 2018

Month: October

Summary of features and changes

New features details

Minor Electrical Installation Works Certificate:

The Minor works certificate has changed from a previously 4 part certificate in 17th Edition A3 to a 5 part certificate for 18th Edition.

The removal of RCD Operating time at $5xI_n$ from test results has been introduced for the 18th Edition

Part 1: Description of minor works

Part 2: Presence and adequacy of installation earthing and bonding arrangements
(Regulation 132.16)

Part 3: Circuit details

Part 4: Test results for the circuit altered or extended (where relevant and practicable)

Part 5: Declaration

There is also the addition of the AFDD (Arc fault detection devices) added to the certificate.

AFDD has been added to the test results section (part 4).

This is for a manual test satisfactory (YES/NA)

Electrical Installation Certificate

The EIC certificate has gone through some updates that will bring it in line to the 18th Edition. Details list below are a page by page changes that have been address to the EIC.

Page 1

July 2018 date on declaration

Details of departures from BS 7671 as amended (Regulations 120.3, 133.1.3 and 133.5)

This would be for Design, Construction, Inspection and Testing

Page 2:

Particular of installation at origin.

Split continuity/connection verified now two boxes with each being a selection choice



Continuity verified (v)

Connection verified (v)

Main protective bonding.

Split continuity/connection verified now two boxes with each being a selection



Continuity verified (v)

Connection verified (v)

Method of measurement.

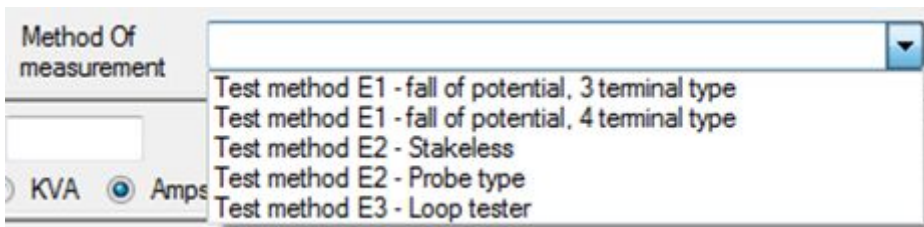
Test method E1 - fall of potential, 3 terminal type

Test method E1 - fall of potential, 4 terminal type

Test method E2 - Stakeless

Test method E2 - Probe type

Test method E3 - Loop tester



Method Of measurement

Test method E1 - fall of potential, 3 terminal type

Test method E1 - fall of potential, 4 terminal type

Test method E2 - Stakeless

Test method E2 - Probe type

Test method E3 - Loop tester

KVA Amps

Test Results Page:

Supplementary conductors' option check box YES/NO

If the data check warning appears then the supplementary conductors' box is active the box is not active at other times.

If this is not selected then the validation fails the certificate.

Insulation resistance test voltage

column added this will be a box for 250 or 500 in the drop down also with free text entry for 5 characters with F5 flood fill option

The removal of RCD Operating time at $5xI_n \Delta n$ from test results has been introduced for the 18th Edition.

Boards:

Circuit Details - (AFDD) Arc Flash Detection Device option

After selecting the BS(EN) type there is a AFDD radio button.

If press this will remove the ZS value and allow for a manual entry

If the AFDD unticked the ZS values for the fuse type will be added according to the rating and disconnection times.

CIRCUIT DETAILS													
Circuit number and line	Circuit Designation	Type of wiring (see code below)	Reference method	Number of points served	Circuit conductors: CSA			Overcurrent protective device	RCD	Maximum Zs per BS7671			
					Live mm2	CPC mm2	Max disconnection time permitted by BS7671 (s)				BS(EN)	AFDD	Type
1/TP	Test Way	A	A	1	1.5	1.5	5	60898 MCB	<input checked="" type="checkbox"/>	B	16	10	
2/TP	SPARE								<input type="checkbox"/>				
3/TP	SPARE								<input type="checkbox"/>				
4/TP	SPARE								<input type="checkbox"/>				
5/TP	SPARE								<input type="checkbox"/>				
6/TP	SPARE								<input type="checkbox"/>				
7/TP	SPARE								<input type="checkbox"/>				
8/TP	SPARE								<input type="checkbox"/>				

Electrical Installation Condition Report

The EICR certificate has gone through some updates that will bring it in line to the 18th Edition. Details list below are a page by page changes that have been address to the EICR.

Page 1:

Section D

Agreed limitations current regulation number is 634.2 changes to 653.2

Page 2:

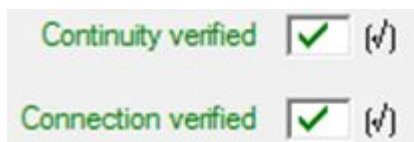
Particular of installation at origin.

Split continuity/connection verified now two boxes with each being a selection Choice



Main protective bonding.

Split continuity/connection verified now two boxes with each being a selection



Test Results Page:

Supplementary conductors' option check box YES/NO

If the data check warning appears then the supplementary conductors' box is active the box is not active at other times.

If this is not selected then the validation fails the certificate.

Insulation resistance test voltage

column added this will be a box for 250 or 500 in the drop down also with free text entry for 5 characters with F5 flood fill option

The removal of RCD Operating time at $5 \times I_n \Delta n$ from test results has been introduced for the 18th Edition.

Domestic Electrical Installation

The DOM-EIC certificate has gone through some updates that will bring it in line to the 18th Edition. Details list below are a page by page changes that have been address to the EICR.

The removal of RCD Operating time at $5 \times I_n$ Δn from test results has been introduced for the 18th Edition

Page 1

Design, Construction, Inspection and testing

The date has changed to reflect the 18th Edition

Details of departures from BS7671 as amended (Regulations 120.3, 133.5)

Page 2:

Particulars of installation at origin

Earthing Conductor, Main protective bonding conductor Split continuity/connection verified now two boxes with each being a selection

The screenshot shows two side-by-side form panels. The left panel is titled 'Earthing conductor' and contains fields for 'Conductor material' (a dropdown menu), 'Conductor csa' (a dropdown menu followed by 'mm²'), and two checkboxes: 'Continuity verified' and 'Connection verified', each with a '(√)' symbol. The right panel is titled 'Main protective bonding conductors' and contains fields for 'Conductor material' (a dropdown menu), 'Conductor csa' (a dropdown menu followed by 'mm²'), and two checkboxes: 'Continuity verified' and 'Connection verified', each with a '(√)' symbol. Below these is a text input field labeled 'Location (where not obvious):'.

Method Of Measurement

Test method E1 - fall of potential, 3 terminal type

Test method E1 - fall of potential, 4 terminal type

Test method E2 - Stakeless

Test method E2 - Probe type

Test method E3 - Loop tester

The screenshot shows a dropdown menu titled 'Method Of measurement'. The menu is open, displaying five options: 'Test method E1 - fall of potential, 3 terminal type', 'Test method E1 - fall of potential, 4 terminal type', 'Test method E2 - Stakeless', 'Test method E2 - Probe type', and 'Test method E3 - Loop tester'. Below the dropdown, there are two radio buttons: 'KVA' and 'Amps', with 'Amps' selected.

Boards

Circuit Details - (AFDD) Arc Flash Detection Device option.

After selecting the BS(EN) type there is a AFDD radio button.

If pressed this will remove the ZS value and allow for a manual entry only

If the AFDD is unticked then ZS values for the fuse type will be added according to the rating and disconnection times.

Test Results Page:

Supplementary conductors' option check box YES/NO

If the data check warning appears then the supplementary conductors' box is active the box is not active at other times.

If this is not selected then the validation fails the certificate.

Insulation resistance test voltage

column added this will be a box for 250 or 500 in the drop down also with free text entry for 5 characters with F5 flood fill option

The removal of RCD Operating time at $5xI_n \Delta n$ from test results has been introduced for the 18th Edition.

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