



# Automatic Fire Alarm System Agreement

## Guideline No. 1

### Alarm Installation Location Requirements for FRNSW Response

Issued under Automatic Fire Alarm System Services Agreement

Field Operations Division

## 1 Purpose

- 1.1 The purpose of this document is to provide Automatic Fire Alarm Service Providers (AFASPs) with a guideline to determine the location and number of Alarm Installations required at their Customers' Protected Premises and Protected Sites to support regulatory authority and Fire and Rescue NSW (FRNSW) requirements for Designated Entry Points, in accordance with *AS1670.1*, the *National Construction Code incorporating - Building Code of Australia (BCA)* and *System Specification AFA/CAD IP Communication System Interface Specification (AFA-S-01, AFA-S-03)*.

**Note:** AFASP's Customers' compliance with these requirements assists with effective and timely response by directing FRNSW firefighting vehicles to nominated Designated Building Entry Points (DBEPs) or Designated Site Entry Points (DSEPs).

## 2 Definitions

Term	Definition
Designated Building Entry Point (DBEP)	An entry point to a building that provides fire fighters information identifying the location of a fire alarm. (consistent with AS 1670.1 and AS 2118.1)
Designated Site Entry Point (DSEP)	An entry to a site which provides fire fighters with information identifying the location of the building from which the alarm originated. (consistent with AS 1670.1 and AS 2118.1)
Mimic Panel	A repeater panel which shows in diagrammatic form the location of the alarm zones. (AS 2484.2)
Protected Site	A parcel or allotment of land containing one or more buildings under one ownership or management, with one or more Designated Site Entry Points and containing one or more Protected Premises.

**Note:** See also *Automatic Fire Alarm System Services Agreement, 1.1: Definitions*.

### **3 Designated Entry Point Identification Requirements**

#### **3.1 Designated Entry Point Identification**

- 3.1.1 The AFASP must ensure that DBEPs and DSEPs are nominated locations individually identifiable to FRNSW Communication Centres.
- 3.1.2 For large or complex Protected Premises and Protected Sites, AFASPs must ensure that their Customers consult with FRNSW during the fire protection system design stage to determine the number and location of DBEPs and DSEPs required.

#### **3.2 Designated Building Entry Points (DBEPs)**

- 3.2.1 The AFASP must ensure that each Protected Premises has a nominated DBEP. The DBEP will normally be the main entry to the building. The regulatory authority may require large or complex Protected Premises to be equipped with multiple DBEPs. The AFASP must ensure that where a Protected Premises has multiple DBEPs, each DBEP is recognised as a unique Alarm Installation.
- 3.2.2 The AFASP must ensure that at each Protected Premises the Fire Indicator Panel (FIP) is clearly visible and readily accessible at the DBEP or the fire control room, unless the FIP is remotely located, in which case a mimic panel, repeater panel or fire brigade panel is installed at the DBEP. The DBEP must be at the main entry to the Protected Premises unless an alternative entry that is acceptable to FRNSW is used.

#### **3.3 Designated Site Entry Points (DSEPs)**

- 3.3.1 The AFASP must ensure that where multiple Protected Premises stand on a Protected Site that has a single entry, that entry will be identified to FRNSW Communication Centres as a DSEP (for example, a gatehouse containing mimic panels which can be used to identify specific Protected Premises).
- 3.3.2 The regulatory authority may require large or complex Protected Sites to have multiple DSEPs. The AFASP must ensure that each DSEP is recognised as a unique Alarm Installation.
- 3.3.3 If a Protected Site with multiple DSEPs has physical barriers preventing access by FRNSW fire fighting vehicles via any DSEP to a Protected Premises, the AFASP must ensure that additional Alarm Installations are installed to identify each DSEP.
- 3.3.4 Where multiple DSEP are provided, Protected Premises must be identified on arrival at the DSEP, via an FIP, Sub-indicator Panel or Mimic Panel, or by means of a visual external alarm indication (red strobe light) on the outside of the Protected Premises, which is visible from the DSEP providing access to the Protected Premises.

### **4 Contact for Further Information**

- 4.1 For further information or assistance the AFASP may contact FRNSW's Field Operations Business Services (phone 02 9742 7550), which will refer the AFASP to the relevant Fire Safety Branch.

## 5 References

<b>Identifier</b>	<b>Title</b>
AFA-P-30	<i>Rates Schedule</i>
AFA-S-01 AFA-S-03	<i>System Specifcation AFA/CAD IP Communication System Interface Specification System Specifcation AFA/CAD IP Communication System Interface Specification: Appendix B:NSW</i>
AS1670.1-2004	<i>Fire Detection, Warning, Control and Intercom Systems - System Design, Installation and Commissioning - Fire</i>
AS2118.1-1999	<i>Automatic Fire Sprinkler Systems - General Requirements</i>
	<i>Building Code of Australia (BCA)</i>