

## **TERMS OF REFERENCE**

### **Special Hazard Fire Protection Systems Technical Advisory Committee (TAC 11/22)**

3 December 2010

Special Hazards are those hazards that pose special challenges to the design, operation and effectiveness of fire protection systems. These challenges include:

- Intensity or speed of fire.
- Materials involved.
- Configuration of equipment to be protected.
- Vulnerability to damage by water or smoke.

Special Hazards fire protection systems are typically used where there is a need to:

- Protect high value assets.
- Guarantee business continuity.
- Safeguard people and processes.

TAC 11/22 has interests in all fixed, engineered or pre-engineered, Special Hazards fire protection systems, including those using:

- Gaseous;
- Foam;
- Water mist;
- Aerosol;
- Powder; and
- Wet chemical extinguishing agents.

Members of TAC/11/22 have played an active role in Standards Australia's FP-011 (Special Hazards), FP-022 (Fire protection of mobile and transportable equipment) and ME-017 (Storage and handling of flammable liquids) committee's.

Members are also actively involved in the implementation of the Australian Government's Fire Protection Industry Regulations dealing with Ozone Protection and Greenhouse Gas Management. This has involved contribution to the development of nationally endorsed training competencies and associated learning materials to support the roll out of competency based Extinguishing Agent Handling Licences for technicians working with systems which contain of Ozone Depleting Substances or Synthetic Greenhouse Gases (ODS & SGG).

TAC/11/22 has direct links to the development of many Australian standards including:

- AS 4214 and AS ISO 14520 Gaseous fire extinguishing systems.
- AS 5062 Fire protection for mobile and transportable equipment.
- AS/NZS 4487 Pyrogen fire extinguishing systems.
- AS 4587 Water mist protection systems.
- AS 1940 The storage and handling of flammable and combustible liquids.
- AS 3772 Pre-engineered fire protection systems for cooking equipment
- AS 1851 Maintenance of fire protection systems and equipment.

**Key Functions:**

- Be aware of all legislation, regulations, codes, Australian Standards, and other publications that relate to special hazard fire protection systems.
- Provide input into the development of Australian Standards relating to special hazard fire protection systems.
- Provide guidance on technical and application matters related to special hazard fire protection systems to FPA Australia, TACs and SIGs.
- Review FPA Australia's relevant educational material and recommend the development of supporting documents (e.g. a data sheet) when the need is identified.
- Assist with the preparation of articles for publications such as FireTalk and the Fire Australia Journal on matters relating to special hazard fire protection systems.
- Report to NTAC on key issues, recommendations, and request advice.

**Secondary Roles:**

- Promote the flow of information related to standards for special hazard fire protection systems to FPA Australia members.
- Provide a forum to bring members with allied interest together.
- Work cooperatively with relevant external groups.
- Provide information about seminars and conferences relative to the industry, which should be considered by the Board.
- Run seminars or workshops on subjects of interest to FPA Australia members.

**Interrelationships:**

- FPA Australia Head Office
- National Technical Advisory Committee (NTAC)
- TAC/1 Maintenance of Fire Protection Equipment
- TAC/2 Fire Detection and Alarms Systems
- FP-001 Maintenance of Fire Protection Equipment
- FP-002 Fire Detection, Warning, Control and Intercom Systems
- FP-011 Special Hazard Fire Protection Systems
- FP-022 Fire Protection of Mobile and Transportable Equipment
- ME-017 Flammable and Combustible Liquids
- Fire Protection Industry (ODS & SGG) Board
- CSIRO

Approved by FPA Australia Board of Directors 21 October 2010

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