CHAPTER 6
FIRE FIGHTING SYSTEMS

ROOT OBJECTIVES

The primary intentions of this chapter are encapsulated in the following statements:-

R6.1 Provide appropriate and adequate fire-fighting facilities for occupants to perform initial fire-fighting.

R6.2 Provide appropriate and adequate fire-fighting facilities for fire-fighters to conduct their fire-fighting operations.

R6.3 Provide appropriate and adequate means of alerting occupants and locating of the fire by fire-fighters.

R6.4 Provide, where appropriate, adequate fire suppression systems commensurate with the level of fire safety intended for the building.

SUB-OBJECTIVES

The following criteria define the conditions necessary to fulfil the intentions of this chapter:-

S6.1 Provisions for fire-fighting systems for initial fire fighting by occupants shall be installed appropriate to:-

(i) the nature of the fire hazard in relation to use of the building; and

(ii) the layout and footprint of the floor of the building.

S6.2 Fire fighting systems, including the necessary accessories for fire-fighting operations shall be installed appropriate to:-

(i) the nature of the hazard; and

(ii) the anticipated fire severity; and
(iii) the layout and footprint of the floor of the building; and

(iv) the height above and depth below ground of the building; and

(v) the use of the building; and

(vi) the location, accessibility and availability of the systems.

S6.3 Fire suppression systems to control the spread of fire shall be installed appropriate to:

(i) the nature of the fire hazard; and

(ii) the anticipated fire severity; and

(iii) the fuel and storage configuration; and

(iv) the height above and depth below ground of the building; and

(v) the use of the building.

S6.4 Provisions for appropriate and adequate detection and warning systems to alert occupants, alarm monitoring agents and fire service shall be installed appropriate to:

(i) the occupant characteristics; and

(ii) the nature of the hazard; and

(iii) the anticipated fire severity; and

(iv) the layout and footprint of the floor of the building; and

(v) the height above and depth below ground of the building; and

(vi) the use of the building; and
(vii) locating the fire.