



DFES Built Environment Branch Guideline (GL) 03

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Authorised: Manager Built Environment Branch

GL-03: FIRE SAFETY EQUIPMENT SIGNAGE

PURPOSE:

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





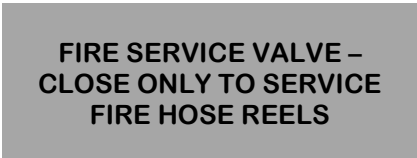
COMMENT:

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.

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01. Fire Extinguisher	<p>Pictorial image, marked with words:</p> 	<p>Application: Open location.</p> <p>Description: 16mm text height. White lettering on red background.</p> <p>Reference: AS2444-2001 Clause 3.2 and 3.3; Figures 3.1 and 3.2</p>
	<p>Marked with words:</p> 	<p>Application: On cabinet / enclosure.</p> <p>Description: 32mm text height. Text high contrast against background.</p> <p>Reference: AS2444-2001 Clause 3.6</p>
02. Fire Hose Reel	<p>Pictorial image, marked with words:</p> 	<p>Application: Open location.</p> <p>Description: 16mm text height. White lettering on red background.</p> <p>Reference: AS 2441-2005 Clause 10.4.1</p>
	<p>Marked with words:</p> 	<p>Application: On cabinet / enclosure.</p> <p>Description: 50mm text height. Text high contrast against background.</p> <p>Reference: AS 2441-2005 Clause 10.4.4</p>
	<p>Marked with words:</p> 	<p>Application: Above valve on metered water supply that could prevent flow of water to a hose reel.</p> <p>Description: 8mm text height. Engraved non-ferrous metal tag.</p> <p>Reference: AS2441-2005 Clause 6.2(c)</p>




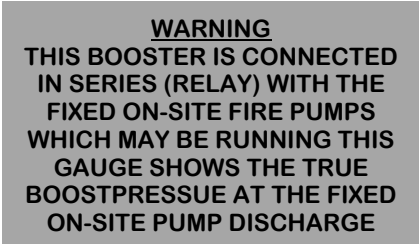

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<p>03. Combined Fire Hose Reel and Fire Extinguisher</p>	<p>Marked with words:</p> 	<p>Application: On cabinet / enclosure.</p> <p>Description: Words "FIRE HOSE REEL" 50mm text height; Words "FIRE EXTINGUISHER" 32mm text height. Text high contrast against background.</p> <p>Note: Use of international symbol alone is not permitted.</p> <p>Reference: AS 2441-2005 Clause 10.4.1 and AS 2444-2001 Clause 3.6</p>
<p>04. Fire Hydrant</p>	<p>Marked with words:</p> 	<p>Application: On cabinet / enclosure External Hydrant</p> <p>Description: 75mm text height. Text high contrast against background.</p> <p>Reference: AS2419.1 – 2005 Clause 3.6.2(a)</p>
	<p>Marked with words:</p> 	<p>Application: : On cabinet / enclosure Internal Hydrant</p> <p>Description: 50mm text height. Text high contrast against background.</p> <p>Reference: AS2419.1 – 2005 Clause 3.6.2(b)</p>
<p>05. Fire Hydrant and Fire Hose Reel</p>	<p>Marked with words:</p> 	<p>Application: On cabinet / enclosure External Hydrant</p> <p>Description: 75mm text height. Text high contrast against background.</p> <p>Reference: AS2419.1 – 2005 Clause 3.6.2(a)</p>
	<p>Marked with words:</p> 	<p>Application: On cabinet / enclosure Internal Hydrant</p> <p>Description: 50mm text height. Text high contrast against background.</p> <p>Reference: AS2419.1 – 2005 Clause 3.6.2(b)</p>





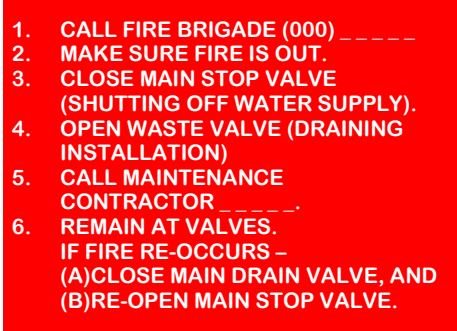
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06. Fire Pumpsets	<p>Marked with words:</p> 	<p>Application: Above the electric isolating switches.</p> <p>Description: White lettering on red background.</p> <p>Reference: AS2419.1 2005 Clause 6.3 and AS1319 1994 Clause 2.3.6</p>
	<p>Marked with words:</p> 	<p>Application: Marking on each pumpset.</p> <p>Description: Warning signage as per AS1319 1994 Appendix C</p> <p>Reference: AS2941 2013 Clause 3.11.3 and AS1319 1994 Appendix C.</p>
07. Booster Connection	<p>Marked with words as applicable:</p>   	<p>Application: : On cabinet / enclosure</p> <p>Description: 50mm text height. Text high contrast against background.</p> <p>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.</p> <p>Reference: AS2419.1 – 2005 Clause 7.10.2 and Figure 7.4 (a)</p>
	<p>Marked with words:</p> 	<p>Application: Inside cabinet / enclosure.</p> <p>Description: 25mm text height. Text high contrast against background. (Fade Resistant Engraved).</p> <p>Reference: AS2419 2005 Clause 7.10.1 and Figure 7.10.</p>

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07. Booster Connection	<p>Marked with words:</p> 	<p>Application: Inside cabinet / enclosure, above the Feed Hydrant. Only applicable where Hydrant is fed from the fire pump.</p> <p>Description: 50mm text height. Text high contrast against background.</p> <p>Reference: DFES Operational Requirements.</p>
	<p>Marked with words:</p> 	<p>Application: On cabinet / enclosure.</p> <p>Description: 50mm text height. Red text on white background with red border. The white background & the "!" symbol are to have a reflective finish.</p> <p>Reference: DFES Operational Requirements.</p>
	<p>Marked with words:</p> 	<p>Application: On Fire Indicator Panel.</p> <p>Description: 12mm text height. Text high contrast against background.</p> <p>Reference: DFES Operational Requirements.</p>
	<p>Marked with words:</p> 	<p>Application: Inside cabinet / enclosure.</p> <p>Description: 25mm text height. Text high contrast against background. (Engraved).</p> <p>Reference: AS2419.1 2005 Clause 7.6(c) and Figure 7.6.2.</p>
	<p>Marked with words:</p> 	<p>Application: On cabinet / enclosure.</p> <p>Description: 50mm text height. Text high contrast against background.</p> <p>Reference: AS2118.1 2006 Clause 4.5.4</p>

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07. Booster Connection	<p>Marked with words:</p> 	<p>Application: On cabinet / enclosure</p> <p>Description: 50mm text height. Text high contrast against background.</p> <p>Reference: DFES Operational Requirements.</p>
	<p>Marked with words:</p> 	<p>Application: Inside cabinet / enclosure. Above or next to Relay Pump Remote Switch.</p> <p>Description: 25mm text height. Text high contrast against background.</p> <p>Reference: DFES Operational Requirements.</p>
08. Sprinkler Stop Valve	<p>Marked with words:</p>  	<p>Application: Location Plate – on cabinet / enclosure.</p> <p>Description: Words 'SPRINKLER STOP VALVE' 35mm text height. Words 'INSIDE' 25mm text height. Text white on black background.</p> <p>Reference: AS2118.1 2006 Clause 8.4</p>
	<p>Marked with words:</p> 	<p>Application: Emergency Instructions at Control Assemblies.</p> <p>Description: Minimum 10mm text height. Text high contrast against background.</p> <p>Reference: AS2118.1 2006 Clause 8.5 and DFES Operational Requirements</p>

<p>9. Sprinkler Control Valves</p>	<p>Marked with words:</p> 	<p>Application: Marking of route from FIP to Control Valves. Positioned on doors or walls. Arrows should be used as appropriate.</p> <p>Description: 50mm text height. White lettering on red background.</p> <p>Reference: DFES Operational Requirements.</p>
<p>10. Fire / Smoke Doors</p>	<p>Marked with words as applicable:</p>  	<p>Application: Instructional sign on doors.</p> <p>Description: 20mm text height. Text high contrast with background.</p> <p>Reference: BCA D2.23 (b)</p>
	<p>Marked with words:</p> 	<p>Application: Warning sign for sliding doors within a firewall. Installed on each side of the doorway located directly over the opening.</p> <p>Description: 50mm text height. Text high contrast with background.</p> <p>Reference: BCA C3.6 (a)(iv)</p>
	<p>Marked with words:</p> 	<p>Application: Warning sign on doors.</p> <p>Description: 5mm text height. Text high contrast with background.</p> <p>Reference: AS1670.1 2004 Clause 3.19</p>
<p>11. Exit and Directional Signs</p>	<p>Pictorial image</p>  <p>(Exit straight on)</p>	<p>Application: Instructional signs above doors and on the wall approximately two metres above ground level. Positioned as appropriate.</p> <p>Description: Minimum pictorial element height for any exit sign shall be 100mm. White on green background.</p>

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<p>11. Exit and Directional Signs</p>	<p>Pictorial image</p>  <p>(Exit left)</p>  <p>(Exit right)</p>	<p>Application: Instructional signs above doors and on the wall approximately two metres above ground level. Positioned as appropriate.</p> <p>Description: Minimum pictorial element height for any exit sign shall be 100mm. White on green background.</p> <p>Reference: AS2293.3 2005 Section 3 BCA E4.5 and E4.6 AS2293.3 2005 Section 3. Figure 3.2.</p>
<p>12. Fire Indicator Panel</p>	<p>Marked with words:</p> 	<p>Application: On cabinet / enclosure or on the door leading to the panel.</p> <p>Description: 50mm text height. Text high contrast with background.</p> <p>Reference: AS1670.1 2004 Clause 3.92</p>
<p>13. Fire Detectors Remote Indicators</p>	<p>Marked with words:</p>  <p>Where “__” is a location descriptor.</p>	<p>Application: On cabinet / enclosure or on the door leading to the panel.</p> <p>Description: 50mm text height. Text high contrast with background.</p> <p>Reference: AS1670.1 2004 Clause 3.92</p>
<p>14. Main Switchboard</p>	<p>Marked with words:</p> 	<p>Application: On or above the switchboard in a prominent location.</p> <p>Description: 10mm text height. Text high contrast with background.</p> <p>Reference: AS/NZ3000 2007 Clause 2.9.2.4 and DFES Operational Requirements.</p>
<p>14. Main Switchboard</p>	<p>Marked with words:</p> 	<p>Application: On the door or next to entrance.</p> <p>Description: 50mm text height. Text high contrast with background.</p> <p>Reference: DFES Operational Requirements.</p>



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15. High Voltage Installations	<p>Marked with words:</p> 	<p>Application: At the entrance to a sub-station.</p> <p>Description: 40mm text height.</p> <p>Reference: AS 3000 2007, 7.6.3(f).</p>
16. Transformer Room	<p>Marked with words:</p> 	<p>Application: On the door or next to entrance.</p> <p>Description: 50mm text height. Text high contrast with background.</p> <p>Reference: DFES Operational Requirements.</p>
17. Pump Room	<p>Marked with words as applicable:</p>   	<p>Application: On the door or next to entrance.</p> <p>Description: 75mm text height. Text high contrast with background.</p> <p>Reference: AS2419.1 2005 Clause 7.7 (d), AS2419.1 2005 Clause 6.4.1 and DFES Operational Requirements.</p>
18. Fire Control Room	<p>Marked with words:</p> 	<p>Application: On the door.</p> <p>Description: 50mm text height. Text high contrast with background.</p> <p>Reference: BCA Spec E1.8 Clause 11.</p>

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<p>19. Lifts</p>	<p>Marked with words:</p> <div data-bbox="539 241 959 405" style="background-color: #cccccc; padding: 10px; text-align: center;"> <p>DO NOT USE LIFTS IF THERE IS A FIRE</p> </div>	<p>Application: On the wall next to the entrance.</p> <p>Description: 8mm or 10mm text height. (Dependent upon material used. Refer BCA Part E3.3). Text high contrast with background.</p> <p>Reference: BCA Part E3.3 and Figure E3.3.</p>
<p>20. Non Required Stairs, Ramps and Escalators</p>	<p>Marked with words:</p> <div data-bbox="528 667 970 871" style="background-color: #ff0000; color: white; padding: 10px; text-align: center;"> <p>DO NOT USE THIS STAIRWAY IF THERE IS A FIRE</p> </div>	<p>Application: On the wall next to the entrance.</p> <p>Description: 16mm or 20mm text height. (Refer BCA Spec D1.12). Text high contrast with background.</p> <p>Reference: BCA Spec D1.12 Clause 2(j) and Figure 2.</p>
<p>21. Gaseous Fire Extinguishing Systems</p>	<p>Refer to Australian Standards with regards to :</p> <p>Marking for the warning and instruction sign.</p> <p>Numbers of containers and quantity marking.</p> <p>Identification and marking of containers.</p> <p>Labelling of indicators and controls.</p> <p>Identification of discharge nozzles.</p>	<p>Application: Refer to AS ISO 14520 2009 for application and placement.</p> <p>Description: Refer to AS ISO 14520 for text details</p> <p>Reference: AS ISO 14520 2009</p>
<p>22. Hard Suction (Storz) Connection</p>	<p>Marked with words:</p> <div data-bbox="571 1442 916 1601" style="background-color: #ff0000; color: white; padding: 10px; text-align: center;"> <p>HARD SUCTION CONNECTION</p> </div>	<p>Application: On cabinet / enclosure</p> <p>Description: 50mm text height. Text high contrast with background.</p> <p>Reference: DFES Operational Requirements. DFES Guidelines GL 08.</p>
<p>23. Gateway to Fence that forms part of the Fire Appliance Access way</p>	<p>Marked with words:</p> <div data-bbox="528 1787 970 1946" style="background-color: #ff0000; color: white; padding: 10px; text-align: center;"> <p>FIRE APPLIANCE ACCESS – KEEP CLEAR</p> </div>	<p>Application: On sign post, secured to the centre of the fence.</p> <p>Description: 50mm text height. Text high contrast with background.</p> <p>Reference: DFES Operational Requirements.</p>

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24. Fire Appliance Hardstand	<p>Marked with words:</p> 	<p>Application: Painted on ground</p> <p>Description: Minimum 20cm text height. Text high contrast with background and hardstand extremities bordered. Preferably yellow.</p> <p>Reference: DFES Operational Requirements. DFES Guidelines GL 11</p>
25. Requirement for 3 rd length of hose.		<p>Application: To be displayed at the applicable hydrant only.</p> <p>Description: In upper case and minimum of 50mm text height for Internal location. Upper case minimum of 75mm text height for External locations.</p>

REFERENCES:

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 2016 (BCA)
DFES Guidelines

LEGISLATION:

Building Act 2011
Building Regulations 2012 (as amended)

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