



SPECIFICATION

Personal Protection Equipment (PPE)

1. Scope

This Specification describes the requirements various Personal Protection Equipment (largely disposable) for occupationally exposed IAEA staff. This equipment is used to protect occupationally exposed workers mainly against the prevailing risk of external and internal exposure to ionizing radiation in accordance with the International Basic Safety Standards.

2. Applicable Documents

The following documents shall be applicable for this Specification to the extent specified hereinafter:

- Radiation Protection and Safety of Radiation Sources: International Basic Safety Standards (BSS) (No. GSR Part 3), published by the IAEA, 2014
- PPE Directive: Personal Protective Equipment (PPE), published by the European Council under Directive 89/686/EEC; and its Guide to the application of the PPE Directive

In the event of conflict between the documents listed above and the content of this Specification, the content of this Specification shall take precedence to the extent of the conflict.

3. Functional and Performance Requirements

The Equipment shall meet barrier and physical properties levels for work in areas of potential exposure to ionizing radiation as defined according to the PPE Directive, or equivalent.

4. Delivery Requirements

The Equipment shall arrive at the IAEA's Head Quarters in Vienna, Austria maximum 5 days after receipt of an order placed by the IAEA.



List of Equipment

	Item Name	Description	PPE Directive Quality Standards
1	Cotton overcoat, white	Cotton (or cotton/polyester) Press stud (snap closure) Long Sleeves Knee long Minimum 1 breast pocket 2 side pockets Sizes: 44 - 62	Cat. II EN 13034: 2009 (type 6)
2	Cotton overall, white	Cotton (or mixed cotton/polyester) Zipper closure Long sleeves Long-legged pants 2 breast pockets 2 side pockets Sizes: 46 - 62	Cat. II EN 13034: 2009 (type 6)
3	Disposable Overall for liquid and particle protection	Elasticized hood, cuffs and ankles Large, easy-grip slider on the zipper Tyvek or equivalent Sizes: S, M, L, XL, XXL	Cat. III EN 1073-2:2002 EN 1149-5:2008 T65 XP
3.1	Disposable Overall for liquid and particle protection Medical env..	Elasticized hood, cuffs and ankles Large, easy-grip slider on the zipper Particle dense Restricted splash dense Tyvek or equivalent Sizes: S, M, L, XL, XXL	Cat. III Infection protection EN 14126:2004 Antistatic EN1149-5
4	Plastic gloves	Latex, disposable gloves Powder free Fully textured surface for good grip Beaded cuff, for added strength and ease in donning Ambidextrous (interchangeable left/right hands) Sizes: S, M, L, XL	Cat. III EN 421:2010 EN 374: 2003
5	Fleece Caps	Elastic band around head One size fits all	Cat. I
6	Lightweight Cotton Liner Gloves	Cotton Length: short, until just below wrist Closed fingers To be used under latex gloves Sizes: S (8), M (10), L (11), XL (12-13)	Cat. I EN 420:2003



7	Heavy leather gloves	Leather Robust; to work in hard conditions (hot/cold weather conditions; to be used during manipulation of heavy instruments and machines) Sizes: M, L	Cat. II EN 388:2003
8	Anti-Splash Hood	Elastic band in face and neck Press stud(s) (snap(s)) in the back, for better fit TYVEK or equivalent One size fits all	Cat. III EN 1073-2:2002 T65XP
9	Head Caps	Elastic band around head One size fits all	Cat. I
10	Disposable Booties, non-slip	Shall have a rough PVC sole for non-slip wear Elastic band at leg opening Elastic band at ankles High leg, approximately 50 cm high TYVEK or equivalent Sizes: M (28 cm), L (34 cm)	Cat. I
11	Disposable Overshoes, non-slip	Shall have a rough PVC sole for non-slip wear Elastic at ankle TYVEK or equivalent Sizes: M (28 cm), L (34 cm)	Cat. I
12	Overall for wet contaminated areas	ProTech 2000 or equivalent Sizes: L (52/54), XL (56/58)	Cat. III EN 1073-2:2002
13	Dust Mask; one time use, disposable	Affinity 2131 Valve MSA or equivalent Filter: FFP3 NR D (MSA Red)	EN 149:2001
14	Rubber full-face mask	Ultra-Elite Mask MSA or equivalent Sizes: S, M	EN 136 Class 3
15	Combination filter unit for full face masks	Ultra-Elite Combination Filters MSA or equivalent Filter: 93 ABEK2Hg; and Filter: 93 Reaktor B/St	EN 14387
16	Particle filter for full face masks	Ultra-Elite P3 PlexTec Mask MSA or equivalent Filter: P3	EN 143:2000



17	Rubber Full-face mask	Advantage 3200 Mask MSA or equivalent Twin bayonet style Sizes: S, M, L	EN 136:1998
18	Rubber Half mask	Advantage 420 Mask MSA or equivalent Twin bayonet style Sizes: S, M, L	EN 140:1998
19	Combination filter for full/half -face masks	Advantage Combination Cartridge MSA or equivalent Filter: A2B2E1K1P3 R Pair, for twin bayonet masks	EN 14387
20	Particle filter for full/half masks	Advantage Dust Cartridge MSA or equivalent: Filter: P3 R High Efficiency Pair, for twin bayonet masks	EN 143:2000
21	Eye Goggles Medical env.	Full protection goggles Side protection Elastic strap Anti-fog	CE EN 166 S, F
