

Part G

**Guidelines on Fire
Engineering**

This Part contains ten Sections:

- **Section 1 – Introduction**
- **Section 2 – Framework for Fire Engineering**
- **Section 3 – Introduction to Fire Engineering**
- **Section 4 – Methodologies of Fire Engineering**
- **Section 5 – Fire Safety Sub-systems**
- **Section 6 – Design by Fire Engineering**
- **Section 7 – Fire Safety Assessment Report**
- **Section 8 – Bounding Conditions**
- **Section 9 – Computer Models**
- **Section 10 – References**

Section 1 - Introduction

Clause G1.1 Use of this Part

The Guidelines in this Part are developed to:

- (a) provide guidance for complying with the fire safety objectives in the Buildings Ordinance and the Performance Requirements stipulated in Part A; and
- (b) provide a framework for fire engineering to develop an Alternative Solution.

Clause G1.2 Objectives of this Part

The objectives of this Part are to:

- (a) provide guidance for the process of applying fire engineering for fire safety design in buildings; and
- (b) provide guidance on the available methodologies on conducting fire engineering.

Clause G1.3 Limitations of this Part

This Part has inherent limitations, including:

- (a) the Guidelines are not applicable to protect those person(s) directly involved with fire ignition (initiation) (e.g. arson). Fire safety provisions are not generally designed to protect such persons;
- (b) the Guidelines are intended to be used by persons who have adequate qualifications, experience and knowledge in the field of fire engineering; and
- (c) the Guidelines are not applicable for fire hazards related to handling of explosive materials.