

# ISO 23616:2024-08 (E)

## Cleaning, inspection and repair of firefighters' personal protective equipment (PPE)

<b>Contents</b>		<b>Page</b>
Foreword .....		v
Introduction .....		vi
1	Scope .....	1
2	Normative references .....	1
3	Terms and definitions .....	1
4	General information .....	2
4.1	General .....	2
4.2	Innocuousness .....	3
4.3	Management system .....	3
5	Inspection .....	4
5.1	Routine inspection .....	4
5.2	Advanced inspection .....	4
6	Cleaning and decontamination .....	5
6.1	General .....	5
6.2	Management systems .....	6
6.3	Contamination .....	6
6.4	Cleaning procedures .....	6
6.4.1	General .....	6
6.4.2	Routine cleaning .....	7
6.4.3	Advanced cleaning .....	7
7	Repair .....	7
8	Records .....	8
8.1	General .....	8
8.2	Reporting PPE health and safety concerns .....	8
9	Garment .....	8
9.1	Inspection .....	8
9.1.1	General .....	8
9.1.2	Routine inspection .....	8
9.1.3	Advanced inspection .....	9
9.1.4	Periodic fit for purpose testing .....	10
9.2	Cleaning .....	11
9.2.1	General .....	11
9.2.2	Routine cleaning .....	11
9.2.3	Advanced cleaning .....	11
9.3	Drying .....	12
9.4	Repair .....	13
9.4.1	General .....	13
9.4.2	Basic repair .....	13
9.4.3	Outer/lining .....	13
9.4.4	Moisture barrier .....	13
9.4.5	Hardware .....	14
9.4.6	Reflective trim .....	14

9.4.7	Advanced repair .....	14
10	Glove .....	14
10.1	Inspection .....	14
10.1.1	General .....	14
10.1.2	Routine inspection .....	15
10.1.3	Advanced inspection .....	15
10.2	Cleaning .....	15
10.2.1	General .....	15
10.2.2	Routine cleaning .....	15
10.2.3	Advanced cleaning .....	15
10.3	Drying .....	16
10.4	Repair .....	16
11	Helmet .....	16
11.1	Inspection .....	16
11.1.1	General .....	16
11.1.2	Routine inspection .....	16
11.1.3	Advanced inspection .....	17
11.2	Cleaning .....	17
11.2.1	General .....	17
11.2.2	Routine cleaning .....	18
11.2.3	Advanced cleaning .....	18
11.3	Drying .....	19
11.4	Repair .....	19
12	Footwear .....	19
12.1	Inspection .....	19
12.1.1	General .....	19
12.1.2	Routine inspection .....	20
12.1.3	Advanced inspection .....	20
12.2	Cleaning .....	20
12.2.1	General .....	20
12.2.2	Routine cleaning .....	21
12.2.3	Advanced cleaning .....	21
12.3	Drying .....	21
12.4	Repair .....	21
13	Fire hood .....	22
13.1	Inspection .....	22
13.1.1	General .....	22
13.1.2	Routine inspection .....	22
13.1.3	Advanced inspection .....	23
13.2	Cleaning .....	23
13.2.1	General .....	23
13.2.2	Routine cleaning .....	23
13.2.3	Advanced cleaning .....	23
13.3	Drying .....	24
13.4	Repair .....	24
14	Respiratory protective devices (RPD) .....	24
14.1	General .....	24
14.2	Inspection .....	25
14.2.1	General .....	25
14.2.2	Routine inspection .....	25
14.2.3	Advanced inspection .....	26
14.3	Cleaning .....	27
14.3.1	General .....	27
14.3.2	Routine cleaning .....	27
14.3.3	Advanced cleaning .....	28
14.4	Drying .....	28

**14.5 Repair .....28**  
**Annex A (informative) Records of all items of firefighters' PPE .....29**  
**Annex B (informative) Post incident management of contaminated PPE .....31**  
**Bibliography .....36**