



**THE ISLE OF MAN
CODE OF PRACTICE FOR THE SAFETY
OF
SMALL FISHING VESSELS**
(Less than 15 M LOA)

ISLE OF MAN MARINE ADMINISTRATION
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Effective from 1ST APRIL 2006

1. Foreword

The aim of this Code of Practice is to improve safety in the under 15 metres length overall (LOA) sector of the fishing industry and to raise the safety awareness of all those involved with the construction, operation and maintenance of fishing vessels with a length of less than 15 metres LOA.

2. Development

The Code was developed by the UK's Maritime and Coastguard Agency who have kindly permitted and assisted the Marine Administration in adopting and applying the Code for the Isle of Man.

This document is the UK Code modified to take account of local circumstances and is called the "Isle of Man code of Practice for the Safety of Small Fishing Vessels". Any references to the "Code" in this document are references to the Isle of Man Code.

The Isle of Man Marine Administration would like to thank the MCA, Seafish, the Manx Fish Producers Organisation and those fishermen and persons from the Industry who have greatly contributed to the process of adopting the Code for the Isle of Man.

3. Application of the Code

This Code applies to Manx fishing vessels under 15 metres length overall (LOA) and replaces the requirements of the Fishing Vessels (Safety Provisions) Rules 1975 and the Fishing Vessel (Life Saving Appliance) Regulations 1988 as they are applied to the Isle of Man.

4. Summary

To be Compliant with the Code a vessel owner must:

Ensure the vessel complies with the checklist of requirements as is appropriate to the length and construction of the vessel (Annex 1 – 6);

Complete or arrange completion of, an assessment of the health and safety risks arising in the normal course of work activities or duties on the vessel; and

Present the vessel for inspection either voluntarily or as requested by the Marine Administration at intervals not exceeding 5 years and to the Harbours Division between 24 months and 36 months from date of first or most recent 5 year inspection.

5. Interpretation

"Length overall" or "LOA" means the distance between the foreside of the foremost fixed permanent structure and the aftside of the aftermost fixed permanent structure; and
"fixed permanent structure" -

- (a) includes any portion of the hull which is capable of being detached, but which is fixed in place during the normal operation of the vessel,
- (b) does not include functional arrangements such as safety rails, bowsprits, pulpits, stemhead fittings, rudders, steering gear, outdrives, outboard motors, propulsion machinery, driving platforms, rubbing strips and fenders, other than where such functional arrangements are designed to replace any part of the hull that has been removed.

"Manx Fishing Vessel" means a fishing vessel registered in the Island under Part III of the Merchant Shipping Registration Act 1991.

6. Responsibility of Owner and Skipper

It is the responsibility of both the vessel owner and the skipper to ensure that the vessel is operated in accordance with the Code at all times.

7. Mandatory Training Courses

All crew working on a Manx registered fishing vessel are required to ensure that they have completed any mandatory training courses specified by the Marine Administration.

8. Equipment

Vessels shall be equipped in accordance with the requirements set out in Annexes 1 to 6 of this Code as apply to the length and construction of the vessel.

9. Risk Assessments

A vessel owner must complete, or arrange completion of, an assessment of the health and safety risks arising in the normal course of work activities or duties on the vessel. Employers are required to make a suitable and sufficient assessment of the risks to the health and safety of workers arising in the normal course of their activities or duties.

A risk assessment is intended to be a careful examination of what, in the nature of operations could cause harm, so that decisions can be made as to whether enough precautions have been taken or whether more should be done.

The assessment should first identify the hazards that are present and then establish whether a hazard is significant and whether it is already covered by the satisfactory precautions to control the risk, including consideration of the likelihood of the failure of those precautions that are in place.

It is not a requirement that a risk assessment be written, nevertheless the Marine Administration strongly recommends that such assessments be written. An example of a suitable standard of written risk assessment is included in the Fishing Vessel Safety Folder developed by Seafish and available free of charge from the Marine Administration, which also provides pro-forma guidance on fishing vessel risk assessment, both generally and in relation to particular modes of fishing.

10. Inspections

Renewal Inspections:

Vessels shall be presented for inspection either voluntarily or as requested by the Marine Administration at intervals not exceeding five years. On satisfactory completion of the inspection a Small Fishing Vessel Certificate¹ (Annex 7) will be issued. Inspections can be arranged by calling the Marine Administration on 688500. No fee will be charged for the inspection or issue of Certificate. If deficiencies are found which necessitate follow-up visits, fees may be charged to the owner in accordance with the Marine Administration fee regulations applicable at the time of the follow-up visit.

In addition, for vessels between 12m (L) and under 15 m (LOA) stability information is required to be verified at renewal inspections as provided for by Annex 8.

¹ Certificate may be in the format shown in the example at Annex 7 or as may be specified by the Marine Administration

Intermediate Inspections:

Vessels shall be presented for inspection either voluntarily or as requested by the Harbours Division of the Department of Transport between 24 months and 36 months from the date of issue of the first or most recent 5 year Inspection. The Harbours Division of the Department of Transport is acting as a delegated authority of the Marine Administration for the purposes of this Inspection.

The Intermediate Inspection shall verify that:

- Safety equipment carried on board the vessel has been suitably maintained;
- Safety and other specified equipment continues to comply with the checklist appropriate to the length and construction of the vessel; and
- The health and safety risk assessment remains appropriate to the vessel's fishing method and operation. If there has been a change of fishing method or of operational practice, the assessment must be revised accordingly.

On completion of these checks, the inspector shall endorse the Small Fishing Vessel Certificate (Annex 7) confirming that the vessel complies with the Code. For vessels of 10m and over LOA the Small Fishing Vessel Certificate should be kept on board. For vessels of less than 10 metres in length there is no requirement to retain the certificate on board although it must be made available upon request to either the Marine Administration or Harbours Division. Please remember that any vessel going to a port outside of the Isle of Man should carry on board their Small Fishing Vessel Certificate as they are liable to inspection by other port authorities.

Other Inspections:

A vessel may be inspected by the Marine Administration or Harbours Division or other delegated authority at any time to check compliance with Code requirements.

11. Modifications and Repairs

Modifications or alterations to the vessel's structure and/or the removal or repositioning of any equipment as detailed in the Record of Particulars and Equipments, changes in the vessel's mode of fishing and/or its gear to other than those habitually employed, and the fitting of additional equipment should be investigated prior to making any changes, to ensure that the vessel will continue to comply with the required stability criteria. In addition, such modifications or alterations should only be carried out after the skipper or owner has notified the Marine Administration in writing and obtained their approval. No charge shall be made by the Marine Administration for undertaking any work in relation to this or for providing any approval in accordance with this section.

Modifications or alterations made to a vessel without informing and obtaining approval from the Marine Administration shall have the effect of making the vessel non-Code compliant. A vessel shall then be subject to a full inspection by the Marine Administration to determine whether or not the vessel remains Code compliant and in a safe condition to go to sea.

Where an inspection is required by the Marine Administration as a result of unauthorized modifications fees may be charged to the owner in accordance with the Marine Administrations fee regulations applicable at the time.

12. Additional Requirements for new fishing vessels

New fishing vessels, with a length of less than 15 metres LOA (defined as those for which a keel was laid or construction of lay-up was started after 1st April 2006) must comply with the construction and outfit standards issued by Seafish, or an equivalent standard recognized by the Marine Administration. The standards used shall be those applicable at the time of construction. Table 1 below list the Certification required.

Table 1 Build Certification Required.

Vessel Length	Hull Construction Certificate	Outfit Compliance Certificate	Safety Checklist Annex 1 - 6	Stability Information
Under 7m LOA	Yes	Not Required	Yes	Not Required
7m LOA to less than 15m LOA	Yes	Yes	Yes	Not Required
12m Registered length to less than 15m LOA	-	-	-	Yes

13. First Registration

All vessels will be inspected by the Marine Administration prior to registry. On satisfactory completion of an inspection, a Small Vessel Certificate² (Annex 7) shall be issued confirming that the vessel complies with the Code.

On first registration of a new fishing vessel (defined as those for which the keel was laid or construction or lay-up was started after 1st April 2006) the owner shall also supply the required hull construction and outfit certificates to the Marine Administration.

14. Change of Ownership

Risk Assessments of the vessel are particular to each employer. When a vessel is sold, the new owner must complete, or arrange the completion of, a new risk assessment.

15. Penalties

A vessel that is found, in the course of inspection, not to have been equipped, the safety equipment properly maintained and assessed in accordance with the Code, or is in an unsafe condition to proceed to sea, may be liable to detention by officer from the Marine Administration. An owner whose vessel fails to comply with the Code or who makes a false declaration may be liable to prosecution. A skipper who fails to operate the vessel in accordance with the Code may also be liable to prosecution.

16. Appeal Procedures

If an owner is dissatisfied with an inspection then this should in the first instance be discussed with the person who carried out the inspection.

If agreement cannot be reached with the person who carried out the inspection the owner may refer the matter to the Principal Marine Surveyor (Fishing Vessels) at the Marine Administration.

² Certificate may be in the format shown in the example at Annex 7 or as may be specified by the Marine Administration

If the owner remains unsatisfied, a complaint in writing, including any previous correspondence regarding the complaint should be made to the Director of the Marine Administration.

If an owner is still not content with the way in which the complaint has been handled by the Marine Administration, a request may be made for it to be referred to an adjudicator who is independent of the Marine Administration.

17. Transitional Arrangements

The Code will come into effect **1st April 2006**.

It is the responsibility of the owner of any fishing vessel to which this Code applies to contact the Marine Administration in good time before the 1st April 2006 to arrange for an inspection against the requirements of the Code.

Please note that existing arrangements for pyrotechnics as set out in the 1975 rules shall continue to be acceptable after the 1st April 2006 until they expire on the condition a buoyant smoke float is provided as of the 1st April 2006. Replacement of the pyrotechnics after 1 April 2006 shall be in accordance with the requirements of this Code.

18. Further Information

Further guidance on this Code is found at Annex 8 to this document - Guidance for Surveyors, Inspectors and Fishermen and Annex 9 - Anchors and Cables.

OPEN Vessel less than 7m Registered Length

Mandatory Item	Remarks/Compliance	Expiry/Service Date
Lifejackets – 1 per person (SOLAS approved)		
1 Lifebuoy (with 18m buoyant line attached)		
3 Parachute Flares		
2 Hand Held Flares		
1 Smoke Signal, buoyant or hand held		
1 Fire bucket + Lanyard		
1 Multi-purpose Fire Extinguisher (fire rating 5A/34B) – if vessel has in board engine		
1 Fire Blanket (light duty) if vessel has galley or cooking area		
VHF Radio – fixed or hand held		
Navigation Lights, Shapes and Sounds Signals ³		
Radar Reflector		
Compass		
Medical Kit		
Waterproof Torch		
Anchor and cable/warp		
Bailer		

In addition to the Mandatory Requirements the following items are recommended:

Recommended Item	Remarks	Expiry/Service Date
Working vest - 1 per person		
It is recommended that the fixed or hand held VHF Radio listed above is fitted with DSC		

³ The reference to Navigation Lights, Shapes and Sound Signals is a requirement to comply in accordance with the requirements of SD389/96 Merchant Shipping (Distress Signals and Prevention of Collisions) Regulations 1996 and is not a separate regulatory requirement.

OPEN Vessels 7m and above to less than 12m registered length

Mandatory Item	Remarks/Compliance	Expiry/Service Date
Lifejackets – 1 per person (SOLAS Approved)		
2 Lifebuoys (1 with 18m buoyant line attached) <u>or</u> 1 Lifebuoy (with 18m buoyant line) + 1 Buoyant Rescue Quoit		
3 Parachute Flares		
2 Hand held Flares		
1 Smoke Signal (buoyant or hand held)		
1 Fire bucket + Lanyard		
1 Fire Pump + Hose <u>or</u> 1 Fire Bucket		
1 Multi-purpose Fire Extinguisher (fire rating 5A/34B)		
1 Multi-purpose Fire Extinguisher for oil fires (fire rating 13A/113B)		
1 Fire Blanket (light duty) in galley or cooking area (if applicable)		
VHF Radio – fixed or hand held		
Navigation Lights, Shapes & Sound Signals ⁴		
Radar Reflector		
Compass		
Medical Kit		
Waterproof Torch		
Bilge Pump		
Anchor and cable/warp		

In addition to the Mandatory Requirements the following items are recommended:

Recommended Items	Remarks	Expiry/Service Date
Working Vests – 1 per person		
Liferafts with release arrangements recommended for operation 12Nm from shore		
It is recommended that the fixed or hand held VHF Radio listed above is fitted with DSC		
EPIRB (can be handheld) is strongly recommended for operation 12Nm from shore		
Additional Medium Frequency Radio (DSC) strongly recommended for operation 30 Nm from shore		

⁴ The reference to Navigation Lights, Shapes and Sound Signals is a requirement to comply in accordance with the requirements of SD389/96 Merchant Shipping (Distress Signals and Prevention of Collisions) Regulations 1996 and is not a separate regulatory requirement.

OPEN Vessels 12m Registered length and above to less than 15m Overall Length

Mandatory Item	Remarks/Compliance	Expiry/Service Date
Lifejackets – 1 per person (SOLAS Approved)		
Liferafts with release arrangement		
2 Lifebuoys (1 with 18m buoyant line attached) <u>or</u> 1 Lifebuoy (fitted with 18m buoyant line) + Buoyant Rescue Quoit		
3 Parachute flares		
2 Hand held flares		
1 Smoke Signal (buoyant or hand held)		
1 Fire bucket + Lanyard		
1 Fire Pump + Hose <u>or</u> 1 Fire Bucket		
1 Multi-purpose Fire Extinguisher (fire rating 5A/34B)		
1 Multi-purpose Fire Extinguisher for oil fires (fire rating 13A/113B)		
1 Fire Blanket (light duty) in galley or cooking area (if applicable)		
VHF Radio – fixed or hand held		
Navigation Lights, Shapes and Sound Signals ⁵		
Radar Reflector		
Compass		
Medical Kit		
Waterproof Torch		
Anchor and cable/warp		
Bilge Pump		

In addition to the Mandatory Requirements the following items are recommended:

Recommended Item	Remarks	Expiry/Service Date
Working Vests – 1 per person		
It is recommended that the fixed or hand held VHF Radio listed above is fitted with DSC		
EPIRB (can be handheld) is strongly recommended for operation 12Nm from shore		
Additional Medium Frequency Radio (DSC) strongly recommended for operation 30 Nm from shore		

⁵ The reference to Navigation Lights, Shapes and Sound Signals is a requirement to comply in accordance with the requirements of SD389/96 Merchant Shipping (Distress Signals and Prevention of Collisions) Regulations 1996 and is not a separate regulatory requirement.

DECKED Vessels of less than 10m Registered length

(Decked vessel – means a vessel with continuous watertight weather deck that extends from stem to stern and has positive freeboard throughout, in any condition of loading the vessel.)

Mandatory Item	Remarks/Compliance	Expiry/Service Date
Lifejackets – 1 per person (SOLAS Approved)		
2 Lifebuoys (1 with 18m buoyant line attached) <u>or</u> 1 Lifebuoy (fitted with 18m buoyancy line) + 1 Buoyant Rescue Quoit		
3 Parachute Flares		
2 Hand held Flares		
1 Smoke Signal (buoyant or hand held)		
1 Fire Bucket + Lanyard		
1 Fire Pump + Hose <u>or</u> 1 Fire Bucket		
1 Multi-purpose Fire Extinguisher (fire rating 5A/34B)		
1 Multi-purpose Fire Extinguisher for oil fires (fire rating 13A/113B)		
1 Fire Blanket (light duty) in galley or cooking area (if applicable)		
Smoke Alarm (accommodation space)		
Gas Detector (if appropriate)		
VHF Radio – fixed or hand held		
Navigation Lights, Shapes and Sound Signals ⁶		
Radar Reflector		
Compass		
Medical Kit		
Waterproof Torch		
Anchor and cable/warp		
Bilge Pump		
Bilge Level Alarm		

In addition to the Mandatory Requirements the following items are recommended:

Recommended Item	Remarks	Expiry/Service Date
Working Vests – 1 per person		
Flame Detector in Machinery Space		
Liferafts with release arrangements recommended for operation 12Nm		
It is recommended that the fixed or hand held VHF Radio listed above is fitted with DSC		
EPIRB (can be handheld)is strongly recommended for operation 12Nm from shore		
Additional Medium Frequency Radio (DSC) strongly recommended for operation 30 Nm from shore		

⁶ The reference to Navigation Lights, Shapes and Sound Signals is a requirement to comply in accordance with the requirements of SD389/96 Merchant Shipping (Distress Signals and Prevention of Collisions) Regulations 1996 and is not a separate regulatory requirement.

DECKED Vessels of 10m above Registered length to less than 12m Registered Length

(A decked vessel means a vessel with continuous watertight weather deck that extends from stem to stern and has positive freeboard throughout, in any condition of loading the vessel.)

Mandatory Item	Remarks/Compliance	Expiry/Service Date
Lifejackets – 1 per person (SOLAS Approved)		
Liferafts with release arrangement		
2 Lifebuoys (1 with 18m buoyant line attached) <u>or</u> 1 Lifebuoy (fitted with 18m buoyant line) + Buoyant Rescue Quoit		
3 Parachute flares		
2 Hand held flares		
1 Smoke Signal (buoyant or hand held)		
1 Fire bucket + Lanyard		
1 Fire Pump + Hose <u>or</u> 1 Fire Bucket + 1 Multi-purpose Fire Extinguisher (fire rating 5A/34B) + 1 Fire Extinguishing system for the machinery space		
1 Multi-purpose Fire Extinguisher (fire rating 5A/34B)		
1 Multi-purpose Fire Extinguisher for oil fires (fire rating 13A/113B)		
1 Fire Blanket (light duty) in galley or cooking area(if applicable)		
Smoke Alarms (Accommodation Spaces)		
Gas Detector (if appropriate)		
VHF Radio – fixed or hand held		
Navigation Lights, Shapes and Sound Signals ⁷		
Radar Reflector		
Compass		
Medical Kit		
Waterproof Torch		
Anchor and cable/warp		
Bilge Pump		
Bilge Level Alarm		

In addition to the Mandatory Requirements the following items are recommended:

Recommended Item	Remarks	Expiry/Service Date
Working Vests – 1 per person		
Flame Detector in Machinery Space		
It is recommended that the fixed or hand held VHF Radio listed above is fitted with DSC		
EPIRB (can be handheld) is strongly recommended for operation 12Nm from shore		
Additional Medium Frequency Radio (DSC) strongly recommended for operation 30 Nm from shore		

⁷ The reference to Navigation Lights, Shapes and Sound Signals is a requirement to comply in accordance with the requirements of SD389/96 Merchant Shipping (Distress Signals and Prevention of Collisions) Regulations 1996 and is not a separate regulatory requirement.

DECKED Vessels 12m Registered length and above to less than 15m Overall Length

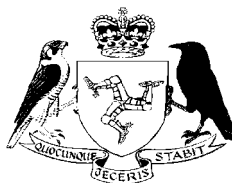
(A decked vessel means a vessel with continuous watertight weather deck that extends from stem to stern and has positive freeboard throughout, in any condition of loading the vessel.)

Mandatory Item	Remarks/Compliance	Expiry/Service Date
Lifejackets – 1 per person (SOLAS Approved)		
Liferafts with release arrangement		
2 Lifebuoys (1 with 18m buoyant line attached) <u>or</u> 1 Lifebuoy (fitted with 18m buoyant line) + Buoyant Rescue Quoit		
3 Parachute flares		
2 Hand held flares		
1 Smoke Signal (buoyant or hand held)		
1 Fire bucket + Lanyard		
1 Fire Pump + Hose <u>or</u> 1 Fire Bucket +1 Multi-purpose Fire Extinguisher (fire rating 5A/34B) + 1Fixed Fire Extinguishing system for the machinery space		
1 Multi-purpose Fire Extinguisher (fire rating 5A/34B)		
1 Multi-purpose Fire Extinguisher for oil fires (fire rating 13A/113B)		
1 Fire Blanket (light duty) in galley or cooking area (if applicable)		
Smoke Alarms (accommodation spaces)		
Gas Detector (if appropriate)		
VHF Radio – fixed or hand held		
Navigation Lights, Shapes and Sound Signals ⁸		
Radar Reflector		
Compass		
Medical Kit		
Waterproof Torch		
Anchor and cable/warp		
Bilge Pump		
Bilge Level Alarm		
Approved Stability Information		

In addition to the Mandatory Requirements the following items are recommended:

Recommended Item	Remarks	Expiry/Service Date
Working Vests – 1 per person		
Flame Detector in Machinery Space		
It is recommended that the fixed or hand held VHF Radio listed above is fitted with DSC		
EPIRB (can be handheld) is strongly recommended for operation 12Nm from shore		
Additional Medium Frequency Radio (DSC) strongly recommended for operation 30 Nm from shore		

⁸ The reference to Navigation Lights, Shapes and Sound Signals is a requirement to comply in accordance with the requirements of SD389/96 Merchant Shipping (Distress Signals and Prevention of Collisions) Regulations 1996 and is not a separate regulatory requirement.



In Duplicate

SMALL FISHING VESSEL CERTIFICATE

Issued under the Merchant Shipping Act 1985

Name of Vessel

Port of Registry

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FV No.	Gross Tonnage	Reg. Length	Length Overall	Registered Power	Date Keel Laid

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This is to Certify:

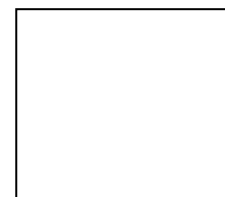
1. the fishing vessel has been inspected and found to comply with the requirements of the Isle of Man Code of Practice for the Safety of Small Fishing Vessels that are applicable to the vessel;
2. the life saving appliances are sufficient for a total of persons;
3. the fishing vessel is fitted with the lights, shapes and sound signals to comply with the requirements of the International Regulations for the Prevention of Collisions at Sea as applicable;
4. the fishing vessel complies with the applicable requirements for radio equipment and is equipped for operation in sea area(s) only; and
5. the fishing vessel has been assigned operating limits (if applicable).
6. for a decked vessel of 12m (L) to less than 15m (LOA) a Lightship or Roll test check has been verified once every 5 years.
7. for an open vessel of 12m(L) to less than 15m (LOA) with a keel laying date after 1st April 2006 the vessels minimum freeboard and angle of heel has been verified once every 5 years.

This certificate is valid until subject to a satisfactory inspection in accordance with the Code of Practice being completed not less than 24 months and not more than 36 months from the recorded date of the renewal survey.

Issued at on the

Signed _____

Name

Department of Trade and Industry**Official Stamp**

Name of Fishing Vessel

Intermediate Inspection of the fishing vessel between the 2nd and 3rd anniversary

I HEREBY CERTIFY, in respect of the captioned named vessel, that:

1. The safety equipment has been checked in accordance with the attached checklist;
2. Such safety equipment carried are in accordance with the requirements of the Code of Practice;
3. Such safety equipment has been properly maintained and serviced in accordance with manufacturers recommendations;
4. Where applicable a risk assessment* of working activities and duties has been completed in accordance with the Code; and

* The Health and Safety risk assessment is written - Yes/No (delete as appropriate)

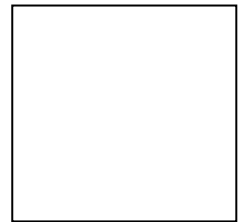
INTERMEDIATE INSPECTION

DATE OF INSPECTION

PLACE OF INSPECTION

SIGNATURE OF INSPECTOR

Comments (if applicable)



Official Stamp

N.B. The inspector authorised to carry out the Intermediate Inspection shall record the date of the intermediate inspection in the fishing vessel file at Harbours Division.

GUIDANCE ON REQUIREMENTS CONTAINED IN THE CODE FOR SURVEYORS, INSPECTORS AND FISHERMEN

Anchor & Cable (see also Annex 9)

For new vessels these should be in accordance with SEAFISH or equivalent rules. An existing vessel shall carry a suitable means of anchoring and chain cable or warp of a length suitable for the intended area of operation. See Annex 9 for further information on Anchors and Cables.

Bilge level alarm

This shall provide warning when working inside or outside the wheel house. When a watertight bulkhead is fitted sensors should be fitted in the Fish Hold and Engine room.

Flares and smoke signals

Existing arrangements for pyrotechnics as set out in the 1975 rules shall continue to be acceptable after the 1st April 2006 until they expire on the condition a buoyant smoke float is provided as of the 1st April 2006. Replacement of the pyrotechnics after 1 April 2006 shall be in accordance with the requirements of this Code and be of an acceptable type and within their expiry date.

Fire buckets

Should be heavy duty with a Lanyard.

Fire Extinguishers (Portable)

Fire onboard a vessel can, if it is not controlled lead to the loss of the vessel, and serious injuries. The checklists in this Code of Practice give a minimum requirement for the extinguishers to be carried on Fishing Vessels. When extinguishers are replaced, new extinguishers shall comply with BS EN 3, 1996, or the Marine Equipment Directive.

There are two sizes quoted in the checklists:

Designation	Equivalent Dry Powder	Equivalent Foam
5A/34B	1 Kg ABC Dry Powder	1.75 Litre AFFF
13A/113B	4KG ABC Dry Powder	2 Gallon or 6 Litres. AFFF

The designation gives a measure of the ability of the extinguisher.

'A' indicates a wood based fire; the number indicates fire size which has been used to test the extinguisher.
'B' indicates a liquid based fire; the number indicates fire size which has been used to test the extinguisher.

Where it is not practicable to carry or store a large fire extinguisher, it is possible to carry a combination of others to make up the required capacity. Add the numbers before the 'A' and the 'B' together, and if these exceed the total required the extinguishers will provide an equivalent capacity, e.g. two 8A/70B extinguishers would give a capacity of 16A/140B, which is greater than the required 13A/113B.

In any case the minimum acceptable size of extinguisher acceptable would be 5A/34B.

A fire may require more than one smaller extinguisher to put it out.

Fire extinguishers shall be serviced and maintained at the manufacturer's recommended service intervals by a service station approved by the manufacturer. In the case of sealed units these shall be replaced when they reach their expiry date.

Fire extinguishers (Fixed)

For fixed systems in machinery spaces where the space is never occupied an automatic discharge system is acceptable, providing that an indication of discharge is given.

For machinery spaces that can be occupied, the system should be designed and installed in accordance with manufacturers instructions. The system for spaces that can be occupied shall incorporate an advance warning alarm system within the space (audible and visual). The space should be able to be made gastight to contain the extinguishing agent.

Fire blankets

For the galley or cooking appliance should be of light duty to BS EN 7944 (this standard has superseded 6575) or a recognised equivalent BS EN 1869

Fire pumps

Can be a hand pump or any other pump that supplies water from the sea onto the deck with a hose suitable for fire fighting purposes.

Flame Detectors

Recommended for Decked vessels in the machinery space.

Gas Detector

For all vessels which have an enclosed space, carrying Liquefied Petroleum Gas, Butane, Propane, or other flammable gasses. The collection of gases from cooking or heating systems in the lowest part of the vessel where gas might accumulate, creates a risk of explosion, systems should be compatible with BS7348 and need not be Marine Administration approved.

Lifejackets

Should be approved to SOLAS (Life Saving Appliances Code) be of the solid-filled type, or should comply with BS EN 396 or BS EN 399, with automatic gas inflation and at least 150 Newtons buoyancy. One lifejacket per person carried, fitted with light, whistle and reflective tape. Lifejackets shall be serviced and maintained at the manufacturers recommended service intervals by a service station approved by the manufacturer. Recommended that working vest which provides some buoyancy be used when working on deck.

Liferafts

Should be float free, or fitted with a hydrostatic release unit (HRU) and suitable weak link (check with supplier). This should be stowed in a position unobstructed by rigging or fishing gear and preferably in a position which will allow it to float free in the event of the vessel sinking stern first, or stowed in a position where it is accessible for manual deployment in an emergency. It/they shall have a capacity sufficient for the total number of persons on board. Liferafts shall be serviced and maintained at the manufacturers recommended service intervals by a service station approved by the manufacturer.

Lifebuoys

Shall be marked with the vessel name and port of registry or fishing vessel number and fitted with reflective tape and may be circular or horseshoe in shape.

Medical Kit

A first aid kit should be of Category 'C' standard for vessels staying very close to shore (up to 60 nautical miles from shore) and Category 'B' for vessels operating between 60 and 175 Nautical miles from the nearest port.

Navigation lights and sound signals:

For guidance purposes:

1. Any vessel that operates between sunset and sunrise or in times of restricted visibility must exhibit the navigation and fishing lights, shapes and sound signals prescribed in the Collision Regulations.
2. A masthead light or all round white light of 2-miles (3 miles if over 12 metres LOA) range to be 1 metre higher than sidelights.
3. Sidelights of 1 mile (2 miles if over 12 metres LOA) range at a height above the uppermost continuous deck not greater than three-quarters the height of the masthead light.
4. A Stern light of 2-mile range if the masthead light (number 2) is carried.
5. An all-round white light of 2 mile range when trawling or fishing as referred to in number 7 below (that may also on its own be used as an anchor light). An all-round white anchor light is required if anchored in or near a narrow channel, fairway or anchorage, or where other vessels normally navigate.
6. The all-round white light (number 5) to be more than 2 metres above the gunwales and above the sidelights (number 3) at more than twice the distance between the vertical lights (numbers 5 and 7).
7. An all-round light (green if trawling, red if fishing other than trawling) at least 1metre above the all-round white light (number 5) and of 2 mile range.
8. Alternatively, a vessel under 7 metres, with speed less than 7 knots may instead of the above lights exhibit one all-round white light of 2 mile range and if practical, sidelights or a combination lantern.
9. All vessels must have a means of making sound signals (Vessels over 12 metres LOA must have a whistle).
10. Shapes commensurate with the size of the vessel, (Fishing – two cones apexes together one above the other, Anchor – Ball)

Radar Reflector

All vessels are required to be fitted with a Radar Reflector.

Radio

When operating offshore up to 30 Nm from the coast, a VHF radio should be adequate to contact a coastal radio station in good conditions. For vessels operating more than 30Nm from the coast additional means of communication with greater range such as a Medium Frequency radio is strongly recommended.

Coastguard Maritime Rescue Co-ordination Centres and Maritime Rescue Sub Centres maintain a listening watch on VHF Channel 16 via loudspeaker. The primary means of distress and urgency alerting should be via VHF/DSC. On medium frequency (MF), the only means of distress and urgency alerting available is via MF/DSC.

All vessels that carry a DSC function must have a radio licence, application from RA145 can be obtained from:

OFCOM

Riverside House

2a Southwark Bridge Road

London SE1 9HA

Tel: 020 7211 0215

Website: www.ofcom.org.uk/static/archive/ra/publication/ra_info/ra145.htm

When completed these should be sent to:

Radio Licensing Centre
Post Office Customer Management
Bristol
BS993QS
Tel: 0870 243 4433
Website www.radiolicensingcentre.co.uk

Failure to obtain a radio licence (which also records the radio's unique DSC identifying code to the vessel), may result in the DSC function operating incorrectly in an emergency, as unregistered identifying codes are re-allocated.

All vessels are also required to have at least one person onboard who holds a Short range Radio Certificate if operating in sea area A1 these can be obtained by undertaking a one day course at an RYA accredited training centre.

The Coastguard Maritime & Rescue Co-ordination Centres and Maritime Rescue Sub Centres provide the UK's Radio Medical Advice Service for vessels at sea. To seek medical advice or medical evacuation, call the Coastguard on VHF Radio whereupon you will be placed in direct contact with the appropriate medical expertise. This service is free.

Emergency Position Indicating Radio Beacon (EPIRB)

EPIRB's must be capable of transmitting on the 406 MHz band which allows distress alerting and approximate position fixing via the Cospas -Sarsat satellite constellations and the relaying of that information from the satellites to the search and rescue authorities i.e. Maritime Rescue Co-ordination Centres and Maritime Rescue Sub Centres.

The EPIRB should also have a 121.5 MHz homing frequency which will assist location by the Rescue Units. It should be installed in an easily accessible position where it can be manually released and placed in a life-raft, and also if practicable be fitted with a float free capability should the vessel be suddenly overwhelmed.

The EPIRB should be registered with the EPIRB Registry at the following address to allow identification of the vessel in an emergency situation. This registration is free of charge:

EPIRB Registry
HM Coastguard
Pendennis Point
Castle Drive
FALMOUTH
Cornwall
TR11 4WZ
Tel: 01326 211569 Fax: 01326 319264

Search and Rescue Transponder (SART)

In addition to the above, carrying a SART should be considered; this will allow standard ship borne marine radar to locate a liferaft or persons. Any equipment carried should be serviced and maintained at the manufacturers recommended service intervals by a service station approved by the manufacturer.

Smoke Alarm

Smoke Alarms should be fitted in accommodation spaces. Domestic types are suitable.

Stability Information

For vessels of between 12m Registered Length (L) and under 15m (LOA), which before 1st April 2006 complied with the Fishing Vessels (Safety Provisions) Rules 1975, the requirement to carry and use the stability book approved under those rules, or the results of a valid roll test, is reinstated. Should a vessel fail to satisfy roll test criteria, full stability information will be required.

Decked vessels of between 12m (L) and under 15m (LOA), for which a keel was laid or construction or lay-up was started before 1st April 2006, and do not have an approved stability booklet, will by 1st April 2006 be required to have a trim and stability booklet which complies with the requirements contained in Annex 2 of the Isle of Man Code of Safe Working Practice for the Construction and use of 15m (LOA) to less than 24 Metre (L) Fishing Vessels).

For decked vessels of between 12m (L) and under 15m (LOA), for which a keel was laid or construction or lay-up was started after 1st April 2006 an approved trim and stability booklet in accordance with requirements laid out in Annex 2 of the Isle of Man Code of Safe Working Practice for the Construction and Use of 15 Metre (LOA) to less than 24 metre (L) Fishing Vessels will be required to be prepared and approved.

Open vessels of between 12m (L) and under 15m(LOA) for which a keel was laid or construction or lay-up was started after 1st April 2006 are required to comply with a minimum angle of heel determined by a heeling test and meet the minimum freeboard requirements specified below.

Heeling Test:

The angle of the heel will be determined with two thirds of the weight of the intended cargo plus crew, fuel tanks and water tanks 95% full, on one side and one third of the weight of intended cargo plus crew, fuel tanks and water tanks 95% full on the other side and shall not exceed seven degrees.

Freeboard:

The freeboard at the lowest point of the gunwale with the vessel loaded with weights representing the full weight of the intended cargo plus crew, fuel tanks and fresh water tanks 95% full, shall not be less than 380mm for vessels of 6 metres in length and 760mm for vessels of 18.3 m in length and over. For lengths between 6m and 18.3m the freeboard should be calculated by interpolation.

Where it is not possible due to design or operating conditions for a particular vessel to meet the minimum freeboard criteria or heel angle specified above the Marine Administration may accept alternative arrangements which provide a standard of stability which is at least as effective as that specified.

Stability information shall be checked and the continuing validity certified at intervals not exceeding five years by the Marine Administration. Modifications or alterations to the vessel's structure and/or the removal or repositioning of any equipment as detailed in the Record of Particulars and Equipments, changes in the vessel's mode of fishing and/or its gear to other than those habitually employed, and the fitting of additional equipment should be investigated prior to making any changes, to ensure that the vessel will continue to comply with the required stability criteria.

In addition, such modifications or alterations should only be carried out after the skipper or owner has notified the Marine Administration in writing and obtained their approval. No charge shall be made by the Marine Administration for undertaking any work in relation to this or for providing any approval in accordance with this paragraph.

Anchors and Cables

Every vessel should be equipped with anchors and chain cables sufficient in weight and strength, having regard to the vessel's size and intended service. Wire rope of suitable strength (e.g. trawl warps) may be substituted for chain cable provided that a length of chain cable is attached between the wire rope and the anchor. The size of this chain should be appropriate to the anchor weight and length of the chain cable should not be less than the LOA of the vessel. The anchor(s) with the associated cable should be stowed to enable rapid deployment and be provided with means of retrieval.

The requirements shown in the Anchors and Cables Table below are for a vessel of displacement mono-hull form, which may be expected to ride out storms whilst at anchor and when seabed conditions are favourable. The anchor sizes shown in the Table are for high holding power types. Where a fisherman type anchor is provided, it is recommended that the weight given in the Table is increased by 25%, but the diameter of the anchor cable need not be increased.

Where a vessel has an unusual hull form and an unusually high windage area, due to high freeboard or large superstructure, the weight of the anchor is to be increased to take account of the increase in wind loading. The diameter of the anchor cable is to be appropriate for the increase in weight of the anchor.

The length of the anchor cable attached to the anchor is to be appropriate to the holding ground and depth of water in the area of the operation of the vessel, but in no case less than that shown in the Table below.

All vessels must be provided with a means of being towed.

Anchors and Cables – Requirements

Numeral L x B x D	Total Weight of Anchors (kg)	Minimum Number of Anchors	Length of Cable (m)		Diameter of Chain (mm)	Diameter of rope (mm)
			Minimum Chain (m)	Total Length (m)		
10	9	1	4	25	3	10
15	14	1	5	30	5	12
20	16	1	6	30	6	15
25	18	1	7	35	6	15
35	22	1	8	35	8	18
50	27	1	9	40	8	18
70	34	1	10	45	8	20
90	41	1	12	50	10	20
110	48	1	15	55	10	25
150	62	1	15	60	10	25
200	80	1	15	70	12	30
250	98	1	15	82.5	12	35
300	115	1	15	82.5	12	40
350	133	1	15	82.5	12	40

*Requirements for vessels with intermediate numeral value are to be obtained by interpolation

Notes:-

- i) Numeral L x B x D is obtained from the following:-
 - L = Overall length in metres
 - B = Beam in metres (maximum - outside planking or plating)
 - D = Depth in metres (maximum - deck at side to moulded line)
- ii) Chain cable diameter is given for short link chain. Chain cable should be sized in accordance with EN 24/565:1989 (ISO 4565:1986 and BS 7160:1990 - Anchor Chains for Small Craft) or equivalent.
- iii) The rope diameter given is for nylon construction. Where rope of differing construction is provided, the breaking load should not be less than that of the diameter of nylon rope specified in the Table.
- iv) Where stud link chain cable is used, the diameter may be 1.5mm less than the tabular diameter stated.