PURPOSE:

To assist in the identification of signage required for the installation of fire safety equipment in buildings.

COMMENT:

The following tables have been compiled from the National Construction Codes - Building Code of Australia (BCA), Australian Standards (AS) and DFES Operational Requirements, but may be subject to change as a result of amendments to either the BCA, Australian Standards or DFES Requirements. The information is not exhaustive and is only intended to include the most common labels and signage of fire safety equipment.

The labels and signage shall be displayed prominently, where they are highly visible, and can readily be seen. Labels and signage must comply with the details and dimensions as required by the BCA and relevant Australian Standards. DFES highly recommends all fire safety equipment signage to be white lettering against a red background where specifications nominate high contrasting lettering and background.

CONTENTS:

01. Fire Extinguisher
02. Fire Hose Reel
03. Combined Fire Hose Reel & Fire Extinguisher
04. Fire Hydrant
05. Fire Hydrant & Fire Hose Reel
06. Fire Pumpsets
07. Booster Connection
08. Sprinkler Stop Valve
09. Sprinkler Control Valves
10. Fire / Smoke Doors
11. Exit & Directional Signs
12. Fire Indicator Panel
13. Fire Detectors Remote Indicators
14. Main Switchboard
15. High Voltage Installations
16. Transformer Room
17. Pump Room
18. Fire Control Room
19. Lifts
20. Non Required Stairs, Ramps & Escalators
21. Gaseous Fire Extinguishing Systems
22. Hard Suction (Storz) Connection
23. Gateway to Fence that Forms Part of Fire Appliance Access way
24. Fire Appliance Hardstanding
<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>SAFETY SIGN</th>
<th>APPLICATION / DESCRIPTION</th>
</tr>
</thead>
</table>
| 01. Fire Extinguisher | Pictorial image, marked with words: ![Fire Extinguisher](image) | Application: Open location.  
Description: 16mm text height. White lettering on red background.  
Reference: AS2444-2001 Clause 3.2 and 3.3; Figures 3.1 and 3.2 |
|  | Marked with words: ![Fire Extinguisher](image) | Application: On cabinet / enclosure.  
Description: 32mm text height. Text high contrast against background.  
Reference: AS2444-2001 Clause 3.6 |
| 02. Fire Hose Reel | Pictorial image, marked with words: ![Fire Hose Reel](image) | Application: Open location.  
Description: 16mm text height. White lettering on red background.  
Reference: AS 2441-2005 Clause 10.4.1 |
|  | Marked with words: ![Fire Hose Reel](image) | Application: On cabinet / enclosure.  
Description: 50mm text height. Text high contrast against background.  
Reference: AS 2441-2005 Clause 10.4.4 |
|  | Marked with words: ![Fire Service Valve](image)  
**FIRE SERVICE VALVE – CLOSE ONLY TO SERVICE FIRE HOSE REELS** | Application: Above valve on metered water supply that could prevent flow of water to a hose reel.  
Description: 8mm text height. Engraved non-ferrous metal tag.  
Reference: AS2441-2005 Clause 6.2(c) |
| 03. Combined Fire Hose Reel and Fire Extinguisher | Marked with words: **FIRE HOSE REEL AND FIRE EXTINGUISHER** | Application: On cabinet / enclosure.  
Description: Words “FIRE HOSE REEL” 50mm text height; Words “FIRE EXTINGUISHER” 32mm text height. Text high contrast against background.  
Note: Use of international symbol alone is not permitted.  
Reference: AS 2441-2005 Clause 10.4.1 and AS 2444-2001 Clause 3.6 |
| 04. Fire Hydrant | Marked with words: **FIRE HYDRANT** | Application: On cabinet / enclosure  
External Hydrant  
Description: 75mm text height. Text high contrast against background.  
Reference: AS2419.1 – 2005 Clause 3.6.2(a) |
|  | Marked with words: **FIRE HYDRANT** | Application: : On cabinet / enclosure  
Internal Hydrant  
Description: 50mm text height. Text high contrast against background.  
Reference: AS2419.1 – 2005 Clause 3.6.2(b) |
| 05. Fire Hydrant and Fire Hose Reel | Marked with words: **FIRE HYDRANT – HOSE REEL** | Application: On cabinet / enclosure  
External Hydrant  
Description: 75mm text height. Text high contrast against background.  
Reference: AS2419.1 – 2005 Clause 3.6.2(a) |
|  | Marked with words: **FIRE HYDRANT – HOSE REEL** | Application: On cabinet / enclosure  
Internal Hydrant  
Description: 50mm text height. Text high contrast against background.  
Reference: AS2419.1 – 2005 Clause 3.6.2(a) |
| 06. Fire Pumpsets | Marked with words: | Application: Above the electric isolating switches.  
| | | Description: White lettering on red background.  
| | | Reference: AS2419.1 2005 Clause 6.3 and AS1319 1994 Clause 2.3.6  
| | | |  
| | Marked with words: | Application: Marking on each pumpset.  
| | | Description: Warning signage as per AS1319 1994 Appendix C  
| | | Reference: AS2941 2013 Clause 3.11.3 and AS1319 1994 Appendix C.  
| 07. Booster Connection | Marked with words as applicable: | Application: On cabinet / enclosure  
| | | Description: 50mm text height. Text high contrast against background.  
| | | Where a Feed Hydrant is installed in the Booster Assembly the symbol ‘FH’ is required, marked in a circular line of an inside diameter of 100mm.  
| | | Reference: AS2419.1 – 2005 Clause 7.10.2 and Figure 7.4 (a)  
| Marked with words: | Application: Inside cabinet / enclosure.  
| | | Description: 25mm text height. Text high contrast against background. (Fade Resistant Engraved).  
| | | Reference: AS2419 2005 Clause 7.10.1 and Figure 7.10.  

FIRE HYDRANT PUMP – DO NOT SWITCH OFF

THIS PUMP STARTS AUTOMATICALLY

FIRE HYDRANT BOOSTER

FIRE HYDRANT AND SPRINKLER BOOSTER

COMBINED FIRE HYDRANT AND SPRINKLER BOOSTER

BOOST PRESSURE ____ kPa
TEST PRESSURE ____ kPa
<table>
<thead>
<tr>
<th>07. Booster Connection</th>
<th>Marked with words:</th>
<th>Application: Inside cabinet / enclosure, above the Feed Hydrant. Only applicable where Hydrant is fed from the fire pump.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>HYDRANT – PUMP FED</td>
<td>Description: 50mm text height. Text high contrast against background.</td>
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<tr>
<td></td>
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<td>Reference: DFES Operational Requirements.</td>
</tr>
<tr>
<td>Marked with words:</td>
<td>Application: On cabinet / enclosure.</td>
<td>Description: 50mm text height. Red text on white background with red border. The white background &amp; the “!” symbol are to have a reflective finish.</td>
</tr>
<tr>
<td>HYDRANTS REQUIRE BOOSTING</td>
<td></td>
<td>Reference: DFES Operational Requirements.</td>
</tr>
<tr>
<td>Marked with words:</td>
<td>Application: On Fire Indicator Panel.</td>
<td>Description: 12mm text height. Text high contrast against background.</td>
</tr>
<tr>
<td>HYDRANTS REQUIRE BOOSTING</td>
<td></td>
<td>Reference: DFES Operational Requirements.</td>
</tr>
<tr>
<td>Marked with words:</td>
<td>Application: Inside cabinet / enclosure.</td>
<td>Description: 25mm text height. Text high contrast against background. (Engraved)</td>
</tr>
<tr>
<td>WARNING THIS BOOSTER IS CONNECTED IN SERIES (RELAY) WITH THE FIXED ON-SITE FIRE PUMPS WHICH MAY BE RUNNING THIS GAUGE SHOWS THE TRUE BOOSTPRESSUE AT THE FIXED ON-SITE PUMP DISCHARGE</td>
<td></td>
<td>Reference: AS2419.1 2005 Clause 7.6(c) and Figure 7.6.2.</td>
</tr>
<tr>
<td>Marked with words:</td>
<td>Application: On cabinet / enclosure.</td>
<td>Description: 50mm text height. Text high contrast against background.</td>
</tr>
<tr>
<td>SPRINKLER BOOSTER CONNECTION</td>
<td></td>
<td>Reference: AS2118.1 2006 Clause 4.5.4</td>
</tr>
<tr>
<td>07. Booster Connection</td>
<td>Marked with words:</td>
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<tr>
<td>------------------------</td>
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<tr>
<td><strong>WALL WETTING SPRINKLER BOOSTER CONNECTION</strong></td>
<td></td>
<td></td>
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<tr>
<td>Application: On cabinet / enclosure</td>
<td></td>
<td></td>
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<tr>
<td>Description: 50mm text height. Text high contrast against background.</td>
<td></td>
<td></td>
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<tr>
<td>Reference: DFES Operational Requirements.</td>
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<thead>
<tr>
<th>Marked with words:</th>
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<tbody>
<tr>
<td><strong>RELAY PUMP – LEVEL __ (TO BOOST TO LEVEL __) (BOOST PRESSURE __ kPa)</strong></td>
</tr>
<tr>
<td>Description: 25mm text height. Text high contrast against background.</td>
</tr>
<tr>
<td>Reference: DFES Operational Requirements.</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>08. Sprinkler Stop Valve</th>
<th>Marked with words:</th>
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</thead>
<tbody>
<tr>
<td><strong>SPRINKLER STOP VALVE INSIDE</strong></td>
<td></td>
</tr>
<tr>
<td><strong>WALL WETTING SPRINKLER STOP VALVE INSIDE</strong></td>
<td></td>
</tr>
<tr>
<td>Application: Location Plate – on cabinet / enclosure.</td>
<td></td>
</tr>
<tr>
<td>Description: Words ‘SPRINKLER STOP VALVE’ 35mm text height. Words ‘INSIDE’ 25mm text height. Text white on black background.</td>
<td></td>
</tr>
<tr>
<td>Reference: AS2118.1 2006 Clause 8.4</td>
<td></td>
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</tbody>
</table>

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<thead>
<tr>
<th>Marked with words:</th>
</tr>
</thead>
</table>
| 1. CALL FIRE BRIGADE (000)  
2. MAKE SURE FIRE IS OUT.  
3. CLOSE MAIN STOP VALVE (SHUTTING OFF WATER SUPPLY).  
4. OPEN WASTE VALVE (DRAINING INSTALLATION)  
5. CALL MAINTENANCE CONTRACTOR  
6. REMAIN AT VALVES.  
IF FIRE RE-OCCURS – (A)CLOSE MAIN DRAIN VALVE, AND (B)RE-OPEN MAIN STOP VALVE. |
| Application: Emergency Instructions at Control Assemblies. |
| Description: Minimum 10mm text height. Text high contrast against background. |
| Reference: AS2118.1 2006 Clause 8.5 and DFES Operational Requirements |
| 9. Sprinkler Control Valves | Marked with words: | Application: Marking of route from FIP to Control Valves. Positioned on doors or walls. Arrows should be used as appropriate.  
Description: 50mm text height. White lettering on red background.  
Reference: DFES Operational Requirements. |
|--------------------------|------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10. Fire / Smoke Doors   | Marked with words as applicable: | Application: Instructional sign on doors.  
Description: 20mm text height. Text high contrast with background.  
Reference: BCA D2.23 (b) |
|                          | Marked with words: | Application: Warning sign for sliding doors within a firewall. Installed on each side of the doorway located directly over the opening.  
Description: 50mm text height. Text high contrast with background.  
Reference: BCA C3.6 (a)(iv) |
|                          | Marked with words: | Application: Warning sign on doors.  
Description: 5mm text height. Text high contrast with background.  
Reference: AS1670.1 2004 Clause 3.19 |
| 11. Exit and Directional Signs | Pictorial image | Application: Instructional signs above doors and on the wall approximately two metres above ground level. Positioned as appropriate.  
Description: Minimum pictorial element height for any exit sign shall be 100mm. White on green background. |
| 11. Exit and Directional Signs | Pictorial image | Application: Instructional signs above doors and on the wall approximately two metres above ground level. Positioned as appropriate.  
(Exit left)  
(Exit right)  
Description: Minimum pictorial element height for any exit sign shall be 100mm. White on green background.  
Reference: AS2293.3 2005 Section 3 BCA E4.5 and E4.6 AS2293.3 2005 Section 3. Figure 3.2. |
| 12. Fire Indicator Panel | Marked with words: FIRE PANEL | Application: On cabinet / enclosure or on the door leading to the panel.  
Description: 50mm text height. Text high contrast with background.  
Reference: AS1670.1 2004 Clause 3.92 |
| 13. Fire Detectors Remote Indicators | Marked with words: FIRE ALARM _ _  
Where “_ _” is a location descriptor. | Application: On cabinet / enclosure or on the door leading to the panel.  
Description: 50mm text height. Text high contrast with background.  
Reference: AS1670.1 2004 Clause 3.92 |
| 14. Main Switchboard | Marked with words: MAIN SWITCHBOARD | Application: On or above the switchboard in a prominent location.  
Description: 10mm text height. Text high contrast with background.  
Reference: AS/NZ3000 2007 Clause 2.9.2.4 and DFES Operational Requirements.  
Marked with words: IN THE EVENT OF FIRE, DO NOT SWITCH OFF  
Application: On main switches controlling fire systems.  
Description: 10mm text height. Text high contrast with background.  
Reference: AS/NZ 3000 2007 Clause 7.2.6.2 and DFES Operational Requirements. |
| 14. Main Switchboard | Marked with words: **MAIN SWITCH ROOM** | Application: On the door or next to entrance.  
Description: 50mm text height.  
Text high contrast with background.  
Reference: DFES Operational Requirements. |
|----------------------|----------------------------------------|-------------------------------------------------|
| 15. High Voltage Installations | Marked with words: ![DANGER HIGH VOLTAGE AUTHORISED PERSONS ONLY](image) | Application: At the entrance to a substation.  
Description: 40mm text height.  
Reference: AS 3000 2007, 7.6.3(f). |
| 16. Transformer Room | Marked with words: **TRANSFORMER ROOM** | Application: On the door or next to entrance.  
Description: 50mm text height.  
Text high contrast with background.  
Reference: DFES Operational Requirements. |
| 17. Pump Room | Marked with words as applicable: **FIRE HYDRANT PUMP ROOM**, **SPRINKLER PUMP ROOM**, **FIRE BRIGADE RELAY PUMP ROOM** | Application: On the door or next to entrance.  
Description: 75mm text height.  
Text high contrast with background.  
Reference: AS2419.1 2005 Clause 7.7 (d), AS2419.1 2005 Clause 6.4.1 and DFES Operational Requirements. |
| 18. Fire Control Room | Marked with words: **FIRE CONTROL ROOM** | Application: On the door.  
Description: 50mm text height.  
Text high contrast with background.  
Reference: BCA Spec E1.8 Clause 11. |
| 19. Lifts | Marked with words: | Application: On the wall next to the entrance.  
Description: 8mm or 10mm text height. (Dependent upon material used. Refer BCA Part E3.3). Text high contrast with background.  
Reference: BCA Part E3.3 and Figure E3.3. |
<table>
<thead>
<tr>
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</thead>
<tbody>
<tr>
<td><strong>DO NOT USE LIFTS IF THERE IS A FIRE</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
| 20. Non Required Stairs, Ramps and Escalators | Marked with words: | Application: On the wall next to the entrance.  
Description: 16mm or 20mm text height. (Refer BCA Spec D1.12). Text high contrast with background.  
Reference: BCA Spec D1.12 Clause 2(j) and Figure 2. |
| **DO NOT USE THIS STAIRWAY IF THERE IS A FIRE** | | |
| 21. Gaseous Fire Extinguishing Systems | Refer to Australian Standards with regards to:  
Marking for the warning and instruction sign.  
Numbers of containers and quantity marking.  
Identification and marking of containers.  
Labelling of indicators and controls.  
Description: Refer to AS ISO 14520 for text details  
Reference: AS ISO 14520 2009 |
| 22. Hard Suction (Storz) Connection | Marked with words: | Application: On cabinet / enclosure  
Description: 50mm text height. Text high contrast with background.  
Reference: DFES Operational Requirements. DFES Guidelines GL 08. |
| **HARD SUCTION CONNECTION** | | |
| 23. Gateway to Fence that forms part of the Fire Appliance Access way | Marked with words: | Application: On sign post, secured to the centre of the fence.  
Description: 50mm text height. Text high contrast with background.  
Reference: DFES Operational Requirements. |
<p>| <strong>FIRE APPLIANCE ACCESS – KEEP CLEAR</strong> | | |</p>
<table>
<thead>
<tr>
<th>24. Fire Appliance Hardstand</th>
<th>Marked with words:</th>
</tr>
</thead>
<tbody>
<tr>
<td>FIRE APPLIANCE HARDSTANDING</td>
<td>Description: Minimum 20cm text height. Text high contrast with background and hardstand extremities bordered. Preferably yellow.</td>
</tr>
<tr>
<td>DO NOT OBSTRUCT</td>
<td>Reference: DFES Operational Requirements. DFES Guidelines GL 11</td>
</tr>
</tbody>
</table>

**APPLICABLE LEGISLATION:**
Building Act 2011
Building Regulations 2012 (as amended)

**REFERENCED STANDARDS AND DOCUMENTATION**
- AS2419.1 2005  Fire Hydrant Installations
- AS2118 2006  Automatic Fire Sprinkler Systems
- AS2441 2005  Installation of Fire Hose Reels
- AS2444 2001  Portable Fire Extinguishers and Fire Blankets
- AS1319 1994  Safety Signs for the Occupational Environment
- AS2941 2013  Fixed Fire Protection Installations – Pumpset Systems
- AS2293 2005  Emergency Escape Lighting and Exit Signs for Buildings
- AS1670.1 2004 Fire Detection, Warning, Control and Intercom Systems
- AS2293.3 2005 Emergency Escape Lighting and Exit Signs for Buildings
- AS ISO 14520 2009 Gaseous Fire Extinguishing Systems
- AS/NZS 3000 2007 Electrical Installations (known as the Australian / New Zealand Wiring Rules)
- National Construction Codes – Building Code of Australia 2014 (BCA)
- DFES Guidelines

*Please note:* This is a controlled document. DFES Guidelines are available on the DFES Website: [www.dfes.wa.gov.au](http://www.dfes.wa.gov.au) under Regulation and Compliance, Building Plan Assessment then click on Publications/Guidelines.

Should the information provided in this guideline require further clarification, please contact DFES Built Environment Branch on telephone number 9395 9800.

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**OPERATIONS CAPABILITY**
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