ISO/TR 23932-2:2020-03 (E)

Fire safety engineering - General principles - Part 2: Example of a dry-cleaning store

Contents

Page

Foreword iv

Introduction v

1 Scope 1

2 Normative references 1

3 Termsanddefinitions 1

4 Objective 1

5 Example of FSE process applied to a dry-cleaning store 1
5.1 Scope of the project concerning FSE process (ISO 23932-1:2018, Clause 5) 1
5.2 Identification of fire safety objectives (ISO 23932-1:2018, Clause 6) 7
5.2.1 Safety of life 7
5.2.2 Conservation of property 7
5.3 Identification of functional requirements (ISO 23932-1:2018, Clause 7) 8
5.3.1 Occupant protection 8
5.3.2 Protection of neighbours 8
5.3.3 Protection of fire fighters 8
5.3.4 Property protection 8
5.4 Selection of risk analysis approach (ISO 23932-1:2018, Clause 8) 8
5.5 Identification of performance criteria (ISO 23932-1:2018, Clause 9) 8
5.5.1 Protection of occupants of the shop 8
5.5.2 Protection of neighbours 9
5.5.3 Protection of fire fighters 9
5.5.4 Property protection 9
5.6 Fire safety design plan (ISO 23932-1:2018, Clause 10) 9
5.6.1 Development of the proposed solution 9
5.6.2 Description of the management of fire safety 11
5.6.3 Design proposal 11
5.7 Fire and behavioural scenarios (ISO 23932-1:2018, Clause 11) 14
5.7.1 Hazard identification 14
5.7.2 Fire scenarios 14
5.7.3 Behavioural scenarios 17
5.8 Selection of engineering methods (ISO 23932-1:2018, Clause 12) 18
5.9 Scenario-based evaluation of trial design (ISO 23932-1:2018, Clause 13) 18
5.9.1 Quantification of design fire scenarios 18
5.9.2 Comparison with performance criteria 40
5.10 Conditions of use of the built environment (ISO 23932-1:2018, 14.3) 41
5.10.1 Operating conditions 41
5.10.2 Levels and required control frequency 42

Bibliography 43