

Hose bridge - HCR4 - technical information

New policy number: **756**
 Old instruction number:
 Issue date: **24 June 2011**
 Reviewed as current: **23 January 2024**
 Owner: **Assistant Director, Property and TSS**
 Responsible work team: **Fleet Liaison Engineering and Equipment Team**

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1 Introduction

- 1.1 This policy describes the hose bridge HCR4s carried on Hose Layer Units (HLU) and explains their use, maintenance and testing.



LFB image id: 194890

2 Description

- 2.1 Sixteen hose bridges are carried on each HLU.
- 2.2 Designed to provide protection to hose whilst allowing a method of safe passage for vehicles.
- 2.3 Provides protection for two hose lines up to 90mm in diameter.
- 2.4 Each hose bridge has two jigsaw designed connectors on one side; the male plug fits securely into the female socket to allow any number of hose bridges to be connected together.
- 2.5 Technical details:**
- Weight: 20kg (2 person lift)
 - Size: L850 x W300 x H125mm
 - Materials: Natural rubber with a cast aluminium centre
- 2.6 Each hose bridge has three reflector strips and a pair of cat's eyes on each side to make them more visible.
- 2.7 Each hose bridge has a carrying handle cut into each end. The bridge should not be carried using the connectors.

3 Safety precautions

- 3.1 Full structural firefighting PPE is to be worn with hi-viz jerkins when using this equipment.
- 3.2 Warning signs should be deployed when hose bridges are used. The use of lighting and traffic cones should also be considered.
- 3.3 This equipment should be carried by two persons.
- 3.4 This equipment should be carried using the handles and not the connectors.

4 Operating instructions

- 4.1 Hose lines should be protected using hose bridges anywhere that hose crosses roadways and where vehicular traffic will still be moving.

- 4.2 The bridges should be laid inline with the wheels of oncoming traffic.
- 4.3 The hose bridges can be laid individually or with any number connected together. If connecting more than one hose bridge together; work away from the male connector side, so that the female connector of the hose bridge being laid drops onto the male connector of the hose bridge that has already been laid.
- 4.4 When hose bridges are used warning signs and lights if necessary, should be used to warn oncoming drivers of the hazard.

5 Maintenance and testing

- 5.1 Inspection frequency:
- On acceptance;
 - After use;
 - Quarterly.
- 5.2 Inspect hose bridge for damage paying particular attention to the condition of the connectors; abrasion damage can be disregarded unless excessive.
- 5.3 After use wash down with water to remove any detritus and/or road salt that may have accumulated before re-stowing.
- 5.4 To clean, wash with soapy water and rinse, pay particular attention to the condition of the cats eyes and reflective strips.

6 Defects

- 6.1 Hose bridges are a Category B item under the vehicle and equipment contract.
- 6.2 Defects should be reported on POMS part number: S9970.

7 Associated material

- 7.1 To be read in conjunction with the following material where necessary:
- Policy number 540 – Manual handling operations procedure
 - Policy number 707 – The control of infection and infectious diseases policy.
 - Policy number 724 – Appliance inventories and operational readiness
 - Policy number 749 – Hose layer unit (HLU)
 - Policy number 752 – Sign – police accident/slow (stand alone) – technical information
 - Policy number 753 – Traffic cones – technical information
 - Policy number 894 – Delivery hose – 90mm – technical information
 - Policy number 979 – Rescue – NOG
 - Policy number 985 – Operational safety management - knowledge skills and competence – NOG
 - Policy number 1000 – Fire contaminants

Document history

Assessments

An equality, sustainability or health, safety and welfare impact assessment and/or a risk assessment was last completed on:

EIA	12/10/20	SDIA	L - 14/10/20	HSWIA	24/11/20	RA	
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Audit trail

Listed below is a brief audit trail, detailing amendments made to this policy/procedure.

Page/para nos.	Brief description of change	Date
Page 1	Responsible work team changed from Engineering Fleet and Equipment Team to Fleet Liaison Engineering and Equipment Team.	30/10/2012
Throughout	Premier FireServe has been updated to the 'service provider'.	12/12/2012
Section 7 Throughout	Associated material added. Reviewed as current.	26/06/2014
Page 4	'Subjects list' table - template updated.	05/01/2015
Throughout	Minor amendments made throughout document, please read fully to familiarise yourself with the latest version.	13/06/2017
Page 1	Owner title updated to 'Technical & Service Support'.	12/01/2018
Section 7 Throughout	Policy number 724 - Appliance inventories and operational readiness, added. Reviewed as current.	25/11/2020
Throughout	All cross references to cancelled policies have been updated.	07/03/2022
Throughout	Cross references updated.	28/06/2022
Section 7	Additional references added. Reviewed as current.	23/01/2024

Subject list

You can find this policy under the following subjects.

Access	Equipment - Operational
Hoses and hosereels	Operational procedures
Procurement	Technical information

Freedom of Information Act exemptions

This policy/procedure has been securely marked due to:

Considered by: (responsible work team)	FOIA exemption	Security marking classification