



## 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.