ISO 23616:2024-08 (E)

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

Contents

Page

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**