



# ActivFire<sup>®</sup> Advisory Note AN-013

## Re-certification Power Supply Equipment (PSE) to AS 7240.4:2018

This advisory note provides an explanation and timeline for re-certification of PSE to AS 7240.4:2018 which have previously been certified to AS 7240.4:2004. This document includes important information regarding additional requirements for ongoing certification of PSE to AS 7240.4:2018 by CSIRO's Fire Systems Laboratory and ActivFire<sup>®</sup> Scheme.

### Background

The most recent revision of AS 7240.4 was published on 20 December 2018. In advance of the publication of NCC 2025 and anticipated revision of AS 1670.1, CSIRO has prepared this Advisory Note to detail the certification pathway to AS 7240.4:2018 for PSE that are currently ActivFire<sup>®</sup> certified to AS 7240.2:2004.

### Changes to AS 7240.4

The latest revision of AS 7240.4 incorporates changes to headings and various wording, changes to existing requirements, and the addition of new requirements. Table 1 below identifies the changes and additional requirements of AS 7240.4:2018 when compared with AS 7240.4:2004.

Table 1 Changes and additional requirements of AS 7240.4:2018

Clause		Heading	Note
AS 7240.4:2018	AS 7240.4:2004		
5.1	N/A	General	New heading with new requirements.
5.2	4.1	Compliance	Updated requirements for Clause 5.2.1, and new requirement of Clauses 5.2.2 and 5.2.3
5.3.1	4.2	General (Power Sources)	Updated requirements for Clause 5.3.1.3.
5.3.2	4.2 and 5.1	Main power source	New requirement of Clause 5.3.2.2
5.3.3	5.2	Standby power source	New requirement of Clause 5.3.3.1 and updated requirement for Clause 5.3.3.2.
5.4	5.3	Charger	New requirement of Clause 5.4.1 and updated requirement for Clause 5.4.2.

Clause		Heading	Note
AS 7240.4:2018	AS 7240.4:2004		
5.5	5.5.1	Faults	<ul style="list-style-type: none"> <li>New requirement of Clause 5.5.1, with updated requirements of Clauses 5.5.1(a) to 5.5.1(e), 5.5.2 and 5.5.3.</li> <li>Registrant of the PSE's will need to declare the methods to automatically monitor the battery as per Appendix ZZ of AS 7240.4:2018.</li> </ul>
5.8	N/A	Software	New requirement.
6.2	9.2	Functional tests	New requirement of Clauses 6.2.1, 6.2.3.1 and 6.2.4.1, with updated requirements in Table 1 of AS 7240.4:2018.
6.3	9.3	Charger and standby power source test	Updated requirement of Clause 6.3.1.1. Would not require re-testing if the nominal capacity in the previous evidence of conformity was measured at c/20.
6.4	N/A	High battery impedance test	New requirement.
6.5	9.4	Environmental tests	Updated requirements of Clauses 6.5.1 and 6.5.2. New requirements in Clauses 6.5.3 and 6.5.4.
6.5.4.2	9.5.2.4	Conditioning (Cold – operational)	Updated requirement with the lowest temperature being -5 °C instead of 0 °C, or other lower temperature as specified by the manufacturer.
6.10	9.10	Electromagnetic compatibility (EMC), Immunity tests (operational)	Updated reference standard to IEC 62599-2. Would not require re-testing if the previous evidence of conformity was to EN 50130-4:2011+A1:2014.
6.13	N/A	Dry heat (operational) - optional	New optional requirement.
9.1	N/A	General (Data)	New requirement.
9.2	N/A	Software documentation	New requirement.

## Requirements for certification to AS 7240.4:2018

Registrants seeking re-certification of existing PSE are required seek re-evaluation by an ActivFire® Recognised Agency for Conformity Evaluation (RACE) to AS 7240.4:2018 and submit related evidence of conformity. Registrants are required to ensure that any such evaluation adequately covers the changes and additional requirements of AS 7240.4:2018 as detailed above for re-certification purposes.

## Issuing Authorities

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