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	G3 FIELD TEST GUIDE	Author:	Kevin Weiss	Rev.	1A	ECO#	0162
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Field Test Procedure for G3







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1 TOOLS/EQUIPMENT

Tool List		
Tool:	Picture:	PN#
CAT5 Ethernet cable		
Fiber identification test JIG (only for stimulus check)		10112-FIBER-ID-JIG
Laptop computer		
Log downloading software (only for set point info)		60037-sw-g3-log
G3 Field Test Template		50100-1A-G3-FIELD-TEST-REPORT-TEMPLATE

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2 G3 FIELD TEST REPORT GENERATION

2.1 INITIAL INFORMATION

Open 50100-1A-G3-FIELD-TEST-REPORT-TEMPLATE. On the front page fill out all required information. Use the notes for any information about the system such as where the cells are going to, where in the cell is the G3 located, designator of that G3 (in case there are multiple G3 in one cell), etc.

2.2 CHANNEL LOCATIONS

2.2.1 Filling out the Location Column

Match the channel numbers on the G3 with the label on the fiber lines that the channels are connected to. This will help if the labels fall off or become obstructed.

2.2.2 Performing Stimulus Check

If possible, test that the channels match the location (in case the fibers are mislabeled). This is done by bending the fiber using 10112-FIBER –ID-JIG. Upon being bent or un-bent the fibers BriteSpot Channel will indicate **RED for approximately 60s** due to the change in attenuation. Make notes if any labels had to be corrected.



2.3 DEVICE OVERVIEW


To generate the information needed for the device overview information just log on to the internal website using the CAT5 cable and laptop (see 50079-G3-Quickstart-Guide.pdf or 01.4IB.48040 for how to set up). Copy and paste the Device Overview information from the Device Overview tab. Add any notes such as changed IP address and if the time is out of sync.

2.4 BRITESPOT CHANNEL PERFORMANCE

Go to the User Registers tab on the internal website. Copy and paste the User Register table.

2.5 PICTURES (OPTIONAL)

Take pictures of the G3 in the installation. Try to get all LED indicators for each channel in the shot. Also try to get the whole cell and where the G3 is relative to it as well as the mountings of the fibers.


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3 FINDING SET POINTS (OPTIONAL)

If the G3 has been logging ambient data in order to derive a set point, the following will describe how to gather information from the G3.

DO NOT CLICK ERASE

3.1 START LOG SOFTWARE

Double click on the  60037-sw-g3-log-rev10000.exe . (Download the software at www.powellbrite.com)




3.2 ENTER IP ADDRESS


If the G3 IP address is changed from default you will have to enter the new IP in the box.

3.3 GET THE LOG CSV

Click get log and save the CSV to a location.

3.4 OPEN THE 50102-1A-G3-TEMPERATURE-INFO-TEMPLATE

Double click the  50102-1A-G3-TEMPERATURE-INFO-TEMPLATE.XLSX

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3.5 IMPORT THE DOWNLOADED LOG CSV

Under the Refresh Data Below cell (A50) right click and select Refresh. Select the Imported data.

Refresh Data Below																								
Product Name	BSG3-9S																							
Serial Number	300020																							
Time:	13/03/2015 9:05																							
IP Address:	192.168.1.50																							
Tick	Min	Hour	Day	Month	Year	TempC1	TempC2	TempC3	TempC4	TempC5	TempC6	TempC7	TempC8	TempC9	TempC10	TempC11	TempC12	TempC13	TempC14					

3.6 USE THE CALCULATED DATA

At the top right will be the min, average and max temperatures. Use that information to determine the set point for the G3. Refer to 01.4IB.48040 how to change the setpoints.

	A	B	C	D
1		Max Temperature	Average	Min
2	Total	311	84.3	-40
3				
4	Ch1	309	85.8	-5
5	Ch2	311	85.5	-5
6	Ch3	311	86.7	-5
7	Ch4	233	85.6	-5
8	Ch5	231	85.4	-27
9	Ch6	230	86	-7
10	Ch7	233	82.7	-20
11	Ch8	233	69.4	-36
12	Ch9	231	85.6	-5
13	Ch10	269	84	-7
14	Ch11	271	86.3	-34
15	Ch12	275	83.1	-7
16	Ch13	271	86.5	-7
17	Ch14	271	86.9	-40
18	Ch15	273	86.4	-5
19	Ch16	230	83.3	-5
20	Ch17	230	84.4	-11
21	Ch18	231	83.5	-5
22				