ERICSSON

Personal Protective Equipment

STANDARD

LME-12:001908 Uen Rev A

Contents

1 Introduction

This standard defines the minimum generic PPE requirements.

2 Definitions

“ANSI” means American National Standards Institute

“AS” means American Standards

“BSI” means British Standards Institute

“EN” means European Norms

“ISEA” means International Safety Equipment Association

“ISO” means International Standards Organisation

“PPE” means Personal Protective Equipment

3 Requirements

3.1 General Requirements

The responsible manager shall ensure that:

- no person performs work without applicable, appropriate and approved PPE;
- PPE is available to all employees free of charge;
- all PPE is examined for faults before use and any defective PPE is replaced;
- all PPE shall be used for the intended purpose;
- adequate supervision and training is provided to end users of PPE before use; and
- PPE is in good condition, maintained, stored and tested according to manufacturers recommendations.

NOTE: All PPE shall meet recognized international standards such as but not limited to ANSI, AS, BSI, EN, ISEA, SABS and ISO.

Employees are responsible for:

- Always use PPE where issued;
- Look after the PPE as instructed; and
- Report any defects in their PPE.

3.2 Overview of mandatory use of PPE

- The following table shows examples of when PPE shall be used:

TYPE OF PPE	PPE SHALL BE WORN WHEN
Fall Arrest Equipment	Climbing structures, ladders or working on mobile access platforms higher than 2 meters.

TYPE OF PPE	PPE SHALL BE WORN WHEN
Foot Protection	Climbing structures, repetitive lifting & carrying or working on construction site. Any activity where there is a risk of foot injury from falling objects or sharp objects piercing the sole.
Safety Helmet	Working on construction sites, climbing structures, working below climbers.
Hand Protection	Climbing structures, handling hazardous substances, and working in area where biological hazards are present.
Respiratory Protection	Working in area where biological hazards are present, changing air filters.
Hearing Protection	Where noise levels are at or above 85dB.
Face and Eye Protection	Drilling, using liquid hazardous substances.
Work Clothing	Working outdoors in inclement weather.
High Visibility Vest/Jacket	High Visibility Vest/Jackets shall be worn in high risk working environments.

3.3 Fall Arrest Equipment

The responsible manager shall ensure that as per the local risk assessment, fall protection systems appropriate for the application are selected and used as follows:

- full body harnesses are used (note: body belts are prohibited);
- only connectors which are self-closing and self-locking are used;
- personal fall arrest lanyard shall be rigged such that the employee can neither free fall more than 2 meters nor contact any lower level;
- the anchorage point shall be capable of withstanding the individual load multiplied by the maximum number of personal fall arrest equipment that may be attached to the anchorage connector; and
- equipment shall be inspected at intervals of no more than 1 year (which depending on usage may have to be sooner).

3.3.1 Harness

Figure 1

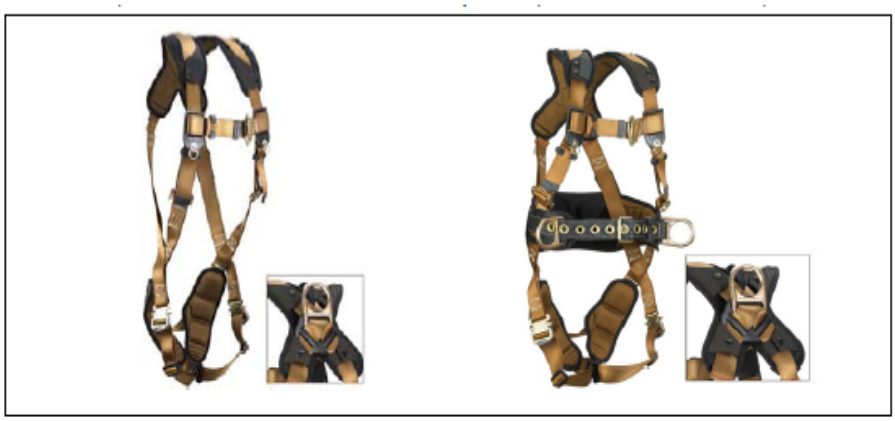

Figure 2

Harnesses shall meet the following requirements:

- The attachment point of the harness shall be located in the center of the wearer's back near shoulder level;
- adjusters shall be capable of withstanding a tensile load of 5,000 lbs (~2200 kg) of force per worker; and
- harnesses subjected to impact loading shall be removed from service.

3.3.2 Lanyards

Figure 3

Lanyards shall meet the following requirements:

- Lanyards shall have a minimum breaking strength of 2,300 kg:
- Connectors shall be sized to be compatible with the connection point to prevent unintentional disengagement;
- Shock-Absorbing lanyards shall limit the maximum arresting force on an employee to 800 kg when used with a body harness;
- Shock-Absorbing Lanyards shall limit maximum deceleration distance to 1 meter;
- Lanyards subjected to impact loading must be removed from service.

3.3.3 Connectors

Figure 4

Connectors shall meet the following requirements:

- international standards as defined in section 3.1; and
- a connector shall be attached to no more than one fall arrest equipment unless certified for such purpose.

3.4 Foot Protection

Figure 5

Footwear shall be designed to provide protection in the following situations:

- manual handling or lifting activities;
- working with sharp objects such as nails or spikes that could pierce the soles or uppers of ordinary shoes;
- exposure to molten metal that might splash on feet or legs;
- working on or around hot, wet or slippery surfaces; and
- working when electrical hazards are present.

3.5 Safety Helmets

Figure 6

The responsible manager shall ensure that all employees wear head protection if any of the following apply:

- objects might fall from above and strike them on the head;
- they might bump their heads against fixed objects, such as exposed pipes or beams; and
- there is a possibility of accidental head contact with electrical hazards.

NOTE: Metal or other alloy tin safety helmets are prohibited.

The safety helmets shall be appropriate for its use and consideration shall be given to commonly used industrial classes, such as but not limited to:

Class A Safety helmet provide impact and penetration resistance along with limited voltage protection (up to 2,200 volts);

Class B Safety helmet provide the highest level of protection against electrical hazards, with high-voltage shock and burn protection (up to 20,000 volts). They also provide protection from impact and penetration hazards by flying / falling objects;

Class C Safety helmet provide lightweight comfort and impact protection but offer no protection from electrical hazards.

Safety helmets shall meet recognized international standards, such as but not limited to:

- ANSI Standard Z89.1-1986 (Protective Headgear for Industrial Workers);
- ISO 3873;
- BS 5240;
- AS 1800; and
- AS 1801.

3.6 Hand Protection

Figure 7

Hand Protection shall meet the requirements of international standards as defined in section 3.

The selected Hand Protection shall be designed for protection against the identified risks, such as but not limited to:

- type of chemical handled;
- nature of contact (total immersion, splash, etc);
- duration of contact;
- area requiring protection (hand only, forearm, arm);
- grip requirements (wet, dry, oily);
- thermal protection;
- size and comfort; and
- abrasion and cut resistance requirements.

3.7 Respiratory Equipment

Figure 8

Respirators shall meet the requirements of international standards as defined in section 3.

The selected Respirator shall be designed for protection against the identified risks, such as but not limited to

- insufficient oxygen environments;
- harmful dusts;
- fogs;
- smokes;
- mists;
- gases;
- vapors; and
- sprays.

3.8 Hearing Protection

Figure 9

Hearing Protection shall meet the requirements of international standards as defined in section 3.

The selected Hearing Protection shall be designed for protection against the identified risks, such as but not limited to:

- any noise level above 85 dB;
- the duration of the noise;
- whether employees move between work areas with different noise levels; and
- whether noise is generated from one or multiple sources.

3.9 Face and Eye Protection

Figure 10

Figure 11

Face and eye protection shall meet the requirements of international standards as defined in section 3.

The selected face and eye protection shall be designed for protection against the identified risks, such as but not limited to:

- dust, dirt, metal or wood chips entering the eye from activities such as chipping, grinding, sawing, hammering, the use of power tools;
- chemical splashes from corrosive substances, hot liquids, solvents or other hazardous solutions;
- objects swinging into the eye or face, such as tree limbs, chains, tools or ropes; and
- radiant energy from welding, harmful rays from use of lasers or other radiant light (as well as heat, glare, sparks, splash and flying article).

3.10 Work Clothing

Work clothing shall be used appropriate to the local weather or working conditions and local risk assessment.

3.11 High Visibility Vest/Jacket

High visibility vest or jacket shall be used when identified by local risk assessment.

4 Records

Records shall be kept of the issue, inspection and maintenance of all PPE.

5 Change information

Revision	Description
A	Initial release