TECHNICAL BULLETIN

BBTB Date:	**05 April 2022**
BBTB Number:	**BBTB-078**
BBTB Title:	**BV3AIMx & BV3AOM8 Firmware Update**
System Description:	**VIGIL3 VA Systems**
Product(s) Affected:	**BV3AIMx and BV3AOM8**
Reference:	**ECR4501, 4557, 4563, 4571**
Priority:	**2**

1 - Essential: Action is Recommended

2 - Important: Product Form / Fit / Function has been changed (may affect compatibility)

3 - General: For information / reference

4 - Obsolescence: Notification of Component or Product Obsolescence

DESCRIPTION OF THE PROBLEM

Baldwin Boxall has identified and fixed various bugs within the BV3AIMx and BV3AOM8.

RESOLUTION

This is a cumulative Technical Bulletin to capture the following firmware releases:

Reference	Product	Firmware Version	Release notes
ECR4501	BV3AIMx	BV3AIMx-CTL_REV-3161	Project related bugfix release
	BV3AOM8	BV3AOM8-PER_REV-3163	Project related bugfix release
ECR4557	BV3AOM8	BV3AOM8-PER_REV-3176	Add "Disable Earth Leakage" functionality for ACOs on line-by-line basis
	Configurator	SVN revision 3191	Add corresponding "Disable Earth Leakage" option to Configurator
ECR4563	BV3AIMx	BV3AIMx-CTL_REV-3172	Project related bugfix release
ECR4571	BV3AIMx	BV3AIMx-CTL_REV-3192	Project related bugfix release
	BV3AOM8	BV3AOM8-PER_REV-3208	Bugfix release.

> *Note:*
>
> *BV3AOM8-PER_REV-3208 fixes file propagation issues on networked systems when replacing or adding a BV3AOM8 (or blank SD card) to an existing system.*
>
> *Refer to "Further Details" for further details and workaround for earlier releases.*

FURTHER DETAILS (REPLACEMENT BV3AOM8 OR SD CARD)

For firmware versions prior to BV3AOM8-PER_REV-3208 (March 2022):

Issue: Upload of identical config to a blank SD card connected to a Vigil 3 network causes that module to try and distribute config that is already present on other BV3AOM8s causing incorrect operation and ConfigCRC faults to be raised.
If this happens all SD cards must be re-written.

There are three possible workarounds to prevent this issue from occurring:

- Remove SD card from failed unit and install in new unit (assuming fault is not caused by the SD card)

- Download site config from a working unit then either

  - Write SD card for replacement unit manually using the Configurator
  - Upload the site config to the new unit before the new unit is connected to the network

- Copy SD card from working unit

SUGGESTED ACTION

Please note site wide firmware must match (i.e. all BV3AIMx and BV3AOM8 units on a given site must run matching firmware). If a replacement unit is supplied or an expansion is performed on an existing site then please ensure the firmware on the new module matches firmware on any existing units.

Baldwin Boxall does not recommend attempting to update existing installations with these versions. The releases detailed in this Technical Bulletin are bugfixes related to specific configurations and are not feature releases.
Existing sites will already have bespoke configuration and all relevant features and functions will have been tested to ensure correct operation.

Customer Services Contact Details

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