# FELTON FIRE PROTECTION DISTRICT STANDARD OPERATING PROCEDURES

ARTICLE: II

SOP: 2205

SECTION: 2200

**APPARATUS & EQUIPMENT** 

SUBJECT:

ROPE MAINTENANCE AND INSPECTION

**PURPOSE:** 

To ensure that all ropes and rope equipment are in safe and proper

working condition.

SCOPE:

In addition to weekly aapparatus inventory checks, all rope and rope equipment shall be inspected before and after each and every use.

## **DEFINITION:**

<u>Life Safety Ropes</u> - Rope used to support the weight of members or other persons during a rescue, firefighting, or other emergency, or during training evolutions.

Utility Ropes - Ropes used for the hoisting and/or securing of objects other than a life.

### PROCEDURE:

- 1. The following items shall be inspected for damage or wear:
  - +All Ropes
  - +Carabiners
  - +Gibbs Ascenders
  - +Puilles
  - +Web Straps
  - +Prusik Ropes
  - +Life Safety Harnesses
  - +Pre-rigged Lifting Harnesses
  - +Patient Litters
- Any deficiencies or conditions that may compromise the integrity of an item shall require that the item be removed from service and be brought to the attention of the Fire Chief. The Fire Chief shall, on inspection, place the item or items out of service if need be.
- 3. All life safety ropes shall require that a rope maintenance record be maintained for the life of the rope.
- 4. Life safety rope shall be placed "out of service" if subjected to high stresses such as impact loading situations, or signs of weakness or wear are detected.
- 5. Life safety ropes shall be scheduled for replacment at regular intervals not to exceed 10 (ten) years.

# **ROPE MAINTENANCE REPORT**

## **GENERAL:**

- 1. The rope maintenance record shall be kept in the rope compartment of each applicable apparatus.
- 2. There shall be an individual record maintained for each life safety rope.
- 3. Rope, rope bags and their records shall be marked and identified by number.

#### INSTRUCTIONS:

- 1. Each time a life safety rope is utilized during an incident or training evolution the activity shall be logged on the maintenance record.
- 2. The record shall require the following information:
  - a. Date of activity.
  - b. Location of activity.
  - c. How was the rope utilized and quantity of evolutions performed.
  - d. Make comments on severity, adverse, destructive or unusual situations the rope was subjected to.
  - e. List the results of the inspection, any damage or unusual characteristics of the rope.
  - f. State recommendations in regards to the inspection: Stay in service, repair replace or downgrade.

See Attached ROPE MAINTENANCE REPORT Form

ROPE MAINTENANCE RECORD	DATE REC'D TENSILE STRENGTH TENSILE STRENGTH	MODEL/COLOR STATIC DYNAMIC ROPE BAG NO.	SECTIONS) INITIAL RECOMMENDATION								
			ECESSARY TO COMPLETE THESE COMMENTS INSPECTION RESULTS								
			(USE AS MANY LINES AS NECESSARY TO COMPLETE THESE SECTIONS) HOW USED, # OF USES USE COMMENTS INSPECTION RESULTS RECOMME		The state of the s						
			INCIDENT/TRAINING LOCATION & NAME			And the first control and the					
			DATE								

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