

# Fall Protection Equipment Inspection & Management

Guy's Construction  
123 Main Street, Anytown, CA 90210

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29 CFR 1926.502 / ANSI Z359

Effective Date: June 08, 2026

**SAMPLE DOCUMENT - NOT FOR COMPLIANCE USE**

## JURISDICTION AND REGULATORY FRAMEWORK

- 29 CFR 1926.502: fall protection systems criteria and practices
- ANSI Z359.1: safety requirements for personal fall arrest systems
- ANSI Z359.11: SRL requirements
- ANSI Z359.12: connecting subsystem requirements (lanyards)
- ANSI Z359.14: SRL-P (personal) requirements

### STATE-SPECIFIC: California has additional requirements:

- T8 CCR 1670: full body harness mandatory (body belts prohibited)
- maximum arresting force on an employee to 1,800 pounds when used with a body harness
- maximum arresting force on an employee to 1,800 pounds when used with a body harness
- T8 CCR 1670(b)(11)(A): max 1800 lb arresting force with body harness
- limit maximum arresting force on employee to 1,800 pounds when used with body harness
- as Level A foot protection
- at least three and one-half inches (9 cm) high from the top edge of the toeboard to the level of the walking/working surface
- the mine opening with incombustible air ducts
- Louisiana Office of Conservation, Pipeline Division
- affidavit of completion stating the operator designed and installed the crude oil transfer line or produced water transfer system in compliance
- Cal/OSHA T8 Section 1670(a): fall restraint systems as approved fall protection method
- rigged to allow the movement of employees only as far as the sides of the working level or working area
- body belts or harnesses may be used
- requirements of Section 1670
- Helmet
- 150 lbs.
- adequate fire fighting resources
- acceptable only if approved as defined in § 1910.399
- to its lessors of such tracts
- 12 hours of the discovery of any oil discharge in Higher Volume Port Areas
- at or near the working level
- scaffolds and falsework will be prevented from swaying, tipping, or collapsing
- capable of supporting 4 times the intended load
- capable of supporting 4 times the intended load
- tipping or turning of scaffold leading to fall
- the same points of anchorage
- how much boom is available for use
- hazards associated with fluorine compounds including eye and respiratory tract effects (when brazing and gas welding fluxes contain fluorine)
- supplemented by at least one additional safety measure that provides a level of safety equivalent to that obtained by the use of a lock

- a trial lift with the personnel platform on each shift before lifting personnel to check crane/equipment setup and configuration, load capac

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## 1.0 PURPOSE AND SCOPE

This program establishes procedures for inspecting, maintaining, tracking, and retiring fall protection equipment on Guy's Construction projects.

1926.502

- body harness required (body belt prohibited since Jan 1, 1998)

29 CFR 1926.502(d)

- an anchorage, connectors, a body belt or body harness

29 CFR 1926.500

- PFAS anchorage: 5,000 lb capacity per attached employee. Vessel structures used as anchor points must be evaluated for capacity considering vessel condition and corrosion. Body harness required (no bo

29 CFR 1915.159

- max arresting force 1,800 lbs with body harness

29 CFR 1926.502(d)(16)(ii)

- maximum arresting force of 1,800 pounds with body harness

29 CFR 1926.502(d)(16)(iii)

## 2.0 EQUIPMENT INVENTORY AND TRACKING

- Every piece of fall protection equipment receives a unique ID (engraved, barcoded, or tagged)
- Equipment log tracks: ID, type, manufacturer, model, date of manufacture, date placed in service, inspection dates, assigned user (if applicable)
- Remove from service and destroy: any equipment that fails inspection, has been involved in a fall arrest event, or exceeds manufacturer's service life

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### 3.0 PRE-USE INSPECTION PROCEDURES

**Every user must inspect their fall protection equipment before each use. This is the user's responsibility and is non-delegable.**

- Visual and tactile inspection of all components
- Check manufacturer's label: readable, equipment not expired
- If ANY defect is found: remove from service, tag as defective, report to supervisor

### 4.0 COMPETENT PERSON INSPECTION

- Formal documented inspection by a competent person: per manufacturer's recommendation (typically every 6-12 months)
- Competent person: trained by manufacturer or qualified third party to inspect the specific equipment
- Documented on inspection form (Appendix A/B)

### 5.0 EQUIPMENT AFTER A FALL EVENT

**Any equipment involved in arresting a fall must be immediately removed from service and destroyed. No re-use. No exceptions. 29 CFR 1926.502(d)(21).**

- Tag and remove immediately after a fall arrest event
- Do not re-use, re-certify, or re-inspect - destroy the equipment
- Document: date, user, equipment IDs, type of fall, free-fall distance

*29 CFR 1926.502(d)(21)*

## 6.0 BODY HARNESS INSPECTION CRITERIA

Component	Inspect For	Reject If
Webbing	Cuts, fraying, abrasion, UV damage, chemical damage, heat damage, pulled stitching	Any cut >1/16 in deep, >25% of width frayed, discoloration from chemical/heat
Stitching	Broken, pulled, or cut stitches in all load-bearing seams	Any broken load-bearing stitches
D-rings	Cracks, distortion, corrosion, sharp edges, proper movement	Any crack, deformation >5%, rough/sharp edges
Buckles	Operation, tongue condition, roller movement, frame cracks	Buckle does not lock, frame cracked, tongue bent
Labels	Legible manufacturer label, date of manufacture, model	Label missing or unreadable
Grommets/rivets	Loose, bent, corroded, missing	Any loose or missing grommet/rivet

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## 7.0 LANYARD AND SRL INSPECTION CRITERIA

### 7.1 Shock-Absorbing Lanyards

- Web/rope: cuts, fraying, abrasion, knots, chemical/heat damage
- Shock absorber pack: deployed indicator (if equipped), tears, stitching integrity
- Snap hooks: gate operation (closes and locks fully), distortion, corrosion, nose damage
- Reject if: shock absorber has been deployed (or deployment indicator shows), any snap hook does not self-close and lock

### 7.2 Self-Retracting Lifelines (SRL)

- Housing: cracks, dents, corrosion, mounting hardware
- Lifeline (cable or web): retraction/extension smooth, no fraying, kinks, or bird-caging (cable)
- Locking mechanism: test by pulling sharply - must lock immediately
- Snap hook/carabiner: same criteria as lanyards
- Annual manufacturer inspection recommended for SRLs
- Reject if: does not retract smoothly, does not lock on sharp pull, any cable damage

## 8.0 ANCHORAGE AND CONNECTOR INSPECTION

- Anchorage points: rated for 5,000 lbs per attached employee (or designed by PE with 2:1 safety factor)
- Beam clamps, beam straps, roof anchors: inspect mounting hardware, check for movement/looseness
- Concrete anchors: torque test per manufacturer specification
- Temporary anchors: inspect before each use. Permanent anchors: annual inspection by competent person.

29 CFR 1926.502(d)(15)

## 9.0 STORAGE AND CARE

- Store in clean, dry area away from chemicals, UV exposure, heat, and sharp edges
- Hang harnesses; do not pile on the floor or in toolboxes
- Clean per manufacturer instructions (typically mild soap and water, air dry)
- Never modify equipment (cut webbing, add holes, paint over labels)
- Keep away from welding sparks, cutting torch slag, and chemical splash

## 10.0 TRAINING

- All users: pre-use inspection procedure, proper donning/doffing, anchorage selection
- Competent persons: formal inspection training from manufacturer or qualified provider
- Equipment-specific: each type of equipment the user will use (harness, SRL, lanyard, anchorage)
- Refresher: when new equipment is introduced or deficiencies are observed

## 11.0 RECORDKEEPING

Record	Retention	Notes
Equipment inventory/tracking log	Life of equipment + 1 year	Per equipment ID
Pre-use inspection (user)	Not documented formally	User responsibility
Competent person inspection forms	Life of equipment + 1 year	Per inspection cycle
Fall event equipment removal records	5 years	Per event
Training records	Duration of employment	All users + competent persons
Manufacturer recalls/bulletins	Life of equipment	Monitor manufacturer

## APPENDIX A: HARNESS INSPECTION FORM

Equipment ID:	_____	Manufacturer/Model:	_____
Date of Mfr:	_____	Date In Service:	_____
Assigned To:	_____	Inspector:	_____
Inspection Date:	_____	Next Due:	_____

Component	Inspect For	Pass	Fail	N/A
Webbing (all straps)	Cuts, fraying, abrasion, UV/chemical damage			
Stitching (all load-bearing)	Broken, pulled, cut stitches			
Dorsal D-ring	Cracks, distortion, corrosion, movement			
Sternal D-ring (if equipped)	Cracks, distortion			
Side D-rings (if equipped)	Cracks, distortion			
Buckles (all)	Lock, tongue, roller, frame			
Labels	Legible, date readable			
Grommets/rivets	Loose, bent, missing			
Overall condition	Clean, no modifications, no paint/chemical residue			

Result:  PASS - Return to service  FAIL - Remove and destroy  Needs repair (send to manufacturer)

Competent Person Inspector: \_\_\_\_\_ Date: \_\_\_\_\_

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**APPENDIX B: SRL/LANYARD INSPECTION FORM**

Equipment ID: \_\_\_\_\_ Type:  Lanyard  SRL  SRL-P  
 Manufacturer/Model: \_\_\_\_\_ Date of Mfr: \_\_\_\_\_  
 Inspector: \_\_\_\_\_ Date: \_\_\_\_\_

Component	Inspect For	Pass	Fail	N/A
Lifeline/web	Cuts, fraying, kinks, bird-caging (cable)			
Retraction/extension	Smooth operation, no binding			
Locking mechanism	Locks on sharp pull			
Snap hooks/carabiners	Gate closes and locks, no distortion			
Shock absorber (if equipped)	Deployment indicator, pack integrity			
Housing (SRL)	Cracks, dents, corrosion, mounting hardware			
Labels	Legible, not expired			

Result:  PASS  FAIL - Remove and destroy  Send to manufacturer for service

Competent Person Inspector: \_\_\_\_\_ Date: \_\_\_\_\_

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