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FALL PROTECTION EVALUATION GUIDELINES



Society of Professional Rope Access Technicians

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Table of Contents:

1. Purpose and Scope	3
2. Responsibilities of Involved Parties	3
3. Written Test Information	5
4. Fall Protection Evaluation Policies and Procedures.....	7
5. Introduction to Fall Protection Exercise Supplementary Information and Evaluation Criteria.....	8
6. Fall Protection Exercise Supplementary Information	10
7. Fall protection Evaluation Site Requirements and Recommendations	17
Appendix 1. Equipment Information	21

Notes for Usage:

For the most recent [standards versions, supporting documentation, and news](https://sprat.org), visit <https://sprat.org>.

Terminology from SPRAT's *Defined Terms* used in this document is shown in ***bold, italic*** type unless written in a primary section heading.

Usage of the word 'shall' denotes a mandatory requirement.

Usage of the word 'should' denotes a recommendation. The word 'should' does not connote indifference or ambivalence regarding a statement.

Approximate conversions of units are presented in parentheses. These approximations are provided as a reference and are not to be considered the standard. When a value is presented as a limit, approximations are greater than an expressed minimum or less than an expressed maximum

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1. Purpose and Scope

1.1. Purpose

- 1.1.1. This document serves as a supplement to SPRAT's *Fall Protection Certification Requirements* and is to be used in conjunction with other SPRAT standards and supplements.
- 1.1.2. The purpose of this document is to provide candidates, Evaluation Session Hosts, and Evaluators with the information and resources needed to fulfill their responsibilities within SPRAT's fall protection certification program.

1.2. Scope

- 1.2.1. The document provides:
 - 1.2.1.1. The responsibilities of involved parties.
 - 1.2.1.2. Written test administrative policies and procedures.
 - 1.2.1.3. Fall protection evaluation administrative policies and procedures.
 - 1.2.1.4. Fall protection evaluation criteria and training considerations.
 - 1.2.1.5. Fall protection evaluation site and equipment requirements and recommendations.
- 1.2.2. The appendix in this document provides:
 - 1.2.2.1. General pre-use inspection criteria for fall protection equipment and systems
 - 1.2.2.2. Fall protection equipment and system templates for the evaluation site's fall protection plan.

2. Responsibilities of Involved Parties

2.1. Candidate Responsibilities

- 2.1.1. Prior to participating in a fall protection evaluation, a candidate shall:
 - 2.1.1.1. Provide proof of age and identification.
 - 2.1.1.2. Receive training meeting requirements of Section 3.2.3 of *Fall Protection Certification Requirements*.
 - 2.1.1.3. Complete the written test requirements in accordance with Section 3.
 - 2.1.1.4. Ensure their personal data is accurate in SPRAT's system.
 - 2.1.1.5. Complete the Candidate Affidavit.
- 2.1.2. During a fall protection evaluation, a candidate shall:
 - 2.1.2.1. Conduct themselves in a professional manner towards their Evaluation Session Host, Evaluator, and fellow candidates throughout the fall protection evaluation.
 - 2.1.2.2. Adhere to performance principles in Section 4 of *Fall Protection Certification Requirements*.
 - 2.1.2.2.1. A candidate's evaluation is considered complete when they and the Evaluator have signed the Technician Evaluation Form.
- 2.1.3. After a fall protection evaluation:
 - 2.1.3.1. Candidates should provide feedback regarding the fall protection session to the SPRAT Office.
 - 2.1.3.2. Successful candidates should maintain their certification.
 - 2.1.3.3. Candidates unsuccessful during a written test or fall protection evaluation should retest in accordance with Section 3.4 and Section 4.3, respectively.

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2.2. Fall protection evaluation Host Responsibilities

2.2.1. Prior to hosting a fall protection evaluation, an Evaluation Session Host shall:

- 2.2.1.1. Maintain a Company or Company Premier membership with SPRAT.
- 2.2.1.2. Ensure a Host Agreement for the current calendar year has been submitted to and approved by the SPRAT Office.
- 2.2.1.3. Ensure insurance documentation has been submitted to and approved by the SPRAT Office in accordance with SPRAT's *Evaluation Session Insurance Policy*.
- 2.2.1.4. Provide or ensure provision of a fall protection evaluation site meeting the requirements of Section 7, including the fall protection plan requirements of Section 7.4.1.
- 2.2.1.5. Establish an evaluation session and assign an evaluator in SPRAT's system.
- 2.2.1.6. Schedule an evaluator to conduct the evaluation session.
- 2.2.1.7. Ensure accommodation in a fall protection evaluation for all candidates in accordance with Section 4.
- 2.2.1.8. Assist candidates with entering or updating personal information in SPRAT's system.
- 2.2.1.9. Ensure candidates meet eligibility and training requirements of Section 3 of *Fall Protection Certification Requirements*.

2.2.2. During a fall protection evaluation, an Evaluation Session Host shall:

- 2.2.2.1. Provide or ensure provision for prompt rescue.

2.2.3. Following a fall protection evaluation, an Evaluation Session Host shall:

- 2.2.3.1. Provide payment of fall protection evaluation fees in a timely manner.
- 2.2.3.2. Provide feedback regarding fall protection evaluations to the SPRAT Office.
- 2.2.3.3. Assist with the submittal and investigation of appeals and complaints.
- 2.2.3.4. Evaluator Responsibilities

2.2.4. Prior to administering a fall protection evaluation, an Evaluator shall:

- 2.2.4.1. Maintain an Evaluator appointment in accordance with approved procedures.
- 2.2.4.2. Ensure Evaluation Session Hosts and candidates meet eligibility requirements.
- 2.2.4.3. Verify that a fall protection evaluation site meets requirements.

2.2.5. During the fall protection evaluation, an Evaluator shall:

- 2.2.5.1. Administer fall protection evaluations in accordance with approved procedures.
- 2.2.5.2. Observe candidates' adherence to performance principles of Section 4 of *Fall Protection Certification Requirements*.
- 2.2.5.3. Issue and explain session results to candidates and Evaluation Session Hosts.

2.2.6. Following a fall protection evaluation, an Evaluator shall:

- 2.2.6.1. Submit fall protection evaluation documentation to the SPRAT Office.

2.3. SPRAT Office Responsibilities

2.3.1. The SPRAT Office shall:

- 2.3.1.1. Assist with general certification program enquiries.
- 2.3.1.2. Review, approve, and manage Evaluation Session Host information.
- 2.3.1.3. Compile and store fall protection evaluation and written test information.
- 2.3.1.4. Collect and manage fees associated with certification processing.
- 2.3.1.5. Process certification documentation for all successful candidates.
- 2.3.1.6. Manage verification of current and expired SPRAT certifications.

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3. Written Test Information

3.1. General

- 3.1.1. The fall protection written test evaluates candidates' understanding of SPRAT standards and supplements, including:
 - 3.1.1.1. *Fall Protection Certification Requirements*
 - 3.1.1.2. *Fall Protection Evaluation Guidelines*
 - 3.1.1.3. *Clearance Requirement Guidelines*
 - 3.1.1.4. *Defined Terms*
- 3.1.2. Candidates may consult SPRAT standards and supplements during the written test.
- 3.1.3. A score of 80% or better constitutes a passing score for the written test.
- 3.1.4. The test is comprised of 50 multiple choice and true-false questions.
 - 3.1.4.1. Candidates must answer at least 40 questions correctly to pass the written test.
- 3.1.5. There is only one correct answer for each question.
- 3.1.6. Candidates have one hour to complete the written test.

3.2. Written Test Administration

- 3.2.1. Written tests should be taken online.
 - 3.2.1.1. Written tests may be paper-based.
- 3.2.2. Written tests shall be administered by an evaluator or a designated **proctor**.
 - 3.2.2.1. A **proctor** may be designated by an evaluator or the SPRAT Office.
 - 3.2.2.2. The evaluator or **proctor** shall:
 - 3.2.2.2.1. Verify candidate identity and entered personal information.
 - 3.2.2.2.2. Ensure no discussion among candidates during the written test.
 - 3.2.2.2.3. Ensure no test materials are copied.
- 3.2.3. A candidate may have the test read to them.
- 3.2.4. If a candidate does not understand a question, clarification may be provided.

3.3. First Written Test Attempt

- 3.3.1. A candidate shall complete the written test prior to participating in the fall protection evaluation.
- 3.3.2. The written test shall be completed no more than three days prior to the date of the fall protection evaluation.
- 3.3.3. A candidate is permitted one opportunity to take the written test prior to the fall protection evaluation.
- 3.3.4. A failed written test does not prevent a candidate from participating in the field evaluation.

3.4. Second Written Test Attempt

- 3.4.1. A candidate who has not passed the written test prior to successful completion of the fall protection evaluation has one opportunity to retake the written test within 60 days to obtain a certification without reattending an evaluation session.
- 3.4.2. If a candidate successfully completes the second written test attempt, the date of successful completion of the fall protection evaluation is used for the purposes of determining the expiration of the certification.
- 3.4.3. A candidate that fails to successfully complete the second written test must retake, in their entirety, both the written test and the fall protection evaluation, in order to obtain a certification.

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3.5. Online Written Tests

3.5.1. Candidates shall complete an online written test affidavit prior to taking the written test.

3.5.2. The SPRAT Office will provide online written test codes to evaluators, Evaluation Session Hosts, and **proctors**.

3.5.3. Results of written tests taken online are sent to the candidate and the evaluator or proctor that administers the written test.

3.5.3.1. Candidates should retain copies of their test results to present to the Evaluator.

3.6. Paper-based Written Tests

3.6.1. Written tests and answer keys shall remain secured and unavailable to a candidate prior to taking a paper-based written test.

3.6.2. Candidates should ensure that they are marking their desired answer.

3.6.2.1. If a candidate wants to change their answer, they must X out the undesired answer and clearly mark the desired answer.

3.6.2.2. If a candidate wishes to return to a previously selected answer, they should mark this answer in a clear manner.

3.6.3. Unanswered questions will be considered as incorrect.

3.6.4. Written tests taken on paper should be graded immediately.

3.6.4.1. The correct answer for each incorrect question shall be marked.

3.6.4.2. The test grade percentage shall be written on top of the answer sheet.

3.6.5. Candidates shall have the opportunity to review their written test.

3.6.5.1. Candidates should place their initials adjacent to questions answered incorrectly.

3.6.6. The **proctor** shall complete and sign SPRAT's Proctor Affidavit.

3.6.7. The **proctor** shall return all testing materials to the Evaluator.

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4. Fall Protection Evaluation Policies and Procedures

4.1. General evaluation information

4.1.1. A fall protection evaluation shall consist of no more than eight candidates.

4.1.2. An Evaluator may administer two fall protection evaluations or one fall protection evaluation and a rope access evaluation in one day.

4.2. Fall protection exercise constraints

4.2.1. Candidates may consult SPRAT documentation during the fall protection evaluation.

4.2.2. Candidates shall have no more than one attempt to complete each exercise.

4.2.3. Candidates shall have no more than 20 minutes to complete each exercise.

4.2.4. Exercises shall not be combined.

4.3. Fall protection evaluation results

4.3.1. Successful completion of the fall protection evaluation and written test

4.3.1.1. Provisional certification information is available on SPRAT's website and within each certified user's account after results are submitted to the SPRAT Office.

4.3.1.1.1. Provisional certification is valid for 60 days from the date of the certification.

4.3.1.2. Certificates within a certified user's account are available and certification ID cards are processed after the SPRAT Office has received fall protection evaluation fees and verified certification information.

4.3.2. Failure of the written test (See Section 3.4)

4.3.3. Failure of the fall protection evaluation

4.3.3.1. Following failure of a fall protection evaluation, a candidate shall wait at least three days before retesting.

4.3.3.2. Results from a previous fall protection evaluation may not be used to fulfill requirements during a subsequent fall protection evaluation.

4.3.3.3. Following failure of a fall protection evaluation, a previously attained current certification remains valid.

4.4. Complaints and Appeals.

4.4.1. The process for submitting complaints and appeals is provided in Section 7 of *Fall Protection Certification Requirements*.

4.4.2. Complaints and appeals must be submitted within 60 days of a fall protection evaluation.

4.4.3. If a complaint is lodged against an Evaluator, the SPRAT Office shall anonymize the complaint and supporting documentation, as appropriate, and provide the redacted information to the Evaluations Committee.

4.4.4. Complaints and appeals may only be addressed one time by the Evaluations Committee and/or Board of Directors.

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5. Introduction to Fall Protection Exercise Supplementary Information and Evaluation Criteria

5.1. The following table provides a list of exercises in the *Fall Protection Certification Requirements*, presented with more information in the next section.

FPCR #	Exercise
6.1	Energy absorbing lanyard and <i>backup system</i> exercise
6.2	Energy absorbing lanyard and <i>descent mode</i> exercise
6.3	Overhead self-retracting device exercise
6.4	Personal self-retracting device exercise
6.5	Ladder safety (fall arrest) system exercise
6.6	Horizontal Lifeline exercise
6.7	Travel Restraint exercise

5.2. The following table provides template details of the exercise information in the next section.

Exercise: Requirement as stated in *Fall Protection Certification Requirements*

Example of Successful Completion of Exercise:

An example of how to complete each exercise. The symbols used in each table are defined by the following legend:

Legend	
⊙	Pre-use inspection
↑	Moving up with system
+	Attaching equipment or establishing system
↔	Moving horizontally with system
↕	Moving up or down with system
-	Removing equipment or deconstructing system
↓	Moving down with system
↔←	Adjusting system
↗	Transfer

Interpretation and Training Considerations:

Interpretation by the Evaluations Committee is provided for exercise requirements.

Considerations and lessons are presented for preparing a candidate for a fall protection evaluation.

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5.3. Evaluation Criteria

- 5.3.1. The following table presents examples of grading examples for the fall protection evaluation.
- 5.3.2. Criteria are derived from performance principles of Section 4 of *Fall Protection Certification Requirements*.
- 5.3.3. There may be aggravating or mitigating circumstances that cause an Evaluator to deviate from this guidance.
- 5.3.4. SPRAT's *Evaluation Session Rubric* provides additional examples of pass, **discrepancy**, and **fail** for a candidate's performance

	Fail examples	Discrepancy examples
General	Exercise not completed within 20 minutes No fall protection in fall zone	Exercise not completed within 15 minutes Violation of fall protection plan Inappropriate connection to harness Harness fitted or worn incorrectly Cross-loaded carabiner
Energy absorbing lanyard	Free fall potential ≥ 2.0 m (6.5 ft)	Free fall potential ≥ 1.8 m (5.9 ft) Free fall potential ≥ 1.2 m (4 ft) when candidate establishes, uses, or removes positioning system Single lanyard attached to inappropriate location on harness while using other lanyard (Y-lanyard) Both lanyards attached to same anchorage height (V-lanyard)
Backup system	Free fall potential ≥ 1.2 m (4 ft)	Free fall potential ≥ 0.6 m (2 ft)
Overhead self-retracting device	Free fall potential ≥ 0.6 m (2 ft) Addition of incompatible component(s) between harness and device	Free fall potential ≥ 0.3 m (1 ft) Locking of device from uncontrolled climbing Uncontrolled reeling of lifeline Stowing lifeline unreeled
Personal self-retracting device	Free fall potential ≥ 1.2 m (4 ft)	Free fall potential ≥ 0.6 m (2 ft) when candidate establishes, uses, or removes positioning system
Positioning lanyard	Suspension from positioning system with no fall arrest system Positioning system incorporates non-structural element of harness (e.g., tear-away element, tool loop)	No positioning system during transition between fall arrest systems while not on stable working surface. Ineffective positioning system (e.g., positioning system likely to slide vertically, excessive slack in system) Positioning system above fall arrest system
Descender	Attempted use of descender when descender is installed incorrectly on a rope.	Ineffective use of descender as positioning system (e.g., excessive slack in system)
Travel Restraint system	Ineffective travel restraint system (e.g., free fall potential over edge)	Handling of travel restraint system component(s) likely to render system ineffective

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6. Fall Protection Exercise Supplementary Information

6.1. Energy absorbing lanyard and *backup system* exercise

Example of Successful Completion of Exercise:

- Ⓞ Pre-use inspection
- + Energy absorbing lanyards
- ↑ Energy absorbing lanyards
- + Positioning
- + Rope system
- + Backup device
- Energy absorbing lanyards
- Positioning
- ↓ Backup system
- ↑ Backup system
- + Positioning
- + Energy absorbing lanyards
- Backup device
- Rope system
- Positioning
- ↓ Energy absorbing lanyards

Interpretation and Training Considerations:

This exercise simulates a worker establishing and removing a *rope system* to be incorporated into a *backup system* to facilitate accessing a location at height.

Lessons to prepare a candidate to successfully complete this exercise should include:

- Review of fall protection plan, including pre-use inspection of all equipment used in the exercise.
- Climbing up and down a structure with energy absorbing lanyards.
- Climbing up and down a structure with a *backup system*.
- Establishing and adjusting a *positioning system* while using a *fall arrest system*.
- Transitioning between using energy absorbing lanyards and *backup system* as a *fall arrest system*.
- Establishing a *rope system* using an appropriate *anchorage*, *anchorage connectors*, and rope.

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6.2. Energy absorbing lanyard and *descent mode* exercise

Example of Successful Completion of Exercise:

⊙	Pre-use inspection
+	Energy absorbing lanyards
↑	Energy absorbing lanyards
+	Positioning
+	Two-rope system
+	Backup device
-	Energy absorbing lanyards
+	Descender
-	Positioning
↓	Descent mode
↑	Descent mode (Back-feed descender)
+	Positioning
-	Descender
-	Positioning
↑	Backup system
+	Positioning
+	Energy absorbing lanyards
-	Backup device
-	Two-rope system
-	Positioning
↓	Energy absorbing lanyards

Interpretation and Training Considerations:

This exercise simulates a worker establishing, transitioning to a *rope access system* in *descent mode*.

Back-feeding of the *descender* is introduced to assist in positioning and limited self-rescue applications.

The *fall arrest system* used to climb structure following the descent is not specified. Candidates may climb structure with the installed *backup system* or energy absorbing lanyards.

A work seat may be utilized while the candidate is in *descent mode*, but the candidate shall have a direct connection to the *descender*.

Lessons to prepare a candidate to successfully complete this exercise should include:

- Review of fall protection plan, including pre-use inspection of all equipment used in the exercise.
- Climbing up and down a structure with energy absorbing lanyards.
- Climbing up and down a structure with a *backup system*.
- Establishing and adjusting a *positioning system* while using a *fall arrest system*.
- Transitioning between using energy absorbing lanyards and *backup system* as a *fall arrest system*.
- Transitioning between positioning lanyards and a *descender* incorporated into a *main system*.
- Back-feeding a *descender* using a structure, *rope grab* and footloop, and/or a knot in a *backup rope*.
- Establishing a *two-rope system* using an appropriate *anchorage, anchorage connectors*, and rope.

6.3. Overhead self-retracting device exercise

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Example of Successful Completion of Exercise:

- Ⓞ Pre-use inspection
- + Self-retracting device
- ↑ Self-retracting device
- + Positioning
- + Other fall arrest system
- Self-retracting device
- Positioning
- ↕ Other fall arrest system
- + Positioning
- + Self-retracting device
- Other fall arrest system
- Positioning
- ↓ Self-retracting device

Interpretation and Training Considerations:

This exercise simulates a worker using an overhead self-retracting device to facilitate accessing a location requiring transition to another **fall arrest system**. The second fall arrest system used in the exercise is not specified.

To ensure understanding of fall protection concepts, this exercise must be completed separately, including at facilities using self-retracting devices as an additional safety precaution during the completion of other exercises.

Lessons to prepare a candidate to successfully complete this exercise should include:

- Review of fall protection plan, including pre-use inspection of all equipment used in the exercise.
- Climbing up and down a structure using an overhead self-retracting device.
- Climbing up and down a structure with another **fall arrest system**, such as energy absorbing lanyards.
- Establishing and adjusting a **positioning system** while using a **fall arrest system**.
- Transitioning between using an overhead self-retracting device and another **fall arrest system**.

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6.4. Personal self-retracting device exercise

Example of Successful Completion of Exercise:

- ⊙ Pre-use inspection
- + Personal self-retracting device
- ↑ Personal self-retracting device
- + Positioning
- ↔ Positioning
- Positioning
- ↓ Personal self-retracting device

Interpretation and Training Considerations:

This exercise simulates a worker using a personal self-retracting device and a **positioning system** to access a location.

Lessons to prepare a candidate to successfully complete this exercise should include:

- Review of fall protection plan, including pre-use inspection of all equipment used in the exercise.
- Climbing up and down a structure using a personal self-retracting device.
- Establishing and adjusting a **positioning system** while using a **fall arrest system** .

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6.5. Ladder safety system exercise

Example of Successful Completion of Exercise:

- ⊙ Pre-use inspection
- + Ladder safety system
- ↑ Ladder safety system
- + Positioning
- + Other fall arrest system
- Ladder safety device
- Positioning
- ↕ Other fall arrest system
- + Positioning
- + Ladder safety device
- Other fall arrest system
- Positioning
- ↓ Ladder safety system

Interpretation and Training Considerations:

This exercise simulates a worker using a ladder safety system to facilitate accessing a location requiring transition to another **fall arrest system**. The second **fall arrest system** used in the exercise is not specified.

To ensure understanding of fall protection concepts, for facilities using self-retracting devices as an additional safety precaution during the completion of other exercises, this exercise must be completed separately.

Lessons to prepare a candidate to successfully complete this exercise should include:

- Review of fall protection plan, including pre-use inspection of all equipment used in the exercise.
- Climbing up and down a structure using ladder safety system.
- Climbing up and down a structure with another **fall arrest system**, such as energy absorbing lanyards.
- Establishing and adjusting a **positioning system** while using a **fall arrest system**.
- Transitioning between using a ladder safety system and another **fall arrest system**.

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6.6. Horizontal lifeline exercise

Example of Successful Completion of Exercise:

- ⊙ Pre-use inspection
- + Other fall arrest system
- ↑ Other fall arrest system
- + Positioning
- ↗ Horizontal lifeline system
- Positioning
- ↔ Horizontal lifeline system
- + Positioning
- ↗ Other fall arrest system
- Positioning
- ↓ Other fall arrest system

Interpretation and Training Considerations:

This exercise simulates a worker using a horizontal lifeline system as a **fall arrest system** to facilitate accessing a location requiring transition to another **fall arrest system**. The second **fall arrest system** used in the exercise is not specified.

For additional stability, a compatible **positioning system** should be considered in addition to the **fall arrest system** when traversing the horizontal lifeline system.

Candidate may access or leave horizontal lifeline system from a **safe zone**, but must transfer to another **fall arrest system** during the exercise.

Lessons to prepare a candidate to successfully complete this exercise should include:

- Review of fall protection plan, including pre-use inspection of all equipment used in the exercise.
- Climbing up and down a structure using a **fall arrest system**, such as energy absorbing lanyards.
- Establishing a compatible **fall arrest system** that incorporates a horizontal lifeline system.
- Establishing and adjusting a **positioning system** while using a **fall arrest system**.
- Transitioning between **fall arrest systems**.

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6.7. *Travel restraint system* exercise

Example of Successful Completion of Exercise:

- | | |
|---|--------------------------------|
| ⓪ | Pre-use inspection |
| + | Travel restraint system |
| ↔ | Approach edge |
| ↔ | Move along edge |
| ↔ | Return to safe zone |
| - | Remove travel restraint system |

Interpretation and Training Considerations:

This exercise simulates a worker establishing and using a travel restraint system to access a location.

Lessons to prepare a candidate to successfully complete this exercise should include:

- Review of fall protection plan, including pre-use inspection of all equipment used in the exercise.
- Establishing and adjusting a *travel restraint system* using compatible equipment.
- The effect of angle on *travel restraint system* length of systems utilizing a single anchorage.
- The use of multiple *travel restraint systems* to access a location with the risk of a fall in multiple directions.
- Appropriate handling of components to adjust *travel restraint system* length.

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7. Fall protection Evaluation Site Requirements and Recommendations

7.1. General

7.1.1. All site requirements shall be met for a fall protection evaluation to proceed.

7.1.1.1. If any requirement is not met, an Evaluator shall refuse to conduct an evaluation session.

7.1.1.2. The Evaluation Session Host shall provide proof of addressing any requirement deficiencies to the SPRAT Office prior to the scheduling of another evaluation session at that location.

7.1.2. Site recommendations should be met to facilitate administering a fall protection evaluation.

7.2. Site Physical Requirements and Recommendations

7.2.1. General

7.2.1.1. The site shall be large enough to facilitate completion of all requirements without major adjustments during the evaluation session.

7.2.1.1.1. The site should have a floor area of at least 130 m² (1400 ft²).

7.2.1.2. The site shall have a classroom or other suitable location to facilitate the evaluation session and administer the written test.

7.2.1.2.1. A white board or blank paper and implements shall be provided.

7.2.1.2.2. A poster depicting the evaluation scheme for each candidate should be provided.

7.2.1.3. The site shall facilitate suitable locations to observe candidates.

7.2.1.3.1. Provision shall be made to ensure a maximum vertical separation of no more than 15 m (49 ft) between any location required for the completion of requirements and either the next lower level or the floor.

7.2.2. Anchorage Systems

7.2.2.1. **Anchorage systems** shall meet the requirements of the **presiding regulatory authority**.

7.2.2.1.1. In the absence of a **presiding regulatory authority**, **anchorage systems** intended for use for fall arrest shall have a **minimum breaking strength** of 12 kN (2700 lbf) or two times the **maximum arrest force** of the **fall arrest** system, whichever is greater.

7.2.2.1.2. A documented inspection report prepared by a professional structural engineer appropriate to the **presiding regulatory authority** of the fall protection evaluation site is recommended.

7.2.2.2. **Anchorage systems** should be located to accommodate clearance requirements of attached fall protection systems.

7.2.2.2.1. During the performance of certification requirements, no additional protection is required where required clearance is lower than the available clearance.

7.2.3. Platform

7.2.3.1. A platform at a minimum height of 0.3 m (1 ft) above grade that safely accommodates at least four people with suitable anchorages to accommodate the **travel restraint system** requirements.

7.2.3.2. The platform shall have the ability to have a **fall zone** extend a minimum of 3 m (9.9 ft) along one edge.

7.2.3.3. Suitable **anchorages** should be available outside the **fall zone** so that the candidate can establish a travel restraint system before entering the **fall zone**.

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7.2.4. Site Environment

7.2.4.1. The site shall have appropriate noise and lighting levels.

7.2.4.1.1. Noise levels should be below 85dBA per eight-hour period.

7.2.4.1.2. Lighting levels should be between 300 and 800 lux.

7.2.4.2. The site should be protected from adverse weather.

7.2.4.3. The site should have regulated temperature between 7°C (45 °F) and 38°C (100 °F).

7.2.4.4. The site should have ventilation to facilitate a minimum of 8 air changes per hour.

7.2.5. Climbing structure requirements

7.2.5.1. Structures used for exercises requiring climbing shall have a minimum of 5 m (16.5 ft) of vertical climbing surface available.

7.2.5.2. Structures used for exercises requiring climbing shall be no more than 30 degrees from vertical.

7.2.5.3. Suitable **anchorages** for **fall arrest** shall be available at or adjacent to the top of the structures.

7.2.5.4. Structures utilized for demonstrating energy absorbing lanyards or personal self-retracting devices shall have a minimum of six anchorage systems spaced no farther apart than 0.6 m (1.9 ft) vertically.

7.2.5.5. Fixed ladder structures or structures simulating ladder climbing shall have rungs (or equivalent) spaced no farther apart than 0.45 m (1.4 ft) vertically.

7.2.5.6. No more than two faces of any mounted structure shall be required to meet the station requirements.

7.2.5.7. All faces of free-standing structures may be utilized for stations if visibility of candidates is not compromised.

7.3. Exercise Station Requirements and Recommendations

7.3.1. **Backup system** (Vertical Lifeline) exercise

7.3.1.1. One structure face per four candidates shall be available for the demonstration of the **backup system** exercise.

7.3.1.2. A minimum of four stations for this exercise is recommended.

7.3.2. **Descent mode** exercise

7.3.2.1. One structure face per four candidates shall be available for the demonstration of the **descent mode** exercise.

7.3.2.2. A minimum of four stations for this exercise is recommended.

7.3.3. Overhead self-retracting device exercise

7.3.3.1. One structure face per four candidates shall be dedicated for the demonstration of the overhead self-retracting device exercise

7.3.3.2. A minimum of four stations for this exercise is recommended.

7.3.4. Personal self-retracting device exercise

7.3.4.1. One structure face per four candidates shall be available for the demonstration of the Personal self-retracting device exercise.

7.3.4.2. A minimum of four stations for this exercise is recommended.

7.3.5. Ladder safety system exercise

7.3.5.1. One structure face per four candidates shall be dedicated for the demonstration of the ladder safety system exercise.

7.3.5.2. Ladder safety system may be constructed with wire rope, synthetic rope, or a rigid rail.

7.3.5.3. Multiple compatible ladder safety devices are recommended.

7.3.5.4. A minimum of four stations for this exercise is recommended.

7.3.6. Horizontal lifeline exercise

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7.3.6.1. One horizontal lifeline with a single span of a minimum span of 3 m (9.9 ft) shall be available for the demonstration of the horizontal lifeline exercise.

7.3.6.2. The horizontal lifeline shall be installed a minimum of 1.2 m (4 ft) above the walking surface.

7.3.6.2.1. Compatible connecting equipment shall enable usage while maintaining free fall potential below 2 m (6.5 ft).

7.3.6.3. The walking surface shall have a minimum width of 0.3 m (1 ft).

7.3.6.4. Wire and synthetic ropes may be used in the installation of the horizontal lifeline.

7.3.6.4.1. A minimum of two horizontal lifelines is recommended.

7.3.7. Travel restraint exercise

7.3.7.1. One travel restraint station shall be available.

7.3.7.2. A minimum of two stations for this exercise is recommended.

7.4. Site Safety Requirements

7.4.1. Fall protection plan

7.4.1.1. A fall protection plan shall be available to all parties involved in the fall protection evaluation, as well as any other affected individuals.

7.4.1.2. The fall protection plan shall provide:

7.4.1.2.1. Fall protection evaluation Host representatives and candidate names, contact information, and emergency contacts.

7.4.1.2.2. **Hazard** and **fall zones** information in accordance with *Safe Practices for Rope Access Work*.

7.4.1.2.3. **Anchorage** information for all fall protection systems.

7.4.1.2.4. Completed templates for fall protection systems and equipment as provided in [Appendix 1](#).

7.4.1.2.4.1. Manufacturer specifications shall be available to all parties in the certification process.

7.4.1.2.5. Risk assessment in accordance with *Safe Practices for Rope Access Work*.

7.4.1.2.6. Required personal protective equipment (PPE).

7.4.1.2.7. Procedures and provision to ensure prompt **rescue** from all exercises.

7.4.2. Provision shall be made to ensure no conflicting activities are present during the evaluation session.

7.4.3. A suitable first aid kit and fire extinguisher shall be readily available.

7.4.4. Emergency egress signage and lighting should be provided as appropriate.

7.5. Equipment Requirements and Recommendations

7.5.1. Personal Equipment

7.5.1.1. Personal equipment shall meet the requirements of the **presiding regulatory authority**.

7.5.1.2. Each candidate shall be individually equipped, at a minimum, with the following equipment:

7.5.1.2.1. Personal protective equipment required in accordance with the fall protection plan.

7.5.1.2.2. Helmet

7.5.1.2.3. Harness

7.5.1.2.4. Energy absorbing lanyard

7.5.1.2.5. One backup device with compatible connecting equipment

7.5.1.2.6. **Descender**

7.5.1.2.7. Adjustable positioning lanyard

7.5.1.2.8. Sufficient locking **carabiners** to accommodate personal equipment

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7.5.2. Shared Equipment

7.5.2.1. Two twin leg personal self-retracting devices shall be available.

7.5.2.1.1. Four twin leg personal self-retracting devices should be available.

7.5.2.1.2. Two single leg personal self-retracting devices may be used in place of a twin leg systems, as long as used in accordance with the device and harness manufacturers specifications.

7.5.2.2. Sufficient hardware, such as *carabiners*, and/or other suitable equipment to accommodate requirements shall be available.

7.5.2.2.1. At least 16 carabiners should be available.

7.5.2.3. A minimum of eight ropes of sufficient length to accommodate the climbing structure height(s) and compatible with other required fall protection equipment, to accommodate the needs of the site shall be available.

7.5.2.3.1.1. A minimum of 16 ropes is recommended.

7.5.2.4. Sufficient slings and/or other materials to establish *anchorage systems* and accommodate all exercises shall be available.

7.5.2.4.1. At least 16 slings should be available.

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Appendix 1. Equipment Information

A.3.1. Equipment Introduction	21
A.3.2. Pre-Use Inspection General Checklist	21
A.3.3. Helmet	23
A.3.4. Harness	24
A.3.5. Energy Absorbing Lanyard	25
A.3.6. Positioning Lanyard.....	26
A.3.7. Backup System	27
A.3.8. Descent System	27
A.3.9. Overhead Self-Retracting Device	29
A.3.10. Personal Self-Retracting Device	30
A.3.11. Ladder Safety System	31
A.3.12. Horizontal Lifeline	32
A.3.13. Travel Restraint System	33

A.1.1. Equipment Introduction

A.1.1.1. This information shall be included as part of the fall protection plan for a fall protection evaluation.

A.1.1.2. Forms shall be completed for each **fall protection system** and/or type of equipment that may be utilized during a fall protection evaluation.

A.1.1.2.1. Harness information is expected to be provided as a form separate from other components of a **fall protection system** unless the harness is specific to that **fall protection system**.

A.1.1.2.2. Integral equipment components (e.g., a connector sewn into an energy absorbing lanyard) do not need a separate form.

A.1.1.2.3. General inspection information of Section [A.1.2](#) may be applied to all applicable equipment and is not expected to be reproduced on all forms.

A.1.1.3. Completed forms and supporting documentation, such as manufacturer specifications, shall be available to all parties during a fall protection evaluation.

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A.1.2. General Inspection Information

A.1.2.1. As stated in Section 4.2.4 of *Fall Protection Certification Requirements*, equipment shall be inspected before each use.

A.1.2.2. The following table presents general inspection considerations for equipment function and damage.

A.1.2.3. Pre-use inspection includes visual and tactile testing for both function and potential damage.

A.1.2.4. Equipment pre-use inspection information may be provided within the equipment forms.

A.1.2.5. In accordance with SPRAT’s *Safe Practices for Rope Access Work*, equipment that does not pass inspection, or has potentially sustained damage, shall be removed from service until it can be established that such equipment is safe for use or is retired.

Function	Hardware	Soft Goods
<input type="checkbox"/> Alteration	<input type="checkbox"/> Burring	<input type="checkbox"/> Abrasion
<input type="checkbox"/> Component compatibility	<input type="checkbox"/> Cracks	<input type="checkbox"/> Aging
<input type="checkbox"/> Component orientation	<input type="checkbox"/> Corrosion	<input type="checkbox"/> Burns
<input type="checkbox"/> Harness connection	<input type="checkbox"/> Deformation	<input type="checkbox"/> Chemical exposure
<input type="checkbox"/> Missing parts, tags	<input type="checkbox"/> Erosion	<input type="checkbox"/> Cuts
<input type="checkbox"/> Spring and latch action	<input type="checkbox"/> Gouges	<input type="checkbox"/> Elongation
<input type="checkbox"/> Tested while protected	<input type="checkbox"/> Illegible or missing markings	<input type="checkbox"/> Fraying
<input type="checkbox"/> Visual indicators	<input type="checkbox"/> Missing parts	<input type="checkbox"/> Glazing
	<input type="checkbox"/> Sharp edges	<input type="checkbox"/> Nicks
	<input type="checkbox"/> Stress marks	<input type="checkbox"/> Soiling
		<input type="checkbox"/> Stitching damage
		<input type="checkbox"/> Splice damage
		<input type="checkbox"/> UV damage

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A.1.3. Helmet

Manufacturer:	Name/Model:		
Energy absorption system:	<input type="checkbox"/> Suspension	<input type="checkbox"/> Foam	<input type="checkbox"/> Other:
Impact protection:	<input type="checkbox"/> Overhead	<input type="checkbox"/> Side	<input type="checkbox"/> Other:
Adjustment location(s):	<input type="checkbox"/> Side	<input type="checkbox"/> Rear	<input type="checkbox"/> Other:
Electrical Suitability:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Voltage:

A.1.3.1. Relevant standards:

<input type="checkbox"/> ANSI Z89.1
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

A.1.3.2. Equipment specific pre-use inspection criteria:

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

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A.1.4. Harness

Manufacturer: _____	Name/Model: _____
Fall protection connection(s): <input type="checkbox"/> Dorsal <input type="checkbox"/> Sternal <input type="checkbox"/> Ventral <input type="checkbox"/> Lateral <input type="checkbox"/> Other: _____	
User Weight range: _____ - _____ <input type="checkbox"/> kg <input type="checkbox"/> lbf <i>User weight includes harness and attached equipment.</i>	
Harness style: <input type="checkbox"/> Y style <input type="checkbox"/> H style <input type="checkbox"/> Other: _____	
Harness stretch: _____ <input type="checkbox"/> m <input type="checkbox"/> ft <input type="checkbox"/> in <i>If unknown, 0.45 m (1.5 ft)</i>	
Lanyard parking locations: <input type="checkbox"/> Chest <input type="checkbox"/> Waist <input type="checkbox"/> Other: _____	
Visual indicator(s): <input type="checkbox"/> Yes <input type="checkbox"/> No Location(s): _____	
Equipment loops: <input type="checkbox"/> Yes <input type="checkbox"/> No Description: _____	
Buckle Locations: _____	

A.1.4.1. Relevant standards:

<input type="checkbox"/> ANSI Z359.11
<input type="checkbox"/> AS/NZ 1891.1
<input type="checkbox"/> CSA Z259.10
<input type="checkbox"/> EN 361
<input type="checkbox"/> EN 12277
<input type="checkbox"/> ISO 10333-1
<input type="checkbox"/> NFPA 1983
<input type="checkbox"/> _____
<input type="checkbox"/> _____
<input type="checkbox"/> _____
<input type="checkbox"/> _____

A.1.4.2. Equipment specific pre-use inspection criteria:

<input type="checkbox"/> _____
<input type="checkbox"/> _____
<input type="checkbox"/> _____
<input type="checkbox"/> _____
<input type="checkbox"/> _____
<input type="checkbox"/> _____
<input type="checkbox"/> _____
<input type="checkbox"/> _____
<input type="checkbox"/> _____
<input type="checkbox"/> _____

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A.1.5. Energy Absorbing Lanyard

Manufacturer: _____	Name/Model: _____		
Fall protection application(s):	<input type="checkbox"/> Fall arrest	<input type="checkbox"/> Travel Restraint	<input type="checkbox"/> Other: _____
Fall protection connection(s):	<input type="checkbox"/> Dorsal	<input type="checkbox"/> Sternal	<input type="checkbox"/> Ventral <input type="checkbox"/> Other: _____
Lanyard style:	<input checked="" type="checkbox"/> Y style (single energy absorber)		<input type="checkbox"/> V style (energy absorber in each leg)
User mass range: _____ - _____	<input type="checkbox"/> kg	<input type="checkbox"/> lbf	
<i>User weight includes harness and attached equipment.</i>			
Lanyard length: _____	<input type="checkbox"/> m	<input type="checkbox"/> ft	
<i>Includes all components, such as connectors and energy absorbers, connecting harness to an anchorage.</i>			
Maximum free fall potential: _____	<input type="checkbox"/> m	<input type="checkbox"/> ft	
<i>For the purposes of the fall protection evaluation, free fall potential shall not exceed 2 m (6.5 ft)</i>			
Maximum arrest force: _____	<input type="checkbox"/> kN	<input type="checkbox"/> lbf	
Average arrest force: _____	<input type="checkbox"/> kN	<input type="checkbox"/> lbf	
Maximum deceleration distance: _____	<input type="checkbox"/> m	<input type="checkbox"/> ft	<input type="checkbox"/> in
Usage (If unknown, connection is not permitted.):			
Lanyards connected at same height allowed:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Lanyard parking to harness structural element allowed:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Back-clip options for lanyard:	<input type="checkbox"/> None _____		

A.1.5.1. Relevant standards:

<input type="checkbox"/> ANSI Z359.13
<input type="checkbox"/> CSA Z259.11
<input type="checkbox"/> EN 355
<input type="checkbox"/> ISO 10333-2
<input type="checkbox"/> _____
<input type="checkbox"/> _____
<input type="checkbox"/> _____

A.1.5.2. Equipment specific pre-use inspection criteria:

<input type="checkbox"/> _____
<input type="checkbox"/> _____
<input type="checkbox"/> _____
<input type="checkbox"/> _____
<input type="checkbox"/> _____
<input type="checkbox"/> _____
<input type="checkbox"/> _____

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A.1.6. Adjustable Positioning Lanyard

Manufacturer:	_____	Name/Model:	_____
Fall protection application(s):	<input type="checkbox"/> Positioning	<input type="checkbox"/> Travel restraint	<input type="checkbox"/> Other: _____
Fall protection connection(s):	<input type="checkbox"/> Lateral	<input type="checkbox"/> Ventral	<input type="checkbox"/> Other: _____
User Weight range:	_____ - _____	<input type="checkbox"/> kg	<input type="checkbox"/> lb
<i>User weight includes harness and attached equipment.</i>			
Positioning configurations:	<input type="checkbox"/> Lateral to lateral	<input type="checkbox"/> Ventral basket	<input type="checkbox"/> Ventral linear (axial load)

A.1.6.1. Adjuster

Manufacturer:	_____	Name/Model:	_____
Rope diameter range:	_____ - _____	<input type="checkbox"/> mm	<input type="checkbox"/> in
Rope construction requirements:	_____		

A.1.6.2. Positioning Rope/Lanyard

Manufacturer:	_____	Name/Model:	_____
Diameter:	_____	<input type="checkbox"/> kN	<input type="checkbox"/> lbf
Construction:	<input type="checkbox"/> Kernmantle	<input type="checkbox"/> Braided	<input type="checkbox"/> Other: _____
Material(s):	_____		
Minimum breaking strength:	_____	<input type="checkbox"/> kN	<input type="checkbox"/> lbf
Diameter:	_____	<input type="checkbox"/> kN	<input type="checkbox"/> lbf
Relevant elongation:	_____	% @ _____	<input type="checkbox"/> kN <input type="checkbox"/> lbf
Relevant standards:	<input type="checkbox"/> CI 1801	<input type="checkbox"/> EN 1891	<input type="checkbox"/> Other: _____

A.1.6.3. Relevant system standards:

<input type="checkbox"/> ANSI Z359.3
<input type="checkbox"/> CSA Z259.11
<input type="checkbox"/> EN 354
<input type="checkbox"/> EN 358
<input type="checkbox"/> _____
<input type="checkbox"/> _____

A.1.6.4. Equipment specific pre-use inspection criteria:

<input type="checkbox"/> _____
<input type="checkbox"/> _____
<input type="checkbox"/> _____
<input type="checkbox"/> _____
<input type="checkbox"/> _____
<input type="checkbox"/> _____

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A.1.7. Backup System

Fall protection application(s):	<input type="checkbox"/> Fall arrest	<input type="checkbox"/> Travel Restraint	<input type="checkbox"/> Other: _____
Fall protection connection(s):	<input type="checkbox"/> Dorsal	<input type="checkbox"/> Sternal	<input type="checkbox"/> Ventral <input type="checkbox"/> Other: _____
User Weight range:	_____ - _____	<input type="checkbox"/> kg	<input type="checkbox"/> lb
<i>User weight includes harness and attached equipment.</i>			
Maximum free fall potential:	_____	<input type="checkbox"/> m	<input type="checkbox"/> ft
<i>For the purposes of the fall protection evaluation, free fall potential shall not exceed 1.2 m (4 ft)</i>			
Maximum arrest force:	_____	<input type="checkbox"/> kN	<input type="checkbox"/> lbf
Average arrest force:	_____	<input type="checkbox"/> kN	<input type="checkbox"/> lbf
Maximum deceleration distance:	_____	<input type="checkbox"/> m	<input type="checkbox"/> ft <input type="checkbox"/> in

A.1.7.1. Backup Device

Manufacturer:	_____	Name/Model:	_____
Backup device type(s):	<input type="checkbox"/> Self-trailing	<input type="checkbox"/> Manual	<input type="checkbox"/> Other: _____
Rope diameter range:	_____ - _____	<input type="checkbox"/> mm	<input type="checkbox"/> in
Rope construction requirements:	_____		

A.1.7.2. Backup Lanyard

Manufacturer:	_____	Name/Model:	_____
Lanyard length:	_____	<input type="checkbox"/> m	<input type="checkbox"/> ft <input type="checkbox"/> in
<i>Includes all components, such as connectors and energy absorbers, connecting harness to the backup rope.</i>			
Construction:	<input type="checkbox"/> Energy Absorber	<input type="checkbox"/> Rope	<input type="checkbox"/> Other: _____
Rope Diameter:	_____	<input type="checkbox"/> mm	<input type="checkbox"/> in <input type="checkbox"/> N/A
Elongation:	_____ % @ _____	<input type="checkbox"/> kN	<input type="checkbox"/> lbf

A.1.7.3. Backup Rope

Manufacturer:	_____	Name/Model:	_____
Diameter:	_____	<input type="checkbox"/> mm	<input type="checkbox"/> in
Construction:	<input type="checkbox"/> Kernmantle	<input type="checkbox"/> Braided	<input type="checkbox"/> Other: _____
Material(s):	_____		
Minimum breaking strength:	_____	<input type="checkbox"/> kN	<input type="checkbox"/> lbf
Elongation:	_____ % @ _____	<input type="checkbox"/> kN	<input type="checkbox"/> lbf
Relevant standards:	<input type="checkbox"/> CI 1801	<input type="checkbox"/> EN 1891	<input type="checkbox"/> Other: _____

A.1.7.4. Relevant system standards:

<input type="checkbox"/> ANSI Z359.15
<input type="checkbox"/> CSA Z259.2.5
<input type="checkbox"/> EN 353 -2
<input type="checkbox"/> EN 12841 Type A
<input type="checkbox"/> _____
<input type="checkbox"/> _____
<input type="checkbox"/> _____

A.1.7.5. Equipment specific pre-use inspection criteria:

<input type="checkbox"/> _____
<input type="checkbox"/> _____
<input type="checkbox"/> _____
<input type="checkbox"/> _____
<input type="checkbox"/> _____
<input type="checkbox"/> _____

A.1.8. Descent System

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Fall protection application(s): Positioning Travel restraint Other: _____

Fall protection connection(s): Ventral Sternal Other: _____

User Weight range: _____ - _____ kg lbf
User weight includes harness and attached equipment.

A.1.8.1. Descender

Manufacturer: _____ **Name/Model:** _____

ISO 22159 type: Type 3 Type 4 Other _____

Rope diameter range: _____ - _____ mm in

Rope construction requirements:

A.1.8.2. Main Rope

Manufacturer: _____ **Name/Model:** _____

Diameter: _____ mm in

Construction: Kernmantle Braided Other: _____

Material(s): _____

Minimum breaking strength: _____ kN lbf

Relevant elongation: _____ % @ _____ kN lbf

Relevant standards: CI 1801 EN 1891 Other: _____

A.1.8.3. Relevant system standards:

CSA Z259.2.3

EN 341

EN 12841 Type B

A.1.8.4. Equipment specific pre-use inspection criteria:

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A.1.9. Overhead Self-Retracting Device

Manufacturer:	_____	Name/Model:	_____
Fall protection application(s):	<input type="checkbox"/> Fall Arrest	<input type="checkbox"/> Other:	_____
Fall protection connection(s):	<input type="checkbox"/> Dorsal	<input type="checkbox"/> Sternal	<input type="checkbox"/> Other: _____
User Weight range:	_____ - _____	<input type="checkbox"/> kg	<input type="checkbox"/> lbf
<i>User weight includes harness and attached equipment.</i>			
Length:	_____	<input type="checkbox"/> m	<input type="checkbox"/> ft
Construction type:	<input type="checkbox"/> Wire	<input type="checkbox"/> Synthetic	<input type="checkbox"/> Other: _____
External energy absorber:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Allowable free fall potential:	_____	<input type="checkbox"/> m	<input type="checkbox"/> ft
Maximum arrest force:	_____	<input type="checkbox"/> kN	<input type="checkbox"/> lbf
Average arrest force:	_____	<input type="checkbox"/> kN	<input type="checkbox"/> lbf
Maximum arrest distance:	_____	<input type="checkbox"/> m	<input type="checkbox"/> ft <input type="checkbox"/> in
Leading edge capable?*	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Notes: * See FPCR 1.3.1

A.1.9.1. Relevant system standards:

- ANSI Z359.14
- CSA Z259.2.3
- EN 341
- EN 12841
- _____
- _____

A.1.9.2. Equipment specific pre-use inspection criteria:

- _____
- _____
- _____
- _____
- _____
- _____

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A.1.11. Ladder Safety System

Manufacturer: _____	Name/Model: _____
Fall protection application(s): <input type="checkbox"/> Fall arrest <input type="checkbox"/> Other: _____	
Fall protection connection(s): <input type="checkbox"/> Dorsal <input type="checkbox"/> Sternal <input type="checkbox"/> Ventral <input type="checkbox"/> Other: _____	
User Weight range: _____ - _____ <input type="checkbox"/> kg <input type="checkbox"/> lbf <i>User weight includes harness and attached equipment.</i>	
Maximum number of simultaneous users: _____	
Minimum spacing of users: _____ <input type="checkbox"/> m <input type="checkbox"/> ft	
Maximum free fall potential: _____ <input type="checkbox"/> m <input type="checkbox"/> ft <i>For the purposes of the fall protection evaluation, free fall potential shall not exceed 1.2 m (4 ft)</i>	
Maximum arrest force: _____ <input type="checkbox"/> kN <input type="checkbox"/> lbf	
Average arrest force: _____ <input type="checkbox"/> kN <input type="checkbox"/> lbf	
Maximum deceleration distance: _____ <input type="checkbox"/> m <input type="checkbox"/> ft <input type="checkbox"/> in	

A.1.11.1. Ladder Safety Device

Manufacturer: _____	Name/Model: _____
Carrier compatibility: <input type="checkbox"/> Track <input type="checkbox"/> Wire <input type="checkbox"/> Synthetic <input type="checkbox"/> Other: _____	
Rope diameter range: _____ - _____ <input type="checkbox"/> mm <input type="checkbox"/> in <input type="checkbox"/> N/A	
Lanyard with energy absorber: <input type="checkbox"/> Yes <input type="checkbox"/> No	

A.1.11.2. Ladder Safety Carrier

Manufacturer: _____	Name/Model: _____
Carrier type: <input type="checkbox"/> Track <input type="checkbox"/> Wire <input type="checkbox"/> Synthetic <input type="checkbox"/> Other: _____	
Carrier diameter: _____ <input type="checkbox"/> mm <input type="checkbox"/> in <input type="checkbox"/> N/A	
Overhead energy absorber: <input type="checkbox"/> Yes <input type="checkbox"/> No	
Material(s): _____	
Minimum breaking strength: _____ <input type="checkbox"/> kN <input type="checkbox"/> lbf	
Elongation: _____ % @ _____ <input type="checkbox"/> kN <input type="checkbox"/> lbf	

A.1.11.3. Relevant system standards:

<input type="checkbox"/> ANSI A14.3
<input type="checkbox"/> ANSI Z359.16
<input type="checkbox"/> CSA Z259.2.5
<input type="checkbox"/> _____

A.1.11.4. Equipment specific pre-use inspection criteria:

<input type="checkbox"/> _____
<input type="checkbox"/> _____
<input type="checkbox"/> _____
<input type="checkbox"/> _____

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A.1.12. Horizontal Lifeline

Manufacturer: _____	Name/Model: _____		
Fall protection application(s):	<input type="checkbox"/> Fall arrest	<input type="checkbox"/> Travel Restraint	<input type="checkbox"/> Other: _____
Lanyard connection(s):	<input type="checkbox"/> Energy absorbing	<input type="checkbox"/> Self-retracting device	<input type="checkbox"/> Other: _____
Fall protection connection(s):	<input type="checkbox"/> Dorsal	<input type="checkbox"/> Sternal	<input type="checkbox"/> Other: _____
User Weight range: _____ - _____	<input type="checkbox"/> kg	<input type="checkbox"/> lb	
<i>User weight includes harness and attached equipment.</i>			
Number of Spans: _____			
Span Distance: _____	<input type="checkbox"/> m	<input type="checkbox"/> ft	
Maximum number of simultaneous users: _____			
Minimum spacing of users: _____	<input type="checkbox"/> m	<input type="checkbox"/> ft	<input type="checkbox"/> per span
Pre-tension: _____	<input type="checkbox"/> kN	<input type="checkbox"/> lbf	
Construction type:	<input type="checkbox"/> Wire	<input type="checkbox"/> Synthetic	<input type="checkbox"/> Other: _____
Horizontal lifeline energy absorber:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Allowable free fall potential: _____	<input type="checkbox"/> m	<input type="checkbox"/> ft	
<i>For the purposes of the fall protection evaluation, free fall potential shall not exceed 2.0 m (6.5 ft)</i>			
Maximum arrest force: _____	<input type="checkbox"/> kN	<input type="checkbox"/> lbf	
Average arrest force: _____	<input type="checkbox"/> kN	<input type="checkbox"/> lbf	
Maximum arrest distance: _____	<input type="checkbox"/> m	<input type="checkbox"/> ft	<input type="checkbox"/> in

A.1.12.1. Relevant system standards:

<input type="checkbox"/> CSA Z259.13
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

A.1.12.2. Equipment specific pre-use inspection criteria:

<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>
<input type="checkbox"/>

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A.1.13. Travel Restraint System

Manufacturer:	_____	Name/Model:	_____
User Weight range:	_____	-	_____ <input type="checkbox"/> kg <input type="checkbox"/> lb
<i>User weight includes harness and attached equipment.</i>			
Anchorage Distance from Edge:	_____	<input type="checkbox"/> m	<input type="checkbox"/> ft
Edge Span Distance:	_____	<input type="checkbox"/> m	<input type="checkbox"/> ft
Horizontal lifeline used:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Energy Absorbing Lanyard used:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Backup system used:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Self-retracting device used:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Descent system used:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Positioning system used:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Additional Use Considerations:	_____ _____ _____ _____		

A.1.13.1. Relevant system standards:

<input type="checkbox"/>	_____
<input type="checkbox"/>	_____
<input type="checkbox"/>	_____
<input type="checkbox"/>	_____
<input type="checkbox"/>	_____
<input type="checkbox"/>	_____

A.1.13.2. Equipment specific pre-use inspection criteria:

<input type="checkbox"/>	_____
<input type="checkbox"/>	_____
<input type="checkbox"/>	_____
<input type="checkbox"/>	_____
<input type="checkbox"/>	_____
<input type="checkbox"/>	_____