

ISO 16732-1:2012-02 (E)

Fire safety engineering - Fire risk assessment - Part 1: General

Contents		Page
Foreword		iv
Introduction		v
1	Scope	1
2	Normative references	1
3	Terms and definitions	1
4	Applicability of fire risk assessment	5
4.1	Circumstances where fire risk assessment provides advantages relative to deterministic fire safety engineering analysis	5
5	Overview of fire risk management	5
6	Steps in fire risk estimation	6
6.1	Overview of fire risk estimation	6
6.2	Use of scenarios in fire risk assessment	7
6.3	Estimation of frequency and probability	9
6.4	Estimation of consequence	12
6.5	Calculation of scenario fire risk and combined fire risk	13
7	Uncertainty, sensitivity, precision, and bias	15
7.1	Elements of uncertainty analysis	15
7.2	Validation and peer review	16
8	Fire risk evaluation	16
8.1	Individual and societal risk	16
8.2	Risk acceptance criteria	17
8.3	Safety factors and safety margins	18
Bibliography		19