



ELECTRICAL EQUIPMENT SAFETY SYSTEM (EESS)

Re: Direct current (DC) isolators

We understand that your business or your clients may supply this type of equipment. This notice contains vital information that the regulatory requirements of DC isolators have changed and may result in the need for you to take further action.

From 30 June 2018, DC isolators were re-classified, moving from “In-Scope” electrical equipment risk level 1 to level 3 under the [Electrical Equipment Safety System \(EESS\)](#) in participating jurisdictions.

The following table shows the basic requirements that are applicable.

Product type	Prior 30 June 2018	From 30 June 2018
	In-Scope Level 1	In-Scope Level 3
<u>DC isolators</u>	<ul style="list-style-type: none">• The product is sold by a registered responsible supplier listed in EESS national database; and• The product is marked with the Regulatory Compliance Mark (RCM).	<ul style="list-style-type: none">• The product must have a valid Certificate of Conformity showing the product complies with the relevant Australian Standard AS 60947.3:2018; and• The brand and model/s must be registered to the responsible supplier in the EESS national database; and• be marked with the Regulatory Compliance Mark (RCM).

Note:

- Existing stock already in Australia prior 30th June 2018 is considered In-Scope level 1 and can continue being sold until 30th of June 2019 provided the responsible supplier is registered.
- New products manufactured in Australia or imported after the 30th June 2018, must comply with the requirements of In-Scope Level 3.
- After the 30th of June 2019 all products must comply with the requirements of In-Scope level 3

To further clarify these requirements, please find enclosed for your convenience a frequently asked questions (FAQ) notice which may be of assistance.

Should you require further information relating to the certification and registration process, please email your enquiry to EESSAdmin@oir.qld.gov.au.

Yours sincerely,

EESS Admin
Electrical Safety Office, Queensland



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FAQs on Direct current (DC) isolators

1. Does this apply to you?

If the DC isolators you sell fits within the definitions below, then you need to take action as outlined herein:

Regulatory definition

The standard *AS/NSZ 4417.2* defines *DC Isolator* under section B.2.63 as:

DC Isolator

An electrical device that—

- (a) is an air-break d.c. rated isolator; and
- (b) is for connection to the wiring of a household photovoltaic (PV) electrical installation, other household renewable energy installation, or household energy storage installation.;

and includes—

- (c) any dedicated individual enclosure where the dc isolator is classified as enclosed outdoor

Note 1 A 'dedicated individual enclosure' includes a single dc isolator in an enclosure or multiple dc isolators in a common enclosure, but does not include the enclosure where the dc isolator is to be installed integral within a power conditioning equipment (PCE) enclosure or is to be installed in an enclosure that complies with a relevant standard for assemblies for use in photovoltaic networks.

Class specification:

AS 60947.3:2018



2. Are you the Responsible Supplier of electrical equipment in Australia or New Zealand?

A responsible supplier in the Electrical Equipment Safety System (EESS) is an Australian or New Zealand importer or on-shore manufacturer of In-Scope electrical equipment.

If you are the importer or on-shore manufacturer of the In-Scope electrical equipment, you are required to ensure that the:-

Level 3 in-scope electrical equipment:

- is electrically safe and meets the [relevant standard](#); and
- is marked with the Regulatory Compliance Mark (RCM) in accordance with the requirements under *AS/NZS 4417.1*; and
- has a valid Australian or New Zealand issued [Certificate of Conformity](#); and
- you are registered in the national EESS database as a responsible supplier; and
- level 3 electrical equipment you are manufacturing or importing is registered and linked to you.



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Level 2 In-scope electrical equipment:

- is electrically safe and meets the [relevant standard](#); and
- is marked with the Regulatory Compliance Mark (RCM) in accordance with the requirements under AS/NZS 4417.1; and
- a [compliance folder](#) must be kept and made available, upon request, within 10 days; and
- you are registered in the national EESS database as a responsible supplier; and
- level 2 electrical equipment you are manufacturing or importing is registered and linked to you.

Level 1 In-scope electrical equipment:

- is electrically safe and meets the [relevant standard](#); and
- is marked with the Regulatory Compliance Mark (RCM) in accordance with the requirements under AS/NZS 4417.1; and
- documentary evidence, in English, must be kept to show that the item meets the relevant standard at the time the item was either manufactured or imported;¹ and
- you are registered in the national EESS database as a responsible supplier;
- you may optionally link type, model and brand of level 1 electrical equipment in the national EESS database.

For more information on how to register as responsible supplier and link products to you, please refer to the [EESS Applicant's Guide](#).

3. What is the RCM mark?



Regulatory Compliance Mark (RCM) to be used in accordance with the requirements under AS/NZS 4417.1

Responsible Suppliers are given a copy of AS/NZS 4417.1 when they register on the [National Database](#) as it includes the correct specification and proportions of the RCM.

4. Are you a wholesaler/retailer of electrical equipment?

If you are a wholesaler/retailer of In-Scope electrical equipment, but not the importer or on-shore manufacturer, the following applies:

- you must not sell the electrical equipment unless it is marked with the Regulatory Compliance Mark (RCM);² and
- you must verify with your supplier that the electrical equipment has been sourced from the registered responsible supplier of that equipment.

5. Need a valid Certificate of Conformity?

A [Certificate of Conformity](#) is issued by either a state electrical safety regulator or an independent certifier which is accredited under the Queensland Recognised External Certificate Scheme (RECS).³

Queensland RECS accredited certifiers are:

• Certification Body Australia (CBA)	• UL International New Zealand Limited
• EESS Conformity Certification Services	• SAA Approvals Pty Ltd
• Global-Mark Pty Ltd	

¹ This evidence must be kept by the responsible supplier for a period of five (5) years from the day the item is last manufactured or imported by the responsible supplier.

² If the electrical equipment is not marked with the RCM, the responsible supplier will need to have formal approval from the regulator to use an alternate mark.

³ Certificates issued under New South Wales, Fair Trading, Recognised External Approval Schemes (REAS) are recognised in Queensland for New South Wales declared articles only.



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6. Need help?

For further information in meeting the requirements of the Electrical Equipment Safety System, review the information under the EESS tab on the ERAC website – www.erac.gov.au or call the EESS information line on 1300 362 128.