

ActivFire® Advisory Note AN-010

Re-certification of Fire Detection Control and Indicating Equipment (FDCIE) to AS 7240.2:2018

This advisory note provides an explanation and timeline for re-certification of FDCIE to AS 7240.2:2018 which have previously been certified to AS 7240.2:2004. This Advisory Note includes important information regarding additional requirements for ongoing certification of FDCIE to AS 7240.2:2018 by CSIRO's Fire Systems Laboratory and ActivFire® Scheme.

Background

The most recent revision of AS 7240.2 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 7240.2:2018 for FDCIE that are currently ActivFire® certified to AS 7240.2:2004.

Changes to AS 7240.2

The latest revision of AS 7240.2 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 7240.2:2018 when compared with AS 7240.2-2004.

Table 1 Changes and additional requirements of AS 7240.2:2018

Clause		Heading	Note
AS 7240.2:2018	AS 7240.2:2004		
4.2	N/A	Compliance	New requirement.
4.4.3	7.3	Indication of fire detection zones in alarm	Addition of Clause 4.4.3.2 d).
4.4.4	7.4	Audible indication	New requirement of Clause of 4.4.4.3, and updated requirement for Clauses 4.4.4.1 and 4.4.4.4.
4.4.5	7.5	Other indications during the fire alarm condition	Updated requirement for Clause 4.4.5 b) and new requirement of Clauses 4.4.5 c).
4.4.6	7.6	Rest from fire alarm condition	Updated requirement for Clause 4.4.6.1 and additional requirement for Clause 4.4.6.2.



Clause		Heading	Note
AS 7240.2:2018	AS 7240.2:2004		
4.4.8	7.8	Output to fire alarm signalling function – optional functions	Updated requirement for Clause 4.4.8.1 a), b), and c). New requirement of Clauses 4.4.8.1 d), e), and clause 4.4.8.2. <i>CSIRO note: The mandatory indicator required by the optional function specified in Cl. 4.4.8 may be provided on an alphanumeric display within a window which is used to temporarily display other information (faults, displays, tests) for up to 30 s as per Cl. 4.4.5. The required colour of the indicator is unspecified by this clause. Cl. 4.11.3.10 permits the indicator to be red in colour as this clause pertains to the fire alarm condition. Therefore, the indicator may be of any colour.</i>
4.4.10.3	7.10.3	Output type C	New requirement of Clause 4.4.10.3.2.
4.4.11	7.11	Delays to outputs- Optional function	New requirement of 4.4.11.1 f).
4.4.12	7.12	Dependency on more than one alarm signal – Optional function	New requirement of 4.4.12.1 e) and 4.4.12.2 e).
4.4.14	7.14	Output of standard emergency evacuation signal – Optional function	Requirements of Clause 4.4.8 shall now apply.
4.5.7	9.6	Audible indication	New requirement of Clause 4.5.7.3.
4.5.8	9.7	Reset of fault indications	Updated requirement for Clause 4.5.8.2.
4.5.10	9.9	Output to fault warning routing function - Optional function	Updated requirement for Clause 4.5.10.
4.6.1	10.1	General (Disabled condition – optional function)	Updated requirement for Clause 4.6.1.1 and new requirement of Clause 4.6.1.5.
4.6.4	10.2 and 10.3	Indication of the disabled condition	Updated requirements for Clauses 4.6.4.1 and 4.6.4.2, and new requirements of Clauses 4.6.4.3 and 4.6.4.4.



Clause		Heading	Note
AS 7240.2:2018	AS 7240.2:2004		
4.7.2	11.2	Indication of test condition	Updated requirement for Clause 4.7.2.
4.8.4	8.4	Audible indication	New requirement of Clause 4.8.4.3.
4.8.5	8.5	Reset of supervisory signal	Updated requirement for Clause 4.8.5.2.
4.8.6	8.6	Supervisory signal condition output	Updated requirement for Clause 4.8.6.
4.11.3	5.3 and 13.8	Indications by means of light-emitting indicators	New requirement of Clause 4.11.3.10.
4.15	5.4 and 13.4	Power supply	New requirement of Clause 4.15.1.
5.1.2	16.1.2	Specimen configuration	New requirement of Clause 5.1.2.3.
5.1.5	N/A	Provision for tests	New requirement.
5.2.6	N/A	Requirements	New requirement.
5.4.2.4	16.4.2.4	Conditioning (Cold – operational)	Updated requirement with the lowest temperature being -5 °C instead of 0 °C, or other minimum rated temperature.
5.4.3, 5.5.3, 5.6.3, 5.7.3, 5.8.2, 5.9.3, 5.10.3, 5.11.3	N/A	Requirements	New requirement.
5.12	N/A	Dry heat (operational) – optional	New requirement.
8.2	14.2	Software documentation	Updated requirements for Clauses 8.2.1 and 8.2.2.

Requirements for certification to AS 7240.2:2018

Registrants seeking re-certification of existing FDCIE are required seek re-evaluation by an ActivFire® Recognised Agency for Conformity Evaluation (RACE) to AS 7240.2:2018 and submit related evidence of conformity. Registrants are required to ensure that any such evaluation adequately covers the changes and additional requirements of AS 7240.2:2018 as detailed above for re-certification purposes.



OFFICIAL

ActivFire® Advisory Note AN-010
Re-certification of Fire Detection Control and Indicating Equipment (FDCIE) to
AS 7240.2:2018



Issuing Authorities

Kai Loh, Team Lader ActivFire

Christoper Preston, Director – Infrastructure Technologies

Issue date

25-Sep-2025

Version

v2 - clarification of indication requirement for 4.4.8.1(e).

As Australia's national science agency and innovation catalyst, CSIRO is solving the greatest challenges through innovative science and technology.

CSIRO. Unlocking a better future for everyone.

Contact us | 1300 363 400 | csiro.au/contact | csiro.au

ActivFire® Advisory Note AN-010 v2

Issue date: 25-Sep-2025

For further information

**ActivFire® Scheme / Fire Systems Laboratory
Infrastructure Technologies**

certification@csiro.au / conformityservices@csiro.au
research.csiro.au/infratech/

The electronic copy on the network/server is the latest version of the document and any paper copy is UNCONTROLLED and should be checked against the electronic copy before use.

OFFICIAL