

# ISO 18639-6:2018-01 (E)

## PPE ensembles for firefighters undertaking specific rescue activities - Part 6: Footwear

---

<b>Contents</b>		<b>Page</b>
Foreword .....		iv
Introduction .....		v
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	2
4	Classification and designs .....	2
5	Sampling and conditioning .....	4
5.1	Sampling .....	4
5.2	Conditioning .....	4
6	Performance requirements .....	4
6.1	General .....	4
6.2	Summary of requirements and classification of specific rescue activities .....	4
6.3	Thermal requirements .....	6
6.3.1	Insulation against heat .....	6
6.3.2	Flame resistance .....	7
6.4	Mechanical protection requirements .....	8
6.4.1	Cut resistance by a hand-held chainsaw .....	8
6.4.2	Metatarsal Protection .....	8
6.4.3	Ankle Protection .....	8
6.5	Environmental protection requirements .....	8
6.5.1	Water resistance .....	8
6.5.2	Electrical properties .....	8
6.6	Visibility requirements .....	8
6.7	Biological and chemical requirements .....	9
6.7.1	Liquid penetration resistance .....	9
7	Marking .....	9
8	Information to be supplied .....	9
8.1	General .....	9
8.2	Antistatic footwear .....	10
8.3	Electrically insulating footwear .....	11
8.4	Insocks .....	11
8.5	Information regarding penetration resistant insert .....	11
Annex A (normative)	Assessment of the footwear by the laboratory during testing for resistance to heat and flame .....	12
Annex B (informative)	Assessment of the footwear by the wearer .....	13
Annex C (informative)	The following drawing can be provided with the user information to assist in assessing the performance of firefighter footwear .....	14
Annex D (informative)	Slip resistance .....	15
Bibliography .....		18