
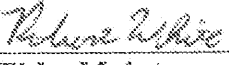
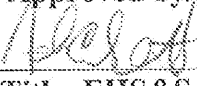
	Standard Operating Procedure Fall Protection		SOP Number G-109	Revision 1
			Effective Date 12/10/25	Page Page 1 of 5
Written by/ Date  11-12-25	Reviewed by/ Date  11-12-25	Approved by/ Date  11-12-25		
Title: Warehouse Manager	Title: Maintenance & Facility Senior Manager	Title: EHS&S Manager		

1.0 Purpose

To establish a standardized procedure for using and inspecting fall protection harnesses used by HBI Ion Labs personnel, ensuring safety and equipment integrity in compliance with OSHA regulations and internal safety protocols.

2.0 Scope

This SOP applies to all employees, supervisors, and safety personnel responsible for using, inspecting, or managing fall protection harnesses within the warehouse, production or any area requiring fall protection.

3.0 Responsibility

- 3.1 It is the responsibility of the operating personnel to perform a visual inspection of the harness before use and report any irregularities to the manager.
- 3.2 It is the responsibility of the EHS&S Manager and the department manager to conduct and document a quarterly formal inspection of all fall protection harnesses
- 3.3 It is the responsibility of the department supervisor, manager or lead to ensure this procedure is being followed and defective harnesses are reported.

4.0 Definitions

- 4.1 **Fall Protection Harness:** A full-body harness used as part of a fall arrest system to protect personnel from injury during a fall
- 4.2 **Pre-use Inspection:** A visual check performed by the user before each use of the harness

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4.3 **Formal Inspection:** A detailed inspection conducted quarterly by Safety or department leadership.

5.0 References

- 5.1 OSHA Standard 29 CFR 1926.502 – Fall Protection Systems Criteria and Practices
- 5.2 ANSI Z359.1 – Safety Requirements for Personal Fall Arrest Systems
- 5.3 Manufacturer Instructions and Guidelines
- 5.4 G-104, SOP, Lock Out / Tag Out Procedure

6.0 Procedure

6.1 In accordance with OSHA regulations (29 CFR 1910.28 and 1910.29), operators are required to wear a full-body safety harness with a properly secured lanyard when operating elevated equipment without guardrails in place such as cherry pickers or where there is a risk of falling 4 feet or more to a lower level. The harness must be attached to a manufacturer-approved anchor point on the equipment. Fall protection must be used at all times while elevated, including during travel and stationary work. All equipment must be inspected before use, and harnesses must be worn, adjusted, and secured per manufacturer guidelines. A harness is not needed when operating a scissor lift or the turret truck as long as the equipment has adequate guard rails.

6.2 Pre-Use Inspection (Daily)

6.2.1 Employees/Operators must inspect their fall protection harness before each use, checking the following:

6.2.2 Webbing / Straps

- No cuts, frays, tears, or abrasions

- No burns, chemical stains, or brittleness
- Stitching is intact
- No mold or other contaminants
- No stiffness or brittleness

6.2.3 D-Rings and Metal Hardware

- No rust, cracks, or deformation
- No sharp edges or burns
- D-rings move freely

6.2.4 Buckles and Adjusters

- Buckles operate smoothly
- All parts present and undamaged
- Adjuster hold securely

6.2.5 D. Tags and Labels

- Manufacturers label is legible
- Serial number and capacity info intact

Note: If any issues are identified, the harness must be immediately tagged as “**DO NOT USE – OUT OF SERVICE**” and reported to a supervisor. Follow LOTO guidelines listed in G-104.

6.3 Quarterly Formal Inspections

6.3.1 The Quarterly formal inspection will be conducted by the EHS&S Manager, department manager or designated leadership of the area. The formal inspection will be documented electronically in RedZone

6.3.2 Use the quarterly inspection checklist in RedZone, which will be used as the official documented check and lists all the same checks listed above for the daily visual inspection

6.3.3 Check all components listed in detail

6.3.4 Review expiration date or service life based on manufacturers guidelines

6.3.5 Confirm the harness has not been involved in a fall event

6.3.6 Confirm correct storage practices

6.3.7 Each inspection must be documented

- Harness ID / Serial Number
- Inspection Date
- Inspectors name or unique identifying number
- Pass/Fail status

6.4 Storage Requirement

6.4.1 Store in a clean, dry area away from sunlight, chemicals, or extreme heat

6.4.2 Do not hang harnesses by straps – Use D-rings or designated hooks

6.5 Removal from Service

6.5.1 A harness must be immediately removed if:

6.5.1.1 It fails inspection

6.5.1.2 It has been involved in a fall

6.5.1.3 Tags are missing or unreadable

6.5.1.4 It exceeds manufacturers' service life

6.5.1.5 Unauthorized modifications are observed

Note: Follow LOTO guidelines listed in G-104 for Tag all removed harnesses:

“DO NOT USE – OUT OF SERVICE”

7.0 Records and Documentation

7.1 All quarterly formal inspection records shall be maintained in accordance with HBI Ion Labs and OSHA requirements

8.0 Training

8.1 All employees using fall protection equipment must receive this training

8.0 Revision History

Revision	Date	Description of Changes	CCR #	By
0	08/25/25	New	N/A	J. Murphy
1	11/08/25	Remove the need for harness when operating a lift with adequate guard rails. Osha does not require	CC-25-0455	J. Murphy