

Category 1 Standard

1-082 Active fire protection systems and portable fire equipment

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MAYOR OF LONDON



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1 Purpose

- 1.1 The purpose of this Standard is to define the parameters that control the provision of active fire protection systems.

2 Scope

- 2.1 This Standard applies to all London Underground. (LU) premises and all work taking place within the boundary of those premises, including railway facilities, but not trains.
- 2.2 The active fire protection systems within the scope of this document include those for fire detection, fire suppression, fixed firefighting equipment, portable firefighting equipment, fire warning systems, and all active systems that may be installed to promote fire safety and secure means of escape in the event of a fire.
- 2.4 This standard replaces 1-082 A1.

3 Requirements

3.1 General Requirements

- 3.1.1 The provisions for fire safety in buildings (other than for stations and the railway), shall be in accordance with the requirements made in the Building Regulations, Approved Document B.
- 3.1.2 The provisions for fire safety, with respect to stations and the railway, shall be in accordance with the recommendations of current editions of the HSE's Railway Safety Principles and Guidance (RSPG).
- 3.1.3 The active fire protection systems and portable fire equipment to be provided shall be those required to support the fire strategy for the premises (see LU Engineering Standard 1-080).
- 3.1.4 The active fire protection provisions and portable fire equipment to be provided shall be designed in accordance with LU Engineering Standard 1-081.

3.2 Water supplies for Fire Brigade use

3.2.1 General

Water supplies for fire-fighting shall comply with the recommendations made in BS 9990.

3.2.2 Fire hydrants & fire main systems

- 3.2.2.1 Fire hydrants and fire main systems shall comply with the recommendations made in BS 9990, with the exceptions detailed in the following clauses of this Standard. Compliance must be achieved for all public areas of the station and such non-public areas that are agreed with the Fire Authority as being of sufficiently high fire risk..
- 3.2.2.2 Fire main outlets (wet or dry) shall be provided near each end of each station platform. The outlets shall be located in a fire-fighting shaft where one is provided. Where no fire-fighting shaft is provided, twin outlets shall be provided on landing valves (each incorporating a twin outlet and a suitable pressure-reducing valve arrangement) on