

INSTRUCTIONS FOR THE GUIDANCE OF SURVEYORS ON
**CHAPTER 1 – ANNEX 6 –
PLAN APPROVAL LIST**

Rev 04.23



Preface

0.1 These Marine Survey Instructions for the Guidance of Surveyors (MSIS) are not legal requirements in themselves. They may refer to statutory requirements elsewhere. They do represent the MCA policy for MCA surveyors to follow.

0.2 If for reasons of practicality, for instance, these cannot be followed then the surveyor must seek at least an equivalent arrangement, based on information from the owner/operator. Whenever possible guidance should be sought from either Consultant Fishing Vessel Surveyors or Survey Operation Branch, in order to maintain consistency between Marine Offices.

Technical Services Ship Standards

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Recent Amendments

The amendments made in the most recent publication are shown below, amendments made in previous publications are shown in the document Amendment History.

Version Number	Status / Change	Date	Author Reviewer	Content Approver	Next Review Date/Expiry Date
04.23	<ul style="list-style-type: none"> Additional requirements for Plan approvals 	12/4/23	D Fenner	L Page	12/12/26

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MCA PLAN APPROVAL LIST

1.1 The list below indicates the plans and supporting information required for approval for a new build vessel. Supplementary information may be requested where the plans and supporting information below do not provide all the detail required. The list should not be regarded as exhaustive, as requirements vary for different types of ships.

1.2 Construction and Outfit Approval of vessels under 24m Registered length is required against the scope of the applicable fishing Vessel Codes – MSN 1871 and MSN 1872 (as Amended). Over 24m vessels are covered by MSN 1873, and are not fully covered by this Annex – they are required to be Approved to MCA Recognised Organisation, or Class Standards. Approval of Hull Construction and Structural Arrangements, as well as aspects of outfit – is required to be in accordance with recognised Construction Standards.

1.3 The MCA conduct Plan Approval for Hull Construction Structural and outfit arrangements for Fishing Vessels against MCA Hull Construction standards, through the Stability and Plan Approval Unit (S&PA Unit). The standards are contained in MGN 628 and MGN 629, as amended These standards are referred to throughout as either MGN 628 & MGN 629, or as the MCA Construction Standards. Exceptionally and where the standards do not cover the arrangements of a specific vessel, the MCA may agree to the use the construction standards published by a United Kingdom Recognised RO for appropriate size and operation criteria – to be agreed with the S&PA Unit prior to submission. Documentation for plan approval shall be submitted as specified in the applicable chapters of the Construction Standards, and according to documentation lists contained in Chapter 3 of Annex 24 to MSIS 27 Chapter 1.

1.4 Items requiring Approval to the requirements of the Codes (MSN 1871 and MSN 1872) outside the scope of the MCA Construction Standards, will be approved by the local Marine Office conducting survey and inspection oversight – or where the construction standards specify that items are required to be approved at survey.

1.5 Vessels are to be constructed according to the Approved Plans; survey and inspection oversight to the point of completion is to be carried out by the MCA through the Marine Office network, or an Authorised FVCA, and issuance of Partial Declaration, or Hull Construction and Outfit Construction Certification, wherefrom an under 24 metre fishing vessel may apply for Certification for operation as a fishing vessel.

1.6 In addition to the MCA S&PA Unit, UK Recognised Organisations may conduct Plan Approval to their Construction Standards and certify vessels' construction accordingly – for issue of a partial declaration, in a similar manner as they do for over 24 metre vessels, before applying for certification accordingly. FVCAs may conduct construction oversight as they do for MCA Approved

constructions, by agreement. Plan approval of only partial aspects of vessel construction and or partial aspects of outfit, is not recommended, and certification of hull construction, and certification of outfit completion, should each (or both) be completed by single agencies.

1.7 Authorised Fishing Vessel Certifying Authorities (FVCAs) may be appointed to conduct Plan Approval to the MCA Construction Standards for vessels under 15metres, in accordance with their FVCA Agreements.

1.8 An initial application should include a general arrangement, to clarify which plans are applicable.

PLAN/LIST	INFORMATION SHOWN
1. LSA AND NAVIGATION	
(a) LSA Plan	GA indicating - muster station and all escape routes & emergency lighting. Location of all LSA equipment.
(b) Davit and Winch general arrangements.	General arrangement for lifeboat, rescue boat & liferaft davits. Approval & factory test certification. Plan of installation tests
(c) Bridge layout	list of approved nav aids/radio equipment. Visibility
(d) Navigation lights.	GA showing location and arcs of each light, giving manufacturer and type approval.
(e) List of all LSA equipment .	manufacturer, type and approvals. Factory test certificates
(f) Emergy genr. distribution	services supplied & supply routes
2. Freeboard Plan CREW ACCOMMODATION	
(a) General Arrangement. Record of particulars for vents and breathers	Showing overall arrangement of crew accommodation with number of persons in each cabin.

PLAN/LIST	INFORMATION SHOWN
(b) Crew accommodation arrangements (1:50)	General arrangements of typical officers and crew cabins, recreation rooms, galley, mess rooms. Details of galley & cold stores
(c) FW system schematic drawing	A line schematic drawing showing storage, transfer and sterilisation systems.
(d) Outline specification of air conditioning/ ventilation system	List of spaces covered by AC system giving volume and number of air changes to each space.
(e) Sewage system schematic plan, with sanitary & scupper lines	general schematic of system. Approval certificates for sewage plants
(f) lighting levels for each space	
3. STABILITY	
(a) General arrangement & lines plan	
(b) Inclining report	Witnessed by MCA. Consultants information & stability book submitted to MCA for approval
(c) Bilge/ballast pumping system	Schematic line drawing of entire system showing pipe and pump sizes together with valves. Sea inlet/discharges, bilge injection positions wrt. flooding
(d) Watertight Doors	Test certificates for any doors.
(e) Water Freeing arrangements	Relevant references to MSIS 27 Chapter 2
	To appropriate Code or Statutory notice

PLAN/LIST	INFORMATION SHOWN
4. STRUCTURAL FIRE PROTECTION	
(a) Structural Fire Protection Plan	GA plan of each deck showing:- types of A-class and B-class bulkheads and decks, & fire doors. Category of each space.
(b) Ventilation Plan	Line schematic of system showing: - size and insulation of ducts, location of fire dampers, location of remote controls for fans and dampers, means of closure
(c) Penetration details	Drawing of typical cable, pipe and ventilation penetrations to be used on A & B-class divisions. Alternatively type approval certificates
(d) Insulating materials	Approval certificates for fire insulation to be used. Also fire doors
(e) A & B-class divisions	Approval certificates of materials to be used. Typical details of construction and supports. Details of draught stops.
5. FIRE EXTINGUISHING	
(a) Fire control plan	All FEA distribution, using symbols from IMO Res A.952(23) or ISO Standard 17631:2002
(b) List of FEA	type, manufacturer, approval
(c) Fixed fire extinguishing	Capacity & flow calculations. Piping diagrams with components. Operation details. Approval & test certification
(d) Fire Detection system Plan	GA based schematic showing the location and type of each detector head. Approval of components

PLAN/LIST	INFORMATION SHOWN
(e) Fire Main plan.	GA based piping schematic of system showing, pumps & pipe sizes, hydrants and isolating valves. Remote starting of pumps
(g) Details of arrangements for emergency shutdown.	Details of emergency shutdown devices: Positions of remote controls for fans, oil pumps, fire dampers, oil tank valves.
6. MARPOL	
(a) OWS system	Approval certification of equipment. Piping schematic of OWS and sludge transfer systems. Tank locations.
(b) Fuel System	Schematic plan of piping system
(c) SOPEP (>400 GT)	MCA for approval
(d) Bilge/Ballast System	Schematic piping plan
(e) Capacity plan	
(f) Antifouling	Paint specification (>400 GT) or Owner's declaration (>24m <400GT)
(g) Air pollution	EAPP certificate (>130 kW) Engine technical file NOx control equipment <u>Refrigeration plant</u>

7. HULL

(a)	Hull construction drawings: Profile and decks, transverse sections and bulkheads	These should be supplied prior to commencing works
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- (b) Superstructure construction drawings, including the wheelhouse
- (c) Welding details (for steel and aluminium vessels)
Or GRP Laminate schedule
- (d) Lines plan May not be required for vessels under 7 metres if the arrangements are clear

8. MACHINERY AND ELECTRICS

- (a) Steering gear and rudder
- (b) Propeller, shaft and bearings
- (c) Electrical arrangement
- (d) Bilge pumping
- (e) Corresponding technical descriptions, calculations and material specifications To items a,b,c,d,e
- (f) Outline specification for the vessel

See also MSIS 27 Ch 1 Annex 24 for detailed lists of required plans for S&PA Unit construction plan approval.

Where Marine Offices arrange Construction oversight for new builds directly with builders and owners, a meeting with MO Lead surveyor and S&PA Unit to confirm Approval oversight should be a priority.