1. DESCRIPTION

1.1 F.D.N.Y. Designation  Life Saving Training Rope
1.2 Material Used  Continuous filaments of Nylon 707
1.3 Weight  10 lbs.
1.4 Diameter  9/16"
1.5 Length  100'
1.6 Capabilities  Breaking strength, minimum 9000 lbs., Work load 600 lbs.

2. INTENDED USE

2.1 Life Saving Training ropes and anti-chafing devices have been issued to each ladder, rescue and squad company for use at company drills in the life saving rope evolutions.

2.2 The Life Saving Training Rope shall never be used without the landing mat positioned beneath the line of descent.

2.3 The anti-chafing device shall be used at all times.

3. OPERATIONS

3.1 Each division has been issued a landing mat, blower motor (TB Rope 1, Data Sheet 4) and Life Saving Training Rope carrying case for use at company drills.

3.1.1 The case is yellow with black lettering to ensure that the Life Saving Training Rope is used only for drill purposes.

3.1.2 During drill, the carrying case shall be packed with the company Life Saving Training Rope for use.

3.1.3 At the completion of each drill, the Life Saving Training Rope shall be removed from the carrying case and stored in a dark colored plastic bag in a cool, dry area of the company office.

3.1.4 The Life Saving Training Rope shall not be carried on the apparatus except while transported to drill sites, at which time it shall be under the complete control of the officer on duty.
3.2 Members shall perform all sliding and lowering operations according to the evolutions.

3.3 After each single slide, remove the twist in the rope which is between the substantial object and the parapet. Also, remove the twist in the rope at the base of the building.

3.4 After each lowering operation, permit all remaining coiled rope to pay out and then recoil the rope counter-clockwise in preparation for the next lowering operation.

3.5 If kinks develop at the hand of the lowering person during a lowering operation, the lowering must be temporarily halted while another member assists in the removal of the kinks.

3.6 Engine companies shall participate in training sessions with ladder, rescue and squad companies per schedules promulgated by Division Commanders.

4. CARE OF TRAINING ROPES

4.1 Precautions must be exercised while using Life Saving Training Ropes to prevent shortened service and damage to the ropes due to twisting, kinking, hockling and abrasion.

4.1.1 Twisting, kinking and abrasion will occur in the Life Saving Training Rope because of its continuous use during rope sliding drills.

4.1.2 When a rope is twisted in the direction of the lay of the rope, a kink or series of kinks will develop.

4.2 Hockles can occur in the following ways:

4.2.1 Twisting a rope counter to the lay of the rope will cause a hockle.

4.2.2 A kink pulled through a restricted space or forcefully tightened will become a hockle.

4.2.3 Knots can cause a twist that is counter to the lay of rope. Therefore, knots must be removed cautiously to prevent excessive twisting of the rope which will cause a hockle.

4.3 To reduce abrasion, do not use a point of operation where a protruding portion of the building, such as a window facade, may cause abrasion to the rope.

4.4 One end of the rope shall be identified by tape affixed to the hook.

4.5 The maximum number of times this rope may be used is 100 per end, for a total of 200 slides.

4.6 A history of every Life Saving Training Rope shall be maintained on the Training Rope Record Card (RP-101).

4.7 This Life Saving Training Rope shall be cared for in the same manner as the life saving rope.
5. **USE RESTRICTIONS**

5.1 Life Saving Training Rope shall not be used in place of the life saving rope.

5.2 The Life Saving Training Rope may be used at heights to a maximum of three stories.

5.3 The practice of tying training ropes together in order to increase the length of the rope is STRICTLY PROHIBITED.

5.4 Life Saving Training Rope were not issued for use on a Battalion wide or Division wide basis.

5.4.1 Emphasis is made that after each training session, the Life Saving Training Rope must be kept and maintained by the company to which the rope was issued.

5.5 The following objects are not to be considered for use as substantial objects.

5.5.1 Plumbing vent pipes.

5.5.2 Sheet metal housings for roof vents.

5.5.3 T.V. masts.

5.5.4 Newel posts or banisters.

5.6 Whenever a Life Saving Training Rope is placed out of service, the rope shall be tagged with an RT-2 indicating the unit number, date and reason. The officer placing the rope out of service shall make an entry in the company journal.

The officer shall prepare a letterhead report to the Chief of Safety with full particulars. Investigation of the circumstances as stated in the report is required by the Battalion Chief on duty. A statement to this effect is required as a part of the chief’s endorsement.

During normal business hours, a messenger will deliver this equipment and letterhead report to the Research and Development Unit at building 409A Fort Totten, Queens for examination. If a need for a new training rope is determined it will be issued there.

Training ropes will only be exchanged during the normal business hours of the Research and Development Unit.

**NOTE:** No exchange will be permitted without the submitting of the letterhead report.

5.7 A Lost Property Report (FS-112) is required for lost equipment.
6. CONCLUSION

6.1 Rope training operations must be performed properly and carefully in order to ensure the safety of members, and also to obtain extended use of the training rope.

6.2 By taking necessary precautions, a Life Saving Training Rope will safely and easily withstand a combination of two hundred sliding and lowering operations.

BY ORDER OF THE FIRE COMMISSIONER AND THE CHIEF OF DEPARTMENT