



South African Maritime Safety Authority

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South African Maritime Code of Practice for Marine Fire Service Stations – the SAMFAS Code

TO MARINE FIRE SERVICE STATIONS, SHIP OPERATORS, MASTERS, SHIP'S AGENTS AND
PRINCIPAL OFFICERS

Summary

This marine notice introduces the new format of the old 'DOTFAS' code, now known as the 'SAMFAS' code, now in the form of a Marine Notice with the checklist included

1. Regulation 118(3) of the *Life-Saving Equipment Regulations, 1968*, requires all firefighting appliances installed on South African ships to be serviced at intervals not exceeding 12 months by a SAMSA-approved marine fire service station.
2. In 1986, in collaboration with the industry, the Department of Transport Marine Division developed a *Code of Practice for Marine Fire Service Stations (DOTFAS Code)*. The code aimed to set out the standards for the servicing of firefighting appliances. The code was revised in 2001, and in 2015 a thorough review of the DOTFAS Code and protocols was carried out. This resulted in numerous updates, corrections and additions to the code.
3. Since the Department of Transport Marine Division now exists in the form of SAMSA, the name of the Code has also changed.
4. The Application for Accreditation **Checklist** for Marine Fire Service Stations will also be included as an annex to this Marine Notice. The notice and checklist will be updated periodically as required.

20 July 2016

SM6/5/2/1

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South African Maritime Code of Practice for Marine Fire Service Stations (SAMFAS Code)

Revision 1.6 / July 2016

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1. FOREWORD

- 1.1 The purpose of this Code is to ensure that Marine Fire Fighting Appliances, Installations and Equipment are serviced, installed, and maintained in a safe and efficient manner by the companies adhering to its standards.
- 1.2 Compliance with this Code and accreditation in terms of this Code, satisfies the requirements of regulation 118(3) of the Life-Saving Appliances Regulations, 1968, as amended; and the requirements of regulation 7(1)(a), and Annex 2 Part 2(2) of the National Small Vessel Safety Regulations 2007 as amended.
- 1.3 The Code provides an enforceable set of unified standards applicable to all types of marine fire fighting appliances, installations and equipment. It applies to vessels of all sizes, types and nationalities.
- 1.4 Companies, wishing to be accredited in terms of this Code, shall be inspected / audited by the Authority at intervals not exceeding one year and such accreditation shall be valid for a period of one year.
- 1.5 A list of Companies in your area, with registered servicing capability as currently adhering to the standards of this Code is available from your local SAMSA office.
- 1.6 A Marine Notice will be published annually by the Authority, listing the accredited Companies and their registered servicing capabilities.

2. HISTORY

- 2.1 The Department of Transport, Fire Fighting Appliance Service Stations Committee (Short title: DOTFAS) was formed by the Principal Officer, Durban in September 1986.
- 2.2 The Committee was formed as a result of concern amongst ship surveyors that the proliferation of unmonitored companies offering Fire Fighting equipment servicing to ships was leading to a rise in the number of incidents of improper servicing.
- 2.3 The Committee operated under the auspices of the South African Maritime Safety Authority (SAMSA), which is the competent authority on matters concerning Safety of Life at Sea. The Committee membership comprised representatives of SAMSA, Department of Manpower, Portnet (Transnet National Ports Authority), Fire Departments, Ship Owners, Ship Repairers, Ship Agencies, Classification Societies and the Registered Marine Fire Services Stations operating in Durban.
- 2.4 The Committee agreed in November 1986 that a Code of Practice to regulate the activities of Marine Fire Service Stations was needed.
- 2.5 This Code was agreed to by all parties and published.
- 2.6 Subsequent amendments to Regulation 118 of the Life Saving Appliance Regulations in 1995 and 1999 have made it compulsory to carry out servicing of firefighting appliances at approved service stations, or by qualified ship's staff.
- 2.7 In 2015, through a review by SAMSA, various amendments and updates were made to the code, including the resolution to publish the code as a Marine Notice. **The DOTFAS committee is no longer in existence.**
- 2.8 This Code was last revised in 2015, and is now known as the SAMFAS code (The South African Maritime Code of Practice for Marine Fire Service Stations).

3. DEFINITIONS & INTERPRETATION OF TERMS

- 3.1 "**Designated Person**", means the "**Registered Competent Person**" designated by a Marine Fire Servicing Company to take responsibility for ensuring that servicing is safely and competently carried out and that the provisions of this Code are applied:

The Designated Person shall have authority to control the work processes in the Marine Fire Service Station and must have, as minimum, the following qualifications and experience:

3.1.1 **For Service Stations servicing hoses (and fittings) and portable extinguishers only:**

1. A fire extinguisher serviceman, registered with the South African Qualification & Certification Committee for the Fire Industry (SAQCC (Fire). Ref SANS 1475 *as amended*.
2. At least four years' experience in the servicing field, of which two years shall have been in servicing marine fire fighting appliances and equipment.

3.1.2 **For Service Stations servicing other equipment in addition to hoses and portable extinguishers, e.g. breathing apparatus and fixed installations:**

1. A fire extinguisher serviceman, registered with the South African Qualification & Certification Committee and qualified under SAQCC - Fire 1475 (Fire-Fighting Equipment) and for *fixed installations* SAQCC - Fire (Detection/Gas Suppression).
2. At least four years' experience in the Marine fire servicing field.
3. Have attended a manufacturer's training course or have satisfactorily carried out similar work on similar equipment or systems, at least four times under the supervision of a trained person. Such training course(s) or experience shall be verifiable.

- 3.2 "**Competent Person**" means an employee of a Marine Fire Servicing Company who is qualified to supervise personnel carrying out servicing of fire appliances.

3.2.1 The competent person must be a fire extinguisher serviceman, registered with the South African Qualifications & Certification Committee and qualified under SAQCC - Fire 1475 (Fire-Fighting Equipment) and for *fixed installations* SAQCC - Fire (Detection/Gas Suppression).

3.2.2 For a company to service other equipment in addition to portable extinguishers and hoses, e.g. B.A. sets and fixed installations, the Competent Person shall in addition to the SAQCC (Fire) registration, have completed at least two years' service in the marine fire servicing field.

In addition the Competent Person shall have attended a manufacturers training course, or have satisfactorily carried out similar work on similar systems at least twice under the supervision of a trained person; and such training course(s) or experience shall be verifiable.

- 3.3 "**Surveyor**" means a ship surveyor of the South African Maritime Safety Authority (SAMSA), appointed in terms of the Merchant Shipping Act (No. 57 of 1951) or a surveyor of a Classification Society to which is delegated certain functions in terms of section 4(d) of the Merchant Shipping Act, 1951, or any marine surveyor who is carrying out a Safety Survey on behalf of the vessel's Flag State Administration.
- 3.4 "**Servicing and Reconditioning**", means the measures taken by a competent person to determine the state of a fire fighting appliance, including thorough inspection and any necessary testing, cleaning, recharging and repair or replacement of parts, to restore the unit or system to the original manufacturers specification.
- 3.5 "**SABS 1475**", means the latest edition of the SABS specification for the Production of reconditioned Fire - Fighting Equipment - part 1.
- 3.6 "**Major Service**" means the procedure carried out as specified in SABS 1475 clause 5.3, its sub-clauses and normative references. It comprises of external and internal inspection, required maintenance, recharge, and pressure testing if due or necessary. It includes the maintenance to be carried out on water, foam and dry powder extinguisher types annually; and that required on carbon dioxide, Halon and stored pressure types at least every five years.
- 3.7 "**Recharged**" means the replacement of extinguishing agent and, when relevant, of the expellant of an extinguisher or system.
- 3.8 "**Pressure Test**" means subjecting the assembled containment vessel and fittings, and when applicable, associated hose or pipework to the test pressure as specified by the manufacturer, SABS 1475, or SABS 019-1985. Service Stations undertaking this work shall be certified in terms of SABS 1825 (1998) by the Department of Labour.
- 3.9 "**Service Station**" means a Marine Fire Fighting Appliances Service Station as approved by SAMSA.
- 3.10 The above definitions are without prejudice to the definitions given in SABS Codes 1475, 0105 (latest edition) or SABS 019-1985 or SABS 1825, which definitions shall take precedence when applying those Codes.

4. STANDARDS OF SERVICING

4.1 BASIC STANDARDS

4.1.1 All servicing of portable fire extinguishers shall be carried out in accordance with the provisions of SABS Code 0105 : "THE CLASSIFICATION, USE AND ROUTINE MAINTENANCE OF FIRE FIGHTING APPLIANCE (LATEST EDITION), PART 1: PORTABLE FIRE EXTINGUISHERS AND SABS Code 1475 "SPECIFICATION FOR THE MANUFACTURE OF RECONDITIONED FIRE FIGHTING EQUIPMENT- Part 1", (Latest Edition), unless the requirements of the vessel's Flag State Administration are more stringent, in which case the latter will be adhered to.

4.1.2 Pressure testing shall be carried out in accordance with the provisions of the SABS Codes 0105, SABS 1475 and SABS 0109-1985 (CODE OF PRACTICE FOR PORTABLE METAL CONTAINERS FOR COMPRESSED GASES), the Occupational Health & Safety Act, regulation C87 and/or the requirements of the Flag State Administration. The service station shall comply with the requirements of SABS Code 1825 (Portable Gas Test Stations).

4.1.3 Servicing of equipment other than portable extinguishers shall be carried out in accordance with the provisions of this Code taking full account of the requirements of the SOLAS Convention, Lifesaving Appliance Regulations, 1968, as amended, the Municipal Fire Department, Port Fire Services, the vessel's Flag State Administration and the manufacturer and his appointed agents.

4.1.4 Service Stations shall have the latest copies of the above codes, publications, regulations and manufacturer's service manuals.

4.1.5 Guidance on the requirements of particular Flag state may be sought from the vessel's Master, Safety Authority of the Flag State (via consulate) or SAMSA or the vessels Classification Society in cases where the issuing of Safety Certificates is delegated to them.

4.1.6 All service stations shall carry adequate and acceptable public liability and third party insurance covering work on vessels and ashore. ("Adequate" shall be determined by SAMSA)

4.1.7 All service stations must have manufacturer's approval for fitment, repair and service of fixed installations and be qualified under the SAQCC – Fire (Detection/Gas Suppression). For equipment where such manufacturers no longer exist, SAMSA will make a decision on verifying the capability of the service station to carry out the required service of the same.

4.1.8 All equipment used in the filling, service, cleaning or checking of any firefighting appliances must be operated, used, and be maintained according to manufacturer's instructions. The same equipment must have routine checks and minor service done according to the manufacturer's instructions, and be serviced only by service agents

approved by the same manufacturers. All servicing and maintenance of equipment must be recorded.

4.2 PERSONNEL

4.2.1 Designated Person

Each Service Station shall officially appoint one of their personnel as a Designated Person, who will take responsibility for ensuring that servicing is safely and competently carried out and that the provisions of this Code are complied with.

4.2.2 Competent Person

Persons carrying out servicing of any equipment, on board a vessel or ashore, must be under the constant and immediate supervision of a Competent Person.

4.3 PREMISES

4.3.1 Service Stations shall operate from registered premises duly inspected and certificated to trade as Marine Fire Service Stations by SAMSA in terms of this Code.

4.3.2 The premises shall comply with the requirement of SABS Code 1475.

4.4 EQUIPMENT

4.4.1 Service Stations shall be equipped in accordance with the provisions of SABS Code 1475 for fire extinguishers.

4.4.2 Fire Service Stations shall make use of recommended tools and equipment specified by manufacturers of B.A. sets and fixed installations.

4.4.3 Isotope level testers and other radioactive devices shall only be used in accordance with the provisions of the Radiation Department, Department of Health.

4.5 TYPE OF WORK UNDERTAKEN

4.5.1 Service Stations will only undertake work for which they have the appropriate qualified personnel and equipment. The SAMFAS assessment form will be the basis for determining the work which a Marine Fire Service Station may undertake.

4.5.2 Service Stations may NOT sub-contract any work whatsoever.

4.6 METHOD OF SERVICING

- 4.6.1 Servicing of Portable Fire Extinguishers will be carried out in accordance with the provisions of SABS 1475 and SABS 0105, unless the requirements of the Flag State Administration are more stringent. A lesser standards of servicing than that set out in SABS 1475 shall not be undertaken.

Registered Service Stations should advise clients with regard to the following vital aspects of dry powder extinguishing charges:

- 4.6.1.1 In applications where dry powder and foam extinguishers are situated such that deployment together may occur, the dry powder charges shall be compatible with the foam charge, which could be used in the same area.
- 4.6.1.2 In applications where dry powder and foam extinguishers are situated for accommodation protection, the dry powder should be of type to be effective on A-class fire as well as B and C.
- 4.6.2 Servicing of Fixed Installations and B.A. sets will be strictly in accordance with manufacturer's recommended procedures. Service Stations must be in possession of the appropriate manuals, drawings and/or specifications before commencing such work, and have manufacturer's approval to carry out any service or repair.
- 4.6.3 Discharge or disposal of any chemicals or pollutants including but not limited to dry powder and AFFF foam, shall be done in an environmentally friendly and responsible manner, in compliance with all relevant municipal and national by-laws and regulations.
- 4.6.4 Marine Fire Service Stations must ascertain Flag State Administration or shipping company policy on colour coding and apply the same. When renewing instruction labels for correct and safe operation, the use of diagrams or symbols is encouraged, in accordance with SABS 1475; but the Flag State Administration requirements shall take precedence.

5. SAMFAS STATION SERVICE CERTIFICATION

- 5.1 On completion of any form of service the Marine Fire Service Station must issue the vessel with a certificate. The following details must be incorporated in an easily understood form on the certificate or an attachment to the certificate:
- 5.1.1 Date of work
 - 5.1.2 Type of System / Units Serviced
 - 5.1.3 Number of each type serviced (and their serial number/s)
 - 5.1.4 Location of System / Units
 - 5.1.5 Nature of work carried out
 - 5.1.6 Signature of designated person, or representative thereof
 - 5.1.7 SAQCC registration number of technician
- 5.2 More than one certificate may be issued if fixed and portable equipment is serviced at the same time.
- 5.3 When specifying the location of extinguishers, it is required to specify the number of each type located in, and out of, machinery spaces.
- 5.4 When specifying the nature of the servicing work carried out, the following terms (where applicable, as previously defined in section 3) shall be used; with the additional information as indicated below in parentheses:
- External Inspection and Maintenance
 - Complete Maintenance
 - Recharging: (If powder renewed, state type; or state "powder re-used")
 - Pressure Test: (State whether hydrostatic or by nitrogen gas and test pressure and duration of test)
 - Other: (Specify)
- 5.5 In addition to the certificate required above, individual units shall carry the Marine Fire Service Station seals and a label, showing service date, statement that the unit is in working order, signature, and registered number of the "Competent Person".
- 5.6 Each Certificate shall carry an individual number to be used for one vessel only, and a copy kept at the Service Station premises for inspection.

5.7 Permanent records shall be kept for all equipment serviced / repaired / hydrostatically tested, including serial numbers of equipment and date of test.

For hydrostatic testing the previous records of test (where available) shall be consulted so as to determine the cumulative permanent set developed by the cylinder. The cumulative permanent set shall not exceed the total allowable permanent set.

6. SAMFAS ACCREDITATION CERTIFICATION

- 6.1 All Service Stations which are found to comply with the requirements of the SAMFAS Code will be issued a certificate.
- 6.2 The certificate will indicate the type of services the Service Station is accredited to perform.
- 6.3 The certificate will specify the type of equipment for which they have manufacturer's approval to service. This approval may be sighted by the surveyor.
- 6.4 The certificate must be prominently displayed.

7. CONTROLLING THE CODE

- 7.1 All Marine Fire Service Stations that wish to be registered as adhering to the provisions of the Code shall submit an application, complete the assessment form, and be inspected by SAMSA.
- 7.2 On satisfactory completion of the form and the inspection, the name of the Service Station and its capabilities will be placed on a list of Registered Marine Fire Service Stations. The South African Maritime Safety Authority shall, from time to time, publish a Marine Notice with the names and details of accredited Marine Fire Service Stations.
- 7.3 On satisfactory completion of an inspection of a Marine Fire Service Station, SAMSA will issue the Station with a certificate of registration and accreditation. Such certificate shall be valid for one year. SAMSA surveyors may visit a registered Marine Fire Service Station at any time during the period of validity of the certificate for audit purposes.
- 7.4 Infringement or non-compliance of the provisions of the Code noted at inspections or audits, shall be brought to the attention of the Marine Fire Service Station in writing. A period of up to 60 days, depending upon the severity of the infringements will be granted to rectify the situation.
- 7.5 If a Service Station does not rectify the situation in 7.4 in the set period their name will be struck from the registered list and the information circulated.
- 7.6 Ship surveyors engaged on Safety Equipment Surveys or Port State Control Inspections will accept certificates issued by registered Marine Fire Service Stations as *prima facie* evidence that the equipment serviced is in good order.
- 7.7 Ship Surveyors may not accept Certificates issued by unregistered service stations and will carry out such subsequent steps as they consider appropriate. They will draw the attention of the vessel's Master, the Agent and the unregistered Marine Fire Service Station to the Regulations as well as existence and provisions of the Code.
- 7.8 In the event of a dispute arising with regard to control under this Code, the disputing parties may apply to the closest SAMSA Principal Officer in writing with the period of grace given under 7.4 to appoint three arbitrators from its number, who shall rule on the matter in accordance with the principles of this Code. Their decision shall be binding. In this case clause 7.5 shall not be invoked pending the ruling of the arbitrators.

8. MARINE FIRE SERVICE STATIONS ASSESSMENT / REGISTRATION

An application for registration and assessment form is available, on request,
from SAMSA marine office:

	Durban	
Tel.: (031) 307 1501		Fax: (031) 306 4983
	Cape Town	
Tel.: (021) 421 6170		Fax: (021) 419 0703
	Richards Bay	
Tel.: (035) 788 0068		Fax: (035) 788 0067
	Saldanha Bay	
Tel.: (022) 714 1612		Fax: (022) 714 3635
	East London	
Tel.: (043) 722 4120		Fax: (043) 722 2264
	Mossel Bay	
Tel.: (044) 690 4201		Fax: (044) 691 1206
	Port Elizabeth	
Tel.: (041) 585 0051		Fax: (041) 582 1213

9. DISCLAIMER

The purpose of this Code is to provide unified standards. Nothing contained in it is to be regarded as constituting a warranty or representation, breach of which could otherwise give rise to any liability for loss or damage, and the South African Maritime Safety Authority, and every Marine Fire Service Station and every agent of them shall be deemed to have disclaimed such liability.

CHECKLIST FOR ACCREDITATION AS A MARINE FIRE SERVICE STATION



INSPECTION LIST IN TERMS OF THE SAMFAS CODE 2016

1. Name of Servicing Station: _____ Date of Inspection: _____

2. Address: _____ Tel.: _____

_____ Fax: _____

_____ EMail: _____

Alternative Address

Yes	No
-----	----

Mobile Station

Yes	No
-----	----

3. Registration

3.1 Company Registration No. _____

SABS Approval (Government Notice R1591 04/10/1196 refers)

Portable fire extinguishers

1. No user shall use, require or permit the use of a portable fire extinguisher unless designed, constructed, filled, recharged, reconditioned, modified, repaired, inspected or tested in accordance with a safety standard incorporated into these regulations in terms of section 44 of the Act.
2. No person shall fill, recharge, recondition, modify, repair, inspect or test any hand portable extinguisher unless they hold a permit issued by the South African Bureau of Standards in terms of SABS 1475

3.2 SANS 1475 Approval

Yes	No
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Approval date _____

(Without SANS 1475 approval, SAMFAS approval cannot be issued)

3.3 **Insurance**

Company _____ Policy No. _____

Public Liability Cover Amount (Rands) _____

3.4 **High Pressure Testing of Cylinders**

SANAS Approval

Yes	No
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SANAS Authorisation is mandatory

SANAS Approval date _____

Radiation Control Authority (Dept. of Health) No. _____

Ultrasonic Equipment (State type) _____

Are all relevant Certificates displayed e.g. SABS,
Classification Society, SANS, SAQCC

Yes	No
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4. **Manuals, Publications & Records required by the SAMFAS Code**

*Service Stations are required to hold the **latest editions** of the following:*

4.1 Copy of the SAMFAS Code	Yes	No
4.2 SANS 1456-1:2013 – Part 1. Collapsible delivery hose for firefighting purposes. Part 1: General requirement & methods of test. Edition 1.03.	Yes	No
4.3 SANS 1456-2:2007 – Part 2: Percolating fire hose. Edition 1.03	Yes	No
4.4 SANS 1475 – The production of reconditioned fire-fighting equipment Part 1:2010 Portable and rechargeable fire extinguishers. Edition 3.04 Part2:2010 Fire hose reels and above ground Hydrants. Edition 4.01	Yes	No
4.5 SABS 1567 :2014 - Portable rechargeable fire extinguishers - Co2 type extinguishers. Edition 2.02	Yes	No
4.6 SANS 1739:2013 -Low pressure welded steel cylinders for fire extinguishers Edition 1.02	Yes	No
4.7 SANS 1910:2009 – Portable refillable fire extinguishers. Edition 1.02	Yes	No
4.8 SANS 10019:2011 – Transportable containers for compressed dissolved and liquefied gases – Basic design, manufacture, use and maintenance. Edition 7.00	Yes	No
4.9 SANS 10105-1:2010 –The use and control of firefighting equipment Part 1. Portable and wheeled (mobile) fire extinguishers. Edition 3.01 SANS 10105-2:2010- The use and control of firefighting equipment Part 2. Fire hose reels and above ground hydrants. Edition 3.01	Yes	No
4.10 SANS 1128-2:2010 – Fire Fighting Equipment Part 2: Hose couplings, connectors and branch pipe and nozzle connections. Edition 2.01	Yes	No
4.11 SANS 11601:2005 – Wheeled fire extinguishers – Performance and construction Edition 1.0	Yes	No
4.12 SANS 306-4: 2003 – Fire extinguishing installations and equipment on premises. Part 4: Specifications for CO2 Systems. Edition 1.00	Yes	No
4.13 Record of Pressure Tests	Yes	No
4.14 Occupational Health & Safety Act 85 of 1993 (latest edition) & Regulations	Yes	No
4.15 FSS Code (International Code for Fire Safety Systems) for vessel over 500GT – 2015 Edition.	Yes	No
4.16 Calibration Cert. for gauges, or Master gauge (test annually).Calibration Cert. for scales (annually) Test Weight Cert. for test weights (annually) 5kgs, 10kgs, 1kg	Yes	No
4.17 Equipment Manuals, Maintenance and service records.	Yes	No

5. **Premises:**

5.1	Total area _____m ² Is this indicated?	Yes	No
5.2	Pressure Test area _____m ² separated & Safety notice	Yes	No
5.3	Dry Powder area _____m ² Separate?	Yes	No
5.4	Dry Powder Storage receptacles?	Yes	No
5.5	Is Area clean?	Yes	No
5.6	Is dry-powder room fitted with an extractor fan and safety signs posted?	Yes	No
5.7	Are Nitrogen and/or CO2 cylinders stored in a well ventilated place and safety signs posted?	Yes	No

6. **Designated Persons:**

- 6.1 Name _____ ID No. _____
- 6.2 Position in the Company _____
- 6.3 Qualifications (Certificates) _____ (COC) _____
- 6.4 Relevant Experience _____ (Min 4 yrs.2yr marine)
- 6.5 Relevant Training _____

8.2 **Pressure Testing**

What pumps available? _____.

Maximum pressure available? _____ KPa

Gauge reads maximum _____ kPa (May not be more than 2xTest Pressure)

Pressure gauge tester or duplex master pressure gauge

Yes	No
-----	----

Drying racks

Yes	No
-----	----

Hot air generator

Yes	No
-----	----

What cylinders can be tested?

- Low pressure 3 000 kPa (water, dry powder)
- High pressure 24 000 kPa (CO₂ & cartridges)
- breathing apparatus

Yes	No
Yes	No
Yes	No

8.3 **Scales** _____

- Date of Trade & Industry Inspection (annual) _____

9. **Demonstrations**

9.1 - low pressure cylinder test

Mechanical means

Satisfactory	Not	N/A
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Hand pump

Satisfactory	Not	N/A
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9.2 - high pressure cylinder test

Mechanical means

Satisfactory	Not	N/A
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Name of demonstrator _____

9.3 - Servicing portable foam

Satisfactory	Not
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9.4 - Date and ID stamping on cylinders tested.

Satisfactory	Not
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10. **Fire hoses**

Do you test fire hoses

Yes	No
-----	----

If so, how? _____

11. **Type of work** - for which station will be registered.

11.1	<input type="checkbox"/>	Pressure testing of low pressure cylinders only
11.2	<input type="checkbox"/>	Pressure testing of all cylinders and cartridges
11.3	<input type="checkbox"/>	Servicing of portable extinguishers (water, powder, CO ₂)
11.4	<input type="checkbox"/>	Pressure testing and maintenance of fire hoses
11.5	<input type="checkbox"/>	Installation and maintenance of fixed fire detecting & extinguishing systems* (Show that competent person (s) for this type of work is manufacturer approved for purpose)
11.6	<input type="checkbox"/>	Installation and maintenance of alarm systems*
11.7	<input type="checkbox"/>	Servicing of Breathing Apparatus sets
11.8	<input type="checkbox"/>	Filling of BA Sets

*If only installation, then delete maintenance and vice versa

12. **Declaration:**

We hereby declare that the above particulars are true and correct.

Designated Person

Date

SAMSA Surveyor