



# AS/NZS 61439

A summary of key points and changes.

- Supersedes AS/NZS 3439 in 2021.
- There is a 5 year transitional period between AS/NZS 3439 and AS/NZS 61439, which started after the standard was introduced in May 2016. During this time, compliant boards can be built to either standard.
- AS/NZS 61439.1 specifies three methods for verification – verification by testing, design rules, or assessment. These replace TTA and PTTA from AS/NZS 3439.
- Comparison with reference design according to AS/NZS 61439.1 introduces device substitution rules. The rules compare thermal properties and performance with a similar tested device within a functional unit.

## How does AS/NZS 61439 affect your customers?

- The Assembly Manufacturer is the organisation taking responsibility for the completed assembly that is supplied to the user. Typically, the Assembly Manufacturer is the switchboard builder.
- The Assembly Manufacturer ensures compliance to the standard using the Original Manufacturer's (e.g. B&R Enclosures) verified design or, where deviating from this design, undertakes verification for compliance.
- As an Original Manufacturer, B&R hold a comprehensive library of LV testing accreditations for AS/NZS 3439.1 and AS/NZS 61439.2. B&R is continuously updating this library with new testing certifications.
- Using this library of type tests, B&R are able to offer a verified solution for compliance to the requirements of AS/NZS 61439.2.



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