ROPE ACCESS CERTIFICATION REQUIREMENTS

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Notes for Usage:

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 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 establishes a rope access certification with performance-based criteria that evaluates and verifies an individual's safe use of ***rope access systems***.

1.1.2. This document establishes requirements for three levels of certification that incorporate a minimum baseline of knowledge and skill that a ***rope access technician*** should possess at each certification level.

1.1.3. This document is intended for use by:

1.1.3.1. Individuals whose specific job requires knowledge and skill proficiency in rope access techniques.

1.1.3.2. ***Employers*** managing a rope access program meeting the requirements of SPRAT's *Safe Practices for Rope Access Work*.

1.2. Scope

1.2.1. This document provides:

1.2.1.1. Candidate eligibility and training requirements.

1.2.1.2. Performance principles and grading system for a rope access evaluation.

1.2.1.3. Requirements for each certification level.

1.3. Exceptions

1.3.1. A performance-based evaluation cannot address all knowledge and skill that may be applicable to all types of work requiring the use of ***rope access systems***.

1.3.2. Consideration should be given by an ***employer*** to determine additional training requirements for the specific ***rope access systems***, equipment, and techniques used during the completion of, as well as an individual's suitability for a particular type of work.

2. Rope Access Certification

2.1. General Information

2.1.1. Successful completion of a rope access evaluation and an associated written test shall be required to obtain a SPRAT rope access certification.

2.1.2. The rope access evaluation and written test shall be appropriate to evaluate the skills and knowledge required for the desired level of certification.

2.1.3. The rope access evaluation and written test components shall be administered in accordance with policies and procedures maintained by the Evaluations Committee.

2.2. Rope Access Certification Process

2.2.1. A rope access evaluation shall be conducted in accordance with policies and guidelines established by the Evaluations Committee.

2.2.2. An Evaluation Session Host shall host a rope access evaluation.

2.2.3. An ***independent evaluator*** shall administer the rope access evaluation.

2.2.4. A provisional result shall be issued to the candidate after the completion of the rope access evaluation.

2.2.5. Upon review of documentation demonstrating successful completion of requirements, SPRAT shall issue a rope access certification to a candidate.

2.3. Rope Access Certification Validity

2.3.1. Initial certification is valid for three years from the date of the rope access evaluation.

2.3.2. Any subsequent certification completed during the last 6 months of a current certification shall be valid for three years from the date of the current certification expiration.

2.3.2.1. A subsequent certification completed outside of this period is valid for three years from the date of the rope access evaluation.

2.4. Rope Access Certification Revocation

2.4.1. SPRAT may, at its discretion revoke a certification.

2.4.1.1. Causes for revocation include, but are not limited to:

2.4.1.1.1. Fraud.

2.4.1.1.2. Deceit.

2.4.1.1.3. Submission of inaccurate data to obtain a certification.

2.4.2. Revocation of a certification shall follow the complaint process in accordance with Section 9.

3. Candidate Eligibility Requirements

3.1. General

3.1.1. A candidate shall be at least 18 years of age.

3.1.2. A candidate shall provide proof of identification.

3.1.3. A candidate shall sign an affidavit agreeing to policies established by the Evaluations Committee.

3.2. Training Requirements

3.2.1. A candidate shall receive training by a ***competent trainer*** within six months prior to initial certification as a ***Level I***, ***Level II***, or ***Level III Technician***.

3.2.2. A candidate should receive training by a ***competent trainer*** within six months prior to participating in any subsequent rope access evaluation.

3.2.3. Training shall include presentation, at a minimum, of:

3.2.3.1. Rope access system and equipment information used during the rope access evaluation

3.2.3.2. Performance Principles of Section 4 and their application to requirements for a candidate's desired certification level.

3.2.3.3. Safe Practices for Rope Access Work.

3.2.3.4. SPRAT's Rope Access Evaluation Guidelines.

3.3. Experience Requirements

3.3.1. Certification advancement shall be completed in a consecutive manner unless approval is granted by the Evaluations Committee.

3.3.1.1. Processes for obtaining Evaluations Committee approval shall be presented in *Rope Access Evaluation Guidelines*.

3.3.2. No experience is required prior to becoming a ***Level I Technician***.

3.3.3. Candidates initially upgrading to the next higher level shall provide documentation in accordance with *Safe Practices for Rope Access Work* demonstrating at least 500 hours of rope access experience obtained with a valid certification at their current certification level.

3.3.4. Candidates shall hold a certification level for a minimum of six months prior to being eligible for certification advancement to the next level.

3.3.4.1. Candidates that have downgraded their certification level shall hold this current level of certification for a minimum of three months immediately prior to being eligible to upgrade to the next level.

4. Rope Access Evaluation Performance Principles

4.1. General

4.1.1. Requirements shall be completed in a safe and efficient manner.

4.1.2. Specific equipment and techniques shall not be specified.

4.1.3. Site specific safety policies shall be followed.

4.1.4. A candidate or load is considered to be in a ***fall zone*** when moving or suspended at any height above the next lower level or within 2 m (6.6 ft) of an unprotected edge.

4.2. ***Rope access systems***

4.2.1. ***Rope access systems*** shall be constructed and used in accordance with Safe Practices for Rope Access Work.

4.2.2. ***Rope access systems*** shall incorporate appropriate ***anchorage systems***.

4.2.3. A ***backup system*** or other fall protection system shall be used when a candidate or load is in a ***fall zone***.

4.2.4. A ***backup system*** or other fall protection system shall be used in conjunction with any ***main system***.

4.2.5. Appropriate systems shall be used to minimize ***free fall potential***.

4.2.5.1. ***Free fall potential*** within a ***backup system*** or other fall protection system shall not exceed 1.2 m (4 ft).

4.2.5.2. ***Free fall potential*** within a ***backup system*** should not exceed 0.6 m (2 ft).

4.2.5.3. ***Free fall potential*** within a ***main system*** shall not exceed 0.6 m (2 ft).

4.2.5.4. ***Free fall potential*** within a ***main system*** should not exceed 0.3 m (1 ft).

4.2.6. Appropriate systems shall be used to minimize potential ***swing falls***.

4.2.6.1. Potential ***swing fall distance*** shall not exceed 0.6 m (2 ft).

4.2.6.2. Potential ***swing fall distance*** should not exceed 0.3 m (1 ft).

4.2.6.3. If a ***main system*** or ***directional anchorage system*** adjusts the ***fall line*** by greater than 0.6 m (2 ft) and creates a potential ***swing fall*** with a pendulum angle in excess of 20 degrees, a second system shall be used to protect against failure of the first system.

4.2.7. Appropriate steps shall be taken to ensure a candidate or load cannot become inadvertently detached from a ***main*** or ***backup system***.

4.3. Rope access equipment

4.3.1. Rope access equipment shall be used in accordance with *Safe Practices for Rope Access Work*.

4.3.2. Helmets shall be used while in a ***hazard zone***.

4.3.2.1. Helmets with fastened chinstraps shall be used while in a ***fall zone***.

4.3.3. Rope and other components shall be protected from damage as required by the rope access evaluation site.

4.3.4. Harness connections shall be used in accordance with the manufacturer.

4.3.4.1. Harness connections used with rope access equipment should be used in accordance with the ***presiding regulatory authority*** where the rope access evaluation is conducted.

4.3.5. Failure of a component between an ***anchorage*** and a harness shall not result in a free fall or ***swing fall*** in excess of the limits described in Section 4.2, unless the introduced component:

4.3.5.1. Is manufactured as a closed component that cannot be opened without permanent damage.

4.3.5.2. Has no moving parts.

4.3.5.3. Is designed to accommodate multiple connections.

4.3.5.4. Has a minimum strength of either 24kN (5400 lbf), or two times the highest calculated required ***anchorage system*** strength within the ***rope access system***.

4.4. ***Rescue*** considerations

4.4.1. Rescue requirements shall be completed with an appropriate ***backup system*** or other fall protection system.

4.4.2. Candidates shall maintain an appropriate ***backup system*** or other secondary system for casualties.

5. Grading System for Rope Access Evaluations

5.1. Candidate performance is graded on their adherence to the Performance Principles of Section 4.

5.2. Candidate performance is graded as a Pass (P), ***Fail*** (F), or ***Discrepancy*** (D).

5.2.1. Pass (P) denotes satisfactory performance during the exercise.

5.2.2. One ***Fail*** (F) constitutes failure of the rope access evaluation.

5.2.3. Three ***Discrepancies*** (D) constitutes failure of the rope access evaluation.

5.2.3.1. Multiple ***discrepancies*** may be issued within one exercise.

5.3. The evaluator of a rope access evaluation has the sole authority to issue ***discrepancies*** and ***fails***.

5.4. An explanation shall be provided for any issued ***fail*** or ***discrepancy***.

5.5. Any ***fail*** or ***discrepancy*** shall be issued to a candidate prior to being assigned their next exercise.

6. Level I Technician Requirements

6.1. Roles and Responsibilities

6.1.1. Candidate shall be able to demonstrate an understanding of the responsibilities of a ***Level I Technician*** and how these fit into the overall responsibilities of a rope access program.

6.2. Equipment Use and Inspection

6.2.1. Candidate shall be able to demonstrate understanding of the use, inspection, and care of all equipment required for the technical skills of a ***Level I Technician***.

6.2.2. Candidate shall understand the requirements of an ***employer's*** equipment management program as required by *Safe Practices for Rope Access Work*.

6.3. Job Safety

6.3.1. Candidate shall demonstrate an understanding of the rope access program safety requirements as stated in *Safe Practices for Rope Access Work*.

6.3.2. Evaluation site safety policies shall be followed.

6.4. Knots

6.4.1. Candidate shall demonstrate the tying of the following knots and have an awareness of their applications, strengths, and limitations:

6.4.1.1. End or termination knot (e.g., figure 8 on a bight, figure 9 on a bight, bowline)

6.4.1.2. Knot to join two ropes (e.g., double fisherman's bend, Flemish bend)

6.4.1.3. Middle knot (e.g., alpine butterfly)

6.4.1.4. Stopper knot to prevent descending off end of ropes (e.g., barrel knot)

6.5. Use of Backup Devices

6.5.1. Candidate shall demonstrate the use of a backup device in accordance with manufacturer specifications.

6.5.2. Candidate should pay attention to:

6.5.2.1. Positioning the device to minimize free fall potential.

6.5.2.2. Connecting to the device with a compatible lanyard type and length.

6.5.2.3. Pairing the device to a compatible rope type and diameter.

6.5.2.4. Defeating the device through inappropriate handling.

6.6. Use of ***Descenders***

6.6.1. Candidate shall demonstrate the use of a ***descender*** in accordance with manufacturer's specifications.

6.6.2. Candidate shall demonstrate:

6.6.2.1. Descending in a controlled manner.

6.6.2.2. Stopping, and locking or tying off the ***descender*** as appropriate.

6.6.2.3. Ascending at least 2 m (6.6 ft).

6.6.3. Candidate should pay attention to:

6.6.3.1. Locking or tying off the ***descender*** when candidate is stopped and not in control of the slack end of the rope.

6.6.3.2. Operating or triggering a ***descender*** without appropriate control of the slack end of the rope.

6.7. Use of ***Ascenders***

6.7.1. Candidate shall demonstrate the use of ***ascenders*** in accordance with manufacturer's specifications.

6.7.2. Candidate shall demonstrate:

6.7.2.1. Ascending 10 m (32.8 ft).

6.7.2.2. Down-climbing 2 m (6.6 ft).

6.7.3. Candidate should pay attention to:

6.7.3.1. Attaching the ***ascenders*** to the harness to increase safety and prevent equipment from being inadvertently dropped.

6.7.3.2. Using ***ascenders*** in such a way to eliminate a dynamic fall onto an ***ascender***.

6.7.3.2.1. A single ***ascender*** connection to the ***main rope*** is acceptable as long as the free fall potential is limited to less than 0.3 m (1 ft) or eliminated entirely.

6.8. Change-overs

6.8.1. Candidate shall demonstrate switching from ***ascent mode*** to ***descent mode*** and from ***descent mode*** to ***ascent mode***.

6.8.2. Candidate should pay attention to careful handling of equipment and loading of ***carabiners*** during the maneuver.

6.9. Passing Knots

6.9.1. Candidate shall demonstrate ascending and descending past knots tied in both ***backup*** and ***main ropes***.

6.9.2. Knots to be passed shall not be used as an attachment point.

6.10. Rope-to-Rope Transfer

6.10.1. Candidate shall demonstrate transferring from one ***two-rope system*** to another separated by more than 2 m (6.6 ft).

6.10.2. Connection to 4 ropes is expected to control the ***potential swing fall*** if one rope were to fail during the maneuver.

6.10.3. Two backup devices may be used; alternatively, candidate may use an appropriate knot as a backup.

6.11. ***Deviation***

6.11.1. Candidate shall demonstrate ascending and descending past a ***directional anchorage system*** that deviates the ***fall line*** of a ***two-rope system*** by no more than 20 degrees.

6.11.1.1. A single ***directional anchorage system*** is acceptable if there is no safety consequence of its failure.

6.11.1.2. The ***directional anchorage system*** shall not be relied upon as a primary point of connection.

6.11.1.3. Provision for returning to the ***directional anchorage system*** from above and facilitating a rescue or repeated use from below should be considered.

6.12. ***Re-anchor***

6.12.1. Candidate shall demonstrate ascending and descending past intermediate ***fixed anchorage systems*** that adjust the fall line of a ***two-rope system*** by more than 2 m (6.6 ft).

6.12.2. The candidate should use four-point technique similar to that used in a rope-to-rope transfer and shall not pull the rope from below the ***anchorages*** across the area during the maneuver.

6.13. Negotiate Edge

6.13.1. Candidate shall demonstrate negotiating an edge obstruction in ***ascent mode*** and ***descent mode***.

6.13.2. This task should simulate field conditions experienced when negotiating the edge of a roof, cliff face, or parapet wall.

6.13.3. The ***anchorages*** should be at least 2 m (6.6 ft) from an unprotected edge and be located on the horizontal surface or within 2 m (6.6 ft) above the horizontal surface.

6.13.4. If the edge is protected by a railing, candidate may need to climb under or through the railing to demonstrate the edge negotiation.

6.13.5. Edge protection, controlled movement, and avoidance of dynamic loads shall be demonstrated.

6.14. Rope and Sling Protection

6.14.1. Candidate shall demonstrate use of rope and sling protection as required by the evaluation session site.

6.14.2. Candidate shall pass a rope protector installed on both the ***main*** and ***backup ropes***.

6.15. Rigging ***Anchorage Systems***

6.15.1. Simple Structural ***Anchorage System***

6.15.1.1. Candidate shall demonstrate establishing an ***anchorage system*** using a structural member (e.g., steel beam).

6.15.1.2. Appropriate use of hardware, choice of sling material, and appropriate sling protection shall be considered.

6.15.2. Load Sharing ***Anchorage System***

6.15.2.1. Candidate shall demonstrate establishing a load sharing ***anchorage system*** with two ***anchorages*** or ***anchorage connectors*** less than 1 m (3.2 ft) apart horizontally (e.g., bolt anchors in concrete or rock).

6.15.2.2. Considerations for establishing a load-sharing ***anchorage system*** should include:

6.15.2.2.1. Failure consequences.

6.15.2.2.2. Anchorage location.

6.15.2.2.3. Bridle angle.

6.15.2.2.4. ***Anchorage connector*** loading.

6.15.2.2.5. Sling Choice.

6.15.2.2.6. Edge protection.

6.16. Horizontal ***Aid Climbing***

6.16.1. Candidate shall demonstrate horizontal ***aid climbing*** while maintaining connections to two independent ***anchorage systems***.

6.16.2. The candidate shall demonstrate horizontal movement using either ***fixed*** or movable ***anchorage systems***.

6.17. ***Level I Technician*** Rescue Scenario

6.17.1. Candidate shall perform a pick-off rescue of a casualty that is in ***ascent mode***.

6.17.2. Candidate shall approach casualty on an adjacent set of ropes.

6.17.3. Candidate shall perform a change-over of the casualty from ***ascent mode*** to ***descent mode***.

6.17.4. Candidate shall then perform a rescue from descent.

6.18. Rigging and Operating a Hauling and Lowering System

6.18.1. While working from a platform or ground level, a lone candidate shall demonstrate raising and lowering a load while using an appropriate ***descender*** attached to an ***anchorage system***.

6.18.2. Candidate may be asked to stop and lock-off the ***descender***. A ***fixed backup system*** shall be utilized and managed by the candidate.

6.18.3. Candidate may begin with raising or lowering the load, and shall not be required to negotiate an edge with the load.

6.18.4. A mechanical advantage system shall be used when raising the load.

7. Level II Technician Requirements

7.1. Candidate shall be proficient in ***Level I Technician*** requirements.

7.2. Roles and Responsibilities

7.2.1. Candidate shall demonstrate an understanding of the responsibilities of a ***Level II Technician*** and how these fit into the overall responsibilities of an ***employer's*** rope access program.

7.3. Equipment Use and Inspection

7.3.1. Candidate shall be able to demonstrate understanding of the use, inspection, and care of all equipment required for the technical skills of a ***Level II Technician***.

7.3.2. The candidate should understand an ***employer's*** equipment management program as required by *Safe Practices for Rope Access Work*.

7.4. Job Safety

7.4.1. Candidate shall demonstrate an understanding of the rope access program safety requirements as stated in *Safe Practices for Rope Access Work*.

7.4.2. Evaluation site safety policies shall be followed.

7.5. Rigging and System Dynamics

7.5.1. Candidate should understand the forces involved in rigging ***rope access systems***, including concepts such as angle physics and dynamic loading.

7.6. Knots and Hitches

7.6.1. In addition to the knots required of a ***Level I Technician***, the candidate shall demonstrate the tying and dressing of a:

7.6.1.1. Prusik hitch.

7.6.1.2. Tied-off münter hitch.

7.7. Load-sharing ***Anchorage Systems***

7.7.1. Candidate shall demonstrate establishing a 2-point load sharing ***anchorage system*** in one of the following situations:

7.7.1.1. Two ***anchorages*** or ***anchorage connectors*** greater than 2 m (6.6 ft) apart horizontally (perpendicular to the plane of the rope).

7.7.1.2. Two ***anchorages*** or ***anchorage connectors*** greater than 2 m (6.6 ft) apart vertically (parallel to the plane of the rope).

7.7.2. Considerations for establishing a load-sharing ***anchorage system*** should include:

7.7.2.1. Failure consequences.

7.7.2.2. Anchorage location.

7.7.2.3. Bridle angle.

7.7.2.4. Anchorage connector loading.

7.7.2.5. Sling Choice.

7.7.2.6. Edge protection.

7.8. Retrievable ***Rope Systems***

7.8.1. Candidate shall demonstrate a method to retrieve ropes from a structural ***anchorage*** after descent.

7.8.2. Considerations include:

7.8.2.1. Connector loading.

7.8.2.2. Edge protection.

7.8.2.3. Rope abrasion.

7.9. Vertical ***Aid Climbing***

7.9.1. Candidate shall demonstrate vertical ***aid climbing*** on ***anchorage systems*** spaced 45 cm (1.5 ft) apart or less, for a minimum distance of 3 m (9.9 ft).

7.10. Pick-off Rescue of Casualty Through Knots

7.10.1. Candidate shall perform a pick-off rescue of a casualty, from either ***ascent mode*** or ***descent mode***, with knots in both ***backup*** and ***main ropes***.

7.10.2. The casualty shall be suspended a distance of at least 60 cm (2 ft) above both knots.

7.10.3. The candidate shall then descend with the casualty while negotiating the obstacle.

7.10.4. Knots to be passed shall not be used as an attachment point.

7.11. Rescue from Horizontal ***Aid Climbing***

7.11.1. Candidate shall demonstrate rescuing a casualty from horizontal ***aid climbing*** to a designated location below one side of the traverse.

7.11.2. Candidate shall utilize a rope-to-rope transfer to reach the designated location with the casualty.

7.12. Rigging and Operating a ***Rope Access System*** Pre-rigged to Lower

7.12.1. Candidate shall establish a ***two-rope system*** for another ***rope access technician*** to use that allows for a ***remote rescue***.

7.12.2. Once the ***rope access technician*** is ***on-rope***, candidate shall demonstrate lowering the ***rope access technician*** to the ground.

7.13. Pitch Head Break in and Lower

7.13.1. Candidate shall demonstrate breaking into and lowering a load suspended from a ***rope access system***.

7.13.2. Candidate shall be in suspension while performing this maneuver.

7.13.3. Load shall be suspended at least 1 m (3.3 ft) above grade, and shall be lowered to the grade.

7.13.4. Candidate may access the ***anchorage systems*** via any means.

7.13.5. Connections shall not be made to the load or the ***two-rope system*** suspending the load until the candidate is suspended from the ***anchorage systems***.

7.14. Cross-haul

7.14.1. Candidate shall demonstrate using two hauling systems in concert to move a load vertically and horizontally.

7.14.2. The load may start from the ground or platform level.

7.14.3. Candidate may operate both hauling systems or may direct another person to operate one of the hauling systems.

8. Level III Technician Requirements

8.1. Candidate shall be proficient in ***Level I*** and ***Level II Technician*** requirements.

8.2. Roles and Responsibilities

8.2.1. Candidate shall demonstrate a clear understanding of the responsibilities of a ***Level III Technician*** and how these fit into the overall responsibilities of an ***employer's*** rope access program as required by *Safe Practices for Rope Access Work*.

8.3. Management and Communication

8.3.1. Candidate shall demonstrate an ability to manage the safety of other ***rope access technicians*** and the public.

8.3.2. Candidate shall demonstrate clear communication skills and be able to read, write, and speak in the language of the work place (unless provisions are made by an ***employer*** to provide a consistent and reliable translator).

8.3.3. Candidate should be familiar with using communication methods available in various field environments.

8.4. Equipment Use and Inspection

8.4.1. Candidate shall be able to demonstrate a thorough understanding of the use, inspection, and care of all equipment required on a rope access work site.

8.4.2. Candidate should be able to manage and carry out an ***employer's*** equipment management program as required by *Safe Practices for Rope Access Work*.

8.5. Job Safety

8.5.1. Candidate shall have a comprehensive knowledge of the rope access program safety requirements as stated in *Safe Practices for Rope Access Work*.

8.5.2. Evaluation site safety policies shall be followed.

8.6. Rigging and System Dynamics

8.6.1. Candidate shall understand the forces involved in rigging rope access systems including concepts such as angle physics and dynamic loading.

8.7. Team Scenario

8.7.1. Candidate will be given a rescue or work task to complete with the assistance of one or more individuals.

8.7.2. The Level III candidate will be evaluated on their ability to effectively:

8.7.2.1. Communicate and delegate tasks.

8.7.2.2. Safely manage the completion of the scenario.

8.7.3. Candidates supporting the operation are accountable for accomplishing tasks at their desired certification level and will be evaluated accordingly.

8.7.3.1. Supporting candidates that have completed their evaluation shall not be evaluated while supporting a team scenario.

8.8. Pick-off Rescue of Casualty while Negotiating Obstacles

8.8.1. Candidate shall perform a pick-off rescue of a casualty and descend with the casualty while negotiating one of the following:

8.8.1.1. ***Deviation***

8.8.1.2. ***Re-anchor***

8.8.2. Candidate shall perform a pick-off rescue of a casualty from within an obstacle. The casualty shall be mid-transfer in one of the following:

8.8.2.1. ***Re-anchor***

8.8.2.2. Rope-to-Rope Transfer

8.9. Hauling and Lowering Through Knots

8.9.1. Candidate shall demonstrate raising and lowering a casualty or load with knots located in both ***backup*** and ***main ropes*** located at a similar height while working from the ground, a platform, or while suspended from ***anchorage systems***.

8.9.2. The casualty or load shall be suspended at least 2 m (6.6 ft) below knots that are at least 2 m (6.6 ft) below the ***anchorage systems***.

8.9.3. Load shall be raised to the ***anchorage systems*** and returned to its initial location.

8.9.4. Candidate may access the ***anchorage systems*** via any means.

8.9.5. Connections shall not be made to the load or the ***two-rope system*** supporting the load until the candidate is located at the ***anchorage systems***.

8.9.6. Knots will be located at a similar height.

8.9.7. Knots to be passed shall not be used as an attachment point.

8.10. Tensioned Rope Systems

8.10.1. Candidate shall demonstrate transporting a load along a horizontal or angled tensioned rope system.

8.10.2. Candidate shall know how to estimate forces placed on the system.

8.10.3. Rigging considerations should include potential failure of the tensioned rope(s) in the system.

9. Complaints and Appeals

9.1. In the case of a complaint or dispute, the aggrieved party should submit a written statement to the SPRAT Office detailing the circumstances of the complaint and requested action. The SPRAT Office shall forward all complaints and appeals to the Evaluations Committee and the Board of Directors.

9.2. Complaints and appeals will be considered and ruled on by the Evaluations Committee. A written response shall be provided to the aggrieved party and copied to the Board of Directors within sixty (60) days of the written complaint. Any candidate affected by the decisions of the Evaluations Committee may choose to appeal to the Board of Directors.

9.3. The Board of Directors can choose to reconsider any action taken by the Evaluations Committee if the Board of Directors deems the action inconsistent with established certification requirements or finds the action inconsistent with the best interests of the membership.