

Technical Bulletin

TB 0349B - Restrictions on Mains extension or new services from BESS nodes (updated with material numbers)

Date: 13/05/2024

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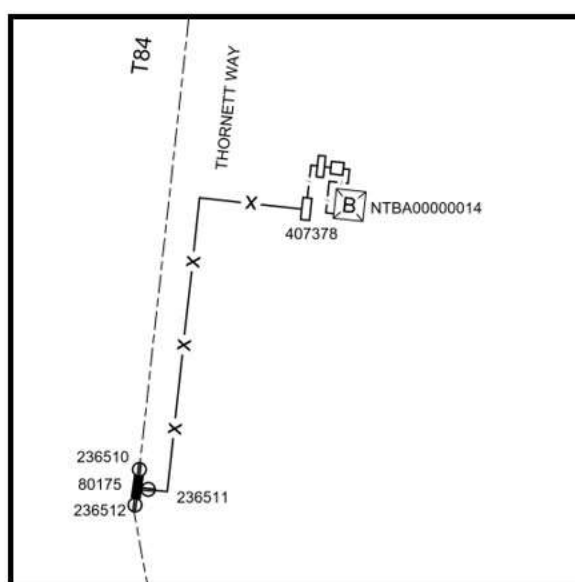
Purpose

This Technical Bulletin serves to inform both our internal staff and Authorized Service Providers (ASPs) that any new mains extensions or services are no longer permissible from the service mains that supply the Battery Energy Storage Systems (BESS) units.

Background

Overhead BESS Units: The current designs utilize a 95mm² AL LVABC dedicated service mains cable. While our goal is to place BESS units on dedicated poles, there are some BESS units installed on existing poles that already house assets such as service cables and small streetlights. These, though, are powered by separate LV supplies.

Ground Mounted BESS units: The power supply to Ground Mounted BESS units is either from a single pillar switch or a three-way pillar switch.



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Actions

In instances where ASPs/EE staff are extending mains or introducing new service mains on a pole with an installed BESS unit, these additions must be supplied from independent LV supplies.

A similar principle should apply for Ground Mounted BESS units. If the BESS unit is supplied from a single switch pillar, then no services should be connected on the BESS side of the links. If the BESS unit is supplied from a 3-way switch, then no services should be connected to the BESS switches.

Furthermore, when installing BESS units, the project team must ensure that the correct label is installed on the pole or the pillar. The appropriate labels can be obtained from the store system.

<i>Label Type</i>	<i>Label</i>	<i>Material number</i>
<i>On poles</i>	NO mains extension or new service connections from the dedicated cable supplying the BESS unit	1000010211
<i>Single switch pillars</i>	NO services to be connected on the BESS side of the links	1000010250
<i>3-way switches</i>	No services to be connected on BESS switch	1000010212

Implementation

The contents of this technical bulletin will be implemented immediately for all mains extensions and service mains installations.

Impacted Standards

The contents of this technical bulletin will be included in the next update of MCI0005 – Overhead construction Manual.

Contacts

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