

	AI TAKAMUL COMPANY FOR ENGINEERING TESTS AND PROFESSIONAL SAFETY LIMITED Lifting Inspection	Doc No: QC-LIF-P-022
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Title: Inspection Procedure of	Safety Harness and lanyards	Rev: 2
Established By: Ashraf Elsaid	Position: Lifting Supervisor	Date: JULY-2022
Approved By: Ahmed Mohamed	Position: Operation Manager	

Inspection Procedure of Safety Harness and lanyards

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1. YOUR SAFETY IS FIRST:

Your safety wear is mandatory at job sites including in general: suit, shoes, helmet, gloves, ear plugs, glasses, and mask.

2. SCOPE:

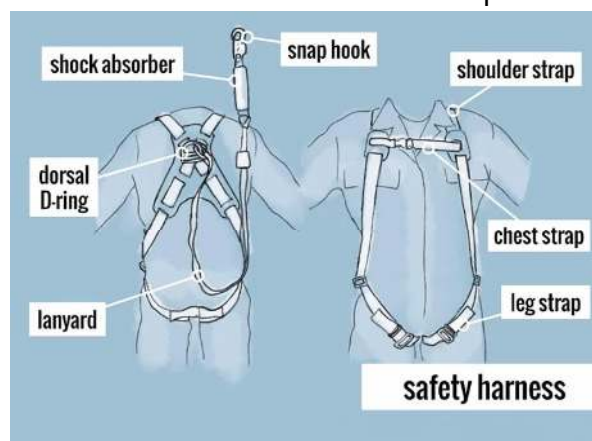
This Procedure covers the inspection of fall protection equipment: full body harnesses and lanyards.

3. PRODUCT/ MANUFACTURE STANDARDS:

BS EN 361:2002	<i>Personal protective equipment against falls from a height — Full body harnesses</i>
BS EN 365:2004	<i>Personal protective equipment against falls from a height — General requirements for instructions for use, maintenance, periodic examination, repair, marking and packaging</i>
<i>Occupational Safety and Health Administration - OSHA</i>	<i>Occupational Safety and Health Administration – Harness and lanyard inspection guidelines</i>

4. DEFINITION:

A full body harness is a body-holding device used to protect users from falls by distributing the force of the fall over a large area of the body, ensuring that the subject of the fall remains suspended in an upright position after the fall has occurred. An energy-absorbing lanyard is a line for connecting a full body harness to an anchorage point with an inbuilt device that reduces the impact of a fall



5. INTERVALS OF PERIODIC EXAMINATION:

Safety harness and lanyards shall be periodically examined at intervals not exceeding **six months**, this period may be reduced depending on the frequency of use of fall protection equipment, and the working environment where these equipment are used.

Fall protection equipment shall be inspected:

- Before each use, as per 6.1.
- Periodically at intervals mentioned in this paragraph, and as per 6.2.

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6. PRE-USE CHECKS AND PERIODIC EXAMINATION:

6.1. PRE-USE CHECKS:

Safety harness and lanyards shall be checked, a full-body inspection at adequate lighting is performed to detect: missing or illegible marking, edge cuts, abrasion wear, UV degradation, softening or hardening (brittleness) of material, burns, presence of contaminants.

Safety harness and Lanyards should be withdrawn from service to be further examined by a competent person if:

- There is no record that the fall protection equipment has been examined by a competent person within the examination interval (6 months)
- Marking, as per 7. MARKING, is not clear or legible
- Is considered to be defected, or there is a doubt about its integrity / safety.

6.2. PERIODIC EXAMINATION:

Safety harness and lanyards shall be periodically examined at intervals mentioned in *para 5*.

Inspection points shall include the following:

- Marking, as per 7. Marking – taking into consideration, if applicable, service life expire date
- Webbing: webbing shall be visually inspected on both sides, also the webbing shall be inspected manually (by hand and bending the webbing – inspection by touch) to detect defects that may not be detected visually, the webbing shall be free of the following defects: cuts, tears, broken fibres, damaged fibres, distortion, modification / repair performed by personnel other than manufacturer without permission / repair instructions of the manufacturer, abrasion, softening or hardening (brittleness) of webbing material resulting from heat or UV effects, burns, charring, melting, stretching, discoloration / hard / shiny spots resulting from heat damage, sharp contaminants, (pulled / missing stitching / cut) stitching.
- Hardware (Buckles, Dee rings, mating links, snap hooks, webbing grommets): Hardware shall be visually and manually (touch) inspected, the hardware shall be free of the following defects: Body distortion (bending, twisting, etc.), surface corrosion, cracks, breaks, nicks, sharp / rough edges which may harm the person and/or the webbing, modification / repair performed by personnel other than manufacturer without permission/repair instructions of the manufacturer.
- Working condition: all parts shall operate freely and correctly.

7. MARKING:

Safety harnesses and lanyards shall be clearly, permanently, and legibly marked (tagged) with at least the following information:

- Name of manufacturer
- Serial number
- Identification of the type and model
- The standard to which the equipment conforms, e.g. EN 361
- Methods (e.g. pictograms) showing safety instructions, limitations, and warnings.

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8. REPORTING AND CERTIFICATION:

A certificate of test and thorough examination will be issued upon the satisfactory completion of the examination, i.e. the lifting equipment is safe to operate

A defect report will be issued if the lifting equipment fails to meet the requirements.