

I. INTRODUCTION

- A. Purpose: To provide Los Angeles County Fire Department (Department) fire series personnel with instruction and establish minimum standards for:
1. Hose identification and marking
 2. Hose loads
 3. Hose complements
 4. Reserve caches
- B. Scope: This instruction applies to all Department fire series personnel.
- C. Administrator: The deputy fire chiefs of the regional Emergency Operations Bureaus are responsible for the content, revision, and periodic review of this instruction.
- D. Definitions:
- 500 Series: Reserve engine and truck companies.
- B: Bypass hose.
- C (complement): Total amount of hose assigned to a unit. Includes hose load, and hose in storage.
- Division/battalion caches: Field site designed for storing 1 inch (") and 1½" wildland hose.
- Dual carrier: Engine which carries both large diameter hose 4" and 2½" hose.
- HS: Hard suction
- L (load): The reported amount of hose carried on a specific apparatus.
- NH: National Standard (hose) Thread
- NPSH: National Pipe Straight Thread
- Single carrier: Engine carries only 2½" supply and attack hose.
- SS: Soft suction

Survey: Equipment, which cannot be repaired.

II. RESPONSIBILITY

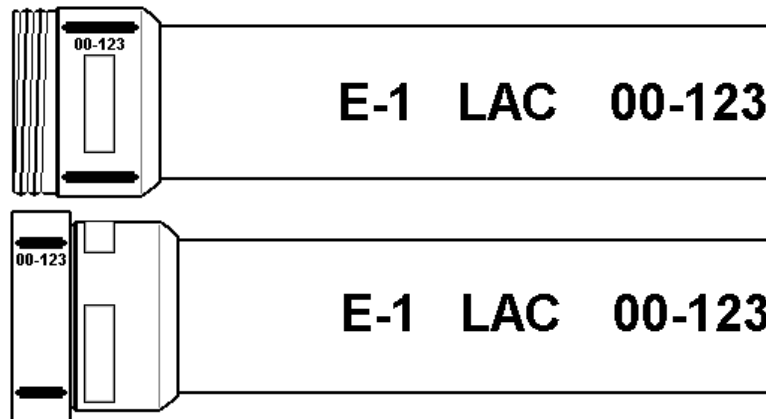
- A. All fire series personnel shall be familiar with the procedures contained in this instruction.
- B. Station captains shall:
 - 1. Ensure the minimum requirements for hose, as established by this instruction, are maintained.
 - 2. Order replacement hose in the event any hose is damaged beyond repair, lost, or stolen.

III. POLICY

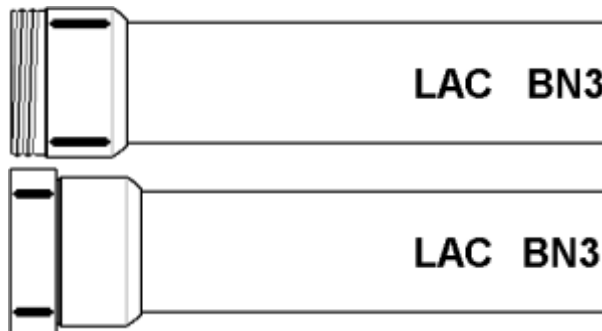
- A. This instruction establishes the Department's standard on hose load and complement requirements.
- B. The hose load and complement limits set forth in this instruction are minimum standards and may be exceeded with the approval of the jurisdictional assistant fire chief.
- C. Requests for new hose to meet the load or complement levels approved in this instruction shall be ordered on a Warehouse Requisition (Form 158A) containing hose requests only, with a Survey Request (Form 41) attached and forwarded through channels to the Pacoima Warehouse. The respective regional Emergency Operations Bureau deputy fire chief, prior to issue, approves all hose requests. Hose requested for a new position, that does not replace an existing complement, or that is specialized, must be ordered on a Request for Non-Stock Supplies and Services (Form 68).
- D. Identification and Marking

The following guidelines are to be used to identify and mark all hose carried on fire apparatus. The Administrative Services Bureau Materials Management Division, Property Inventory Unit, located at Pacoima Warehouse shall assign new hose numbers.

1. Hard suction hose shall be marked with the vehicle identification number, and engine company number.
2. Soft suction hose, by-pass hose, and all other hose shall carry the engine company number and “LAC” stenciled 3 feet (') from the “female” and “male” couplings on both ends.
3. Hose section numbers shall be engraved on the coupling parallel with and closest to the rocker lug on both ends.
4. Stencil hose number on all hose immediately after the “LAC” marking.



Note: 1” and 1½” wildland hose requires only “LAC” and battalion number at both ends, 3’ from the coupling.



E. Hose Load and Complement Charts

SYNTHETIC/RUBBER JACKET
SUPPLY HOSE
(numbers in feet ['] of hose)

Apparatus	3"		4"	
	Load	Complement	Load	Complement
Type 1 Engine – Frontline			800'	900'
Type 1 Engine – 500 Series			800'	900'
Type III Engine	500'	600'		
Quint			600'	700'
Truck				
Patrol				
Water Tender				

SYNTHETIC/RUBBER JACKET
SUPPLY HOSE
(soft suction and bypass)
(numbers in sections)

Apparatus	2½" Soft Suction		4" Soft Suction		4" Bypass	
	Load	Complement	Load	Complement	Load	Complement
Type 1 Engine – Frontline	2	2	2	2	2	2
Type 1 Engine – 500 Series	2	2	2	2	2	2
Type III Engine	2	2				
Quint	2	2	2	2		
Truck						
Patrol	1	1				
Water Tender						

HARD SUCTION HOSE
(numbers are in sections/feet ['])

Apparatus	1½" Hard Suction	2½" Hard Suction	4" Hard Suction
	Load and Complement	Load and Complement	Load and Complement
Type 1 Engine – Frontline			2 @ 10'
Type 1 Engine – 500 Series			2 @ 10'
Type III Engine			2 @ 8' 1 @ 7'
Quint			
Truck			
Patrol	2 @ 10' OR 3 @ 7'		
Water Tender		2 @ 10'	2 @ 10'

* Water Tender may be 2½" or 4" hard suction

SYNTHETIC JACKET
LADDER PIPE HOSE
(if not pre-plumbed)
(numbers in feet ['] of hose)

Apparatus	3"	
	Load	Complement
Quint	100'	200'
Truck	100'	200'

**SYNTHETIC JACKET
ATTACK HOSE**
(numbers in feet [']of hose)

Apparatus	1¾"		1¾" High Rise		2½"	
	Load	Complement	Load	Complement	Load	Complement
Type 1 Engine – Frontline	800'	900'	100'	100'	900'	1,000'
Type 1 Engine – 500 Series	700'	800'	100'	100'	900'	1,000'
Type III Engine	650'	750'				
Quint	400'	500'	200'	200'	300'	400'
Truck						
Patrol	200'	250'			200'	300'
Water Tender	300'	650'			200'	250'

**SYNTHETIC/RUBBER JACKET
REEL LINE HOSE**
(numbers in feet [']of hose per reel line)

Apparatus	1" Synthetic Double Jacket		1" Rubber (Red)	
	Load	Complement	Load	Complement
Type 1 Engine – Frontline	250'	250'	250'	250'
Type 1 Engine – 500 Series	250'	250'	250'	250'
Type III Engine	150'	200'		
Quint				
Truck				
Patrol	200'	300'		
Water Tender				

*Both reel lines may be the same type of hose depending on District needs.

* Reel line hose is based on a per-reel inventory.

SYNTHETIC JACKET WILDLAND HOSE
(numbers in feet ['] of hose)

Apparatus	1" Single Jacket		1½" Single Jacket	
	Load	Complement	Load	Complement
Type 1 Engine – Frontline	1,200'	2,400'	800'	1,600'
Type 1 Engine – 500 Series	1,200'	2,400'	800'	1,600'
Type III Engine	1,200'	2,400'	800'	1,600'
Quint				
Truck				
Patrol	600'	1,200'	400'	800'
Water Tender				

Note: This Load and Complement Chart shall serve as the minimum standard. Individual jurisdictional needs may dictate exceeding these minimum standards.

F. Division/Battalion Wildland Hose Cache

1. A division and/or battalion wildland hose cache's location and hose complement shall be determined by the jurisdictional assistant fire chief and battalion chief but shall include adequate 1" and 1½" wildland hose and identified in Manual A, Subject M (Department Resource List).