



# ActivFire<sup>®</sup> Advisory Note AN-015

## Evaluation and certification of flexible tube assemblies to Clause 7.6 of AS 2118.1:2017 + A1:2017 + A2:2020 + A3:2024

This advisory note provides an explanation, timeline and important information regarding new requirements for the pathway of new and existing certification of steel pipes to Clause 7.6 of AS 2118.1:2017 + A1:2017 + A2:2020 + A3:2024 (“the Standard”) by CSIRO’s Fire Systems Laboratory and ActivFire<sup>®</sup> Scheme.

### Changes to Certification Provided by CSIRO

#### **New certification of flexible tube assemblies to Clause 7.6 of the Standard**

From 1 March 2024, CSIRO ActivFire<sup>®</sup> Scheme required that new certifications of flexible tube assemblies be evaluated for conformity to the relevant requirements of Clause 7.6 of the Standard by CSIRO’s Fire Systems Laboratory. Evaluation of the flexible tube assemblies will involve the following activities:

1. Inspection of the dimensions of the selected samples in accordance with Clause 7.6 (a) of the Standard.
2. Inspection of the samples in accordance with Clause 7.6 (b) and (c) of the Standard.
3. Review of manufacturer’s declarations.
4. Preparation of report.

The applicant will be required to submit the following information and samples:

1. A sample selected by CSIRO from each series of flexible tube assembly, packaged and labelled as sold in Australia.
2. Manufacturer’s declaration stating the following for each series of flexible tube assembly:
  - a. Assemblies are of metal construction and is braided.
  - b. Physical lengths are not greater than 1.8 m.
  - c. That the equivalent length of each assembly, as used for hydraulic calculations, as shown in the data sheets are inclusive of two 90° bends.
3. Any other information reasonably required by CSIRO.

The following conditions and limitations will apply:

1. Installations shall be in accordance with the manufacturer’s installation instructions and the Standard.
2. Installers of the flexible tube assembly shall ensure the following:
  - a. That the physical lengths of the flexible tube assembly is not greater than 1.8 m.
  - b. That flexible tube assemblies are not connected together.
  - c. That sprinkler deflectors shall be maintained parallel to the ceiling to which they are installed.
3. Certificates will exclude conformance to Clause 7.6 (d), (f) and (g) of the Standard.

## Revalidation of currently ActivFire® certified flexible tube assemblies

To ensure that all flexible tube assemblies registered with CSIRO's ActivFire® Scheme meet the new evaluation and certification requirements, all currently certified flexible tube assemblies will be required to be evaluated by CSIRO's Fire Systems Laboratory by 30 December 2024.

From 30 April 2025, CSIRO's ActivFire® Scheme will no longer revalidate ActivFire® certified flexible tube assemblies that do not meet the above requirements and/or those that have not been evaluated by CSIRO's Fire Systems Laboratory.

## Timeline of changes

### March 2024

- New certifications of flexible tube assemblies were required to be evaluated for conformity by CSIRO's Fire Systems Laboratory to the relevant requirements of Clause 7.6 of the AS 2118.1:2017 + A1:2017 + A2:2020 + A3:2024.
- Any updates or changes to currently ActivFire® certified flexible tube assemblies to meet the new requirements.

### April 2024

- AN-015 (this document) published.
- Existing ActivFire® certified flexible tube assemblies will continue to be revalidated.
- Application to update exiting ActivFire® certified flexible tube assemblies to the latest certification requirements opened.

### December 2024

- Application close for existing flexible tube assemblies to be evaluated to the new requirements by CSIRO's Fire System Laboratory, to maintain registration after 30 April 2025.

### April 2025

- Revalidation of existing ActivFire® listed flexible tube assemblies will only be available where the flexible tube assembly has been evaluated to CSIRO's Fire System Laboratory and meets the new requirements.

## Issuing Authorities

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