Common Solution v3.6.1 Release Note

10 SEPT 2021

iTest Support for WIL v1.0

iTest now supports communication with BRFM firmware version 1.0

Major performance improvements were included

- BRFM v0.112 support will co-exist with BRFM 1.0

To use WIL v1.0, make sure the following configurations are set correctly on green hardware config dialog:

- CMU type is set to **BRFM**
- BDSB is set to **BRFM BDSB** for pack setup, or **Not Specified** for module setup

iTest can now communicate with BRFM v1.0 in addition to BRFM v0.112

general motors

BRFM Version Selection

BRFM communication now has 2 versions to support different hardware

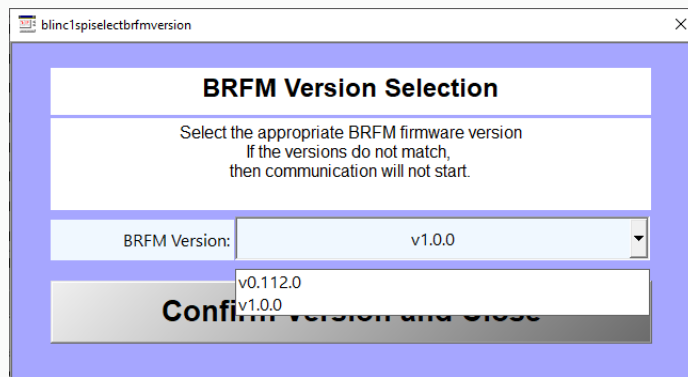V1.0 supports TO3 hardware while v0.112 supports TO2 and older hardware

New version selection dialog will be shown every time BRFM comm is started

Operator to confirm that the selected version matches with the firmware version of target BRFM device

Communication will FAIL if mismatching version is selected

V1.0 is a direct replacement of v0.310

BRFM and modules that are on v0.310 will need to be flashed to v1.0 in order to use iTest

Correct BRFM version is required in order to establish communication.

Module Addresses Update

ACL confirmation dialog now offers option to update the MAC addresses

No longer needed to use manual comm button to update ACL

Hit Update ACL button after all correct addresses have been entered

It expects 16 characters for each MAC address and the number of addresses entered has to match number of module count

Module 1 to 12

Module 13 to 24

Module MAC addresses can now be updated directly on confirmation page.

Module Voltages from BRFM

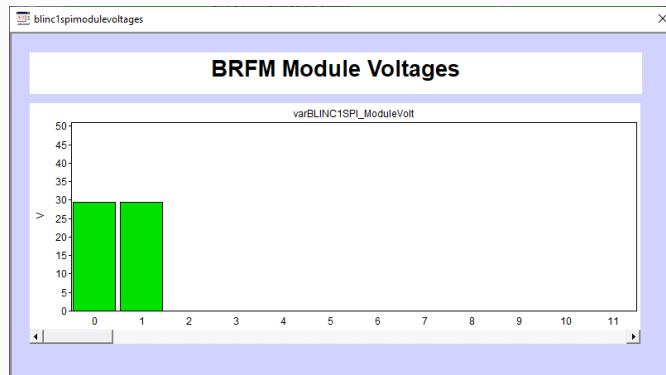**Each module calculates its own sum of cell voltages**

This info is reported back to iTest along with cell voltages and thermistor temperatures

iTest channel for the module voltages is varBLINC1SPI_ModuleVolt[x]

Where x is zero-based index for the module order
E.g. the zero-based index module #5 is 4

Module voltage dialog can be launched on display as well

Module voltage info from BRFM is now being logged in iTest MainTrans log file.