



## ActivFire® Advisory Note AN-022

### Testing and certification of pre-engineered kitchen suppression systems

This advisory note provides an explanation of the timeline for the pathway for certification of kitchen suppression systems in accordance with CSIRO Technical Specification TS-020. It includes important information regarding additional requirements for ongoing certification of kitchen suppression systems to the TS-020 by CSIRO's Fire Systems Laboratory and ActivFire® Scheme.

#### Background

Pre-engineered kitchen suppression is designed to prevent and extinguish fires in commercial kitchens, and are vital for the protection of people, property and equipment from fires. To ensure that these products can meet the requirements of AS 3772:2020, CSIRO's ActivFire® Scheme has updated its certification criteria and process for pre-engineered kitchen suppression systems.

#### Changes to Certification Provided by CSIRO

##### **New certification of pre-engineered kitchen suppression systems**

From January 2025, CSIRO's ActivFire® Scheme has required that new certifications are verified for conformity in accordance with CSIRO Technical Specifications TS-020 by a Recognised Agency for Conformity Evaluation (RACE). TS-020 details the requirements and evaluation pathway, including testing for fire extinguishing and mechanical performance in accordance with the requirements of the TS-020.

It is a condition of ActivFire® certification that representatives of CSIRO's Fire System Laboratory or ActivFire® Scheme witness the relevant fire extinguishment test in accordance with UL 300 or an equivalent standard.

##### **Revalidation of currently ActivFire® certified pre-engineered kitchen suppression system**

To ensure that all pre-engineered kitchen suppression system registered with CSIRO's ActivFire® Scheme meet the new certification requirements, CSIRO's ActivFire® Scheme shall require the following:

1. Registrant of currently ActivFire® certified pre-engineered kitchen suppression systems shall have their pre-engineered kitchen suppression system verified for conformity in accordance with CSIRO Technical Specifications TS-020 by a RACE by 31 December 2027, to maintain certification after 30 April 2028.
2. Nominated representatives of either CSIRO's Fire Systems Laboratory or ActivFire® Scheme team shall witness selected fire extinguishment test in accordance with UL 300 or an equivalent standard.



## Timeline of changes

### January 2025

- New certification of pre-engineered kitchen suppression system required to be verified for conformity in accordance with CSIRO Technical Specifications TS-020 by a RACE.

### August 2025

- AN-022 and CSIRO Technical Specifications TS-020 published
- Application to update existing ActivFire® certified pre-engineered kitchen suppression system to the latest certification requirements opened.

### April 2026 and April 2027

- Existing ActivFire® listed pre-engineered kitchen suppression system will continue to be revalidated.

### December 2027

- Application close for existing pre-engineered kitchen suppression system to be verified for conformity in accordance with CSIRO Technical Specifications TS-020 by a RACE, to maintain registration after 30 April 2028.

### April 2028

- Revalidation of existing ActivFire® listed pre-engineered kitchen suppression system will only be available where the pre-engineered kitchen suppression system is verified by a RACE in accordance with CSIRO Technical Specifications TS-020.

## Issuing Authorities

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