

(Consultation paper)(Drafted on 11/2005)

(For fishing vessel working group, technical group and PLVAC)

《Code of Practice – Class I, II & III Vessel Safety Standard》 ”November 2005 amendment”
as follows (mainly Annex N amended)

Date amended: 30-11-2005

ITEM	CHAPTER	DESCRIPTION	REMARKS
1.	Chapter II–Note 1,2, & 3	Amend Remarks 1,2 & 3(page II-7 & 8)	Appropriate amendment regarding wooden fishing vessel
2.	Chapter IIIB Part2 Section 1.4	Delete Sect. 1,4 of Part 2(page IIIB-2)	Appropriate amendment regarding wooden fishing vessel
3.	Annex N	Amend content	Update content of Annex N
4.	Annex N	Amended as follows:	-----
	N-1A	Replaces previous proposed Annex N-8(most content are the same as current practice)	Amend previous proposed Annex N-8 and removed to N-1A(delete previous N-1A)
	N-1B	Replaces previous proposed Annex N-9(most content are the same as current practice)	Remove previous proposed Annex N-9 to N-1B(delete previous N-1B)
	N-1C	Same as previous version	-----
	N-2	Delete wording ‘or new wooden hull...’ from heading and amend the interpretation	Delete non applicable item
	N-3	Minor amendment of previous version	-----
	N-4A	Minor amendment of previous version	-----
	N-4B	Delete wording ‘and survey on slipway every 6 years...’ from Inspection section	Delete non applicable item
	N-4C	Delete wording ‘and survey on slipway every 6 years...’ from Inspection section	Delete non applicable item
	N-5	Review the requirement for first licensing and renewal of licence of wooden fishing vessel	Delete non applicable item and review the survey requirements for wooden fishing vessels
	N-6A	Reviewed	Delete non applicable item and appropriately amended
	N-6B	Minor amendment of previous version	-----
	N-7A	Delete wording ‘new wooden fishing vessels’	Delete non applicable item and appropriately amended
	N-7B	Reviewed	Delete non applicable item and appropriately amended
	N-8	-----	Amended and moved to N-1A
	N-9	-----	Moved to N-1B

Note: (1) In consideration of the trade’s request for a more flexible handling on the safe operation limits and continuation of a more relaxed control on wooden fishing vessels, the requirements for the construction, survey, periodical inspection programme and cycle of Class IIIB (wooden fishing vessels) are therefore appropriately amended.

[Above content will be in consultation with fishing vessel working group on 12/12/2005 and after confirmation, relevant content in COP will be amended]

CHAPTER II SURVEY, ISSUANCE OF CERTIFICATE AND PLAN APPROVAL

1 Survey for Issue or Endorsement of Certificate

1.1 Except vessels of the types referred to in 1.2 below, every vessel should be surveyed per items as indicated in the tables in section 7 (items marked with '✓') as relevant -

- (a) new vessel: Table 1 (applicable vessels as indicated in the table) and Table 3;
- (b) existing vessel : Table 2 (applicable vessels as indicated in the table) and Table 3.

1.2 Vessels of the types referred to in the table below, which are non-mechanically propelled and not fitted with any internal combustion engine onboard, are not subject to any survey:

No.	Class of Vessel	Type of Vessel	Material of Construction	Length Overall x Extreme Breadth ^(note)
(i)	II	Transportation Sampan	any material	Not exceeding 25 m ²
(ii)	II	Dry Cargo Vessel	other than steel	Not exceeding 25 m ²
(iii)	III	Fishing Vessel	other than steel	Not exceeding 25 m ²

Note :

“Extreme breadth” means the athwartship distance between the extremity of the outermost permanent structure on the port side and the extremity of the outermost permanent structure on the starboard side of a local vessel.

- 1.3 A new Class IV vessel carrying more than 60 passengers should be surveyed in accordance with the requirements of a Class I vessel carrying more than 60 passengers.
- 1.4 A laid-up vessel should be presented for survey before returning to service if the inspection certificate/endorsement previously issued has expired. The survey should include the survey items due in the period as the vessel was not laid up.
- 1.5 When deemed necessary or at his discretion, the attending surveyor/inspector may request any other item to be presented for inspection

- 1.6 The Director may, on the certificate of ownership of a certificated Class III vessel, make an endorsement to the effect that the certificated vessel may be used with one or more ancillary vessels where each ancillary vessel meeting the following conditions: –
- (a) belongs to the same owner as the certificated vessel;
 - (b) does not exceed 4 metres in length overall; and
 - (c) is not fitted with an engine;

2 Validity of Certificates and Endorsement

The expiry date of the certificate or endorsement except those vessels as listed in the remark 1 in Chapter II Part 7 Table 3 should be determined as follows:

No.	Date of Final Survey	Expiry Date of Certificate/Endorsement to be issued
(a)	New vessel	FSD + 12 months (Remark)
(b)	Re-commissioned laid-up vessel	FSD + 12 months
(c)	Existing vessel	
	(i) within two months before CED	CED + 12 months
	(ii) after CED	FSD + 12 months
	(iii) more than two months before CED	FSD + 12 months

Abbreviations

CED = expiry date of existing certificate/endorsement

FSD = final survey date

Remark:

For new vessels required to be surveyed on slip (or in dry-dock), the validity of certificate to be issued should in no case exceed 14 months as counted from the last hull bottom survey date or the final date plus 12 months whichever is the earlier.

3. Statutory Surveys etc. and Application

- 3.1 Officers delegated by the Director are responsible for conducting surveys of all local vessels and the issuance of relevant statutory certificates or records.
- 3.2 Authorized surveyors or authorized organizations or recognized government authorities are authorized to conduct surveys of all local vessels other than vessels of high risk

for the issuance of the following statutory certificates or records by Marine Department except items (4) and (5) which are issued by them:-

- (1) Certificate of Survey or Certificate of Inspection;
- (2) Survey Record of Safety Equipment;
- (3) Hong Kong Load Line Certificate or Freeboard Assignment Certificate;
- (4) Survey Record of Tonnage Measurement ;
- (5) Survey Record of Inspection for Cement Tank or Air Receiver or Material Test or Equipment Test etc.

3.3 If the owner or agent wishes his vessel to be surveyed by an authorized surveyor or authorized organization or recognized government authority, he should provide the Department an “Engagement Form”:-

- (a) prior to the survey - the name of the authorized surveyor or authorized organization or recognized government authority, the place and date of the intended survey; and
- (b) on completion of survey - a survey report and a declaration duly signed and issued by the authorized surveyor or authorized organization or recognized government authority. The survey report may be furnished to the attending surveyor during final survey - item No. (E&F-9) in Part 7 Table 3 refers.

3.4 **Survey Application**

3.4.1 The owner or his agent or operator of a local vessel should apply for the following surveys in accordance with the provisions to Marine Department or the relevant authorized surveyor or authorized organization or recognized government authority as appropriate:-

- (1) initial survey (for new or existing vessel applies for licence for the first time or licensed vessel involved alteration specified in item 3.4.2(2) and (3));
- (2) periodical survey (existing licensed vessel)

3.4.2 When one of the following situations occurs, the owner or his agent should apply for an additional survey as required with Marine Department or the relevant authorized surveyor or authorized organization or recognized government authority as appropriate for the issuance of survey report and /or relevant certificate:-

- (1) an accident to a vessel which affects its seaworthiness;
- (2) alteration of a vessel’s intended purpose or plying limits as restricted in its certificate;
- (3) alteration or modification affecting the safety of a vessel;
- (4) invalidity of a vessel’s statutory certificate;
- (5) change of the vessel’s name.

4 Submission of Plans and Data

- 4.1 Plans and data should be submitted according to the tables in section 5 below for the construction of new vessel and modification of existing vessel.
- 4.2 For a not classed vessel, plans and data as marked with "MD/AS/AO/RA" should be submitted to the relevant survey party for approval (or for record, as specified), one copy of such approved plans and data as marked with @ should be submitted to Marine Department for record.
- 4.3 For a vessel classed with a classification society, plans and data as marked with "AO" should be submitted to the relevant classification society for approval. One copy of such approved plans and data as marked with @ should be submitted to the Marine Department for record.
- 4.4 Additional plans and data will be required when deemed necessary.

5 Plans and Data required to be submitted ^(*7) ^(*12)

Note: MD=Marine Department; AS=Authorized Surveyor; AO=Authorized Organization; RA=Recognized Government Authority

Vessel Category		A		B
		not classed	classed	
Plans and Data				
(A) GENERAL AND SAFETY				
1)	General Arrangement @	MD/AS/AO/RA	AO	MD/AS/AO/RA (*1)
2)	Lines Plan including details of draft marks and offsets tables (for record)	MD/AS/AO/RA	AO	MD/AS/AO/RA (*2)
3)	Hydrostatic Curves	MD/AS/AO/RA	AO	MD/AS/AO/RA (*2)
4)	Cross Curves of Stability	MD/AS/AO/RA	AO	MD/AS/AO/RA (*2)
5)	Preliminary Intact Stability Information @	MD/AS/AO/RA	AO	MD/AS/AO/RA
6)	Estimated Damage Stability Information (Ch. IV/2 refers) @	MD/AS/AO/RA	AO	MD/AS/AO/RA
7)	Inclining Experiment Report/Rolling Period Test Report @	MD/AS/AO/RA	AO	MD/AS/AO/RA (*3)
8)	Stability Information Booklet (after inclining experiment) @	MD/AS/AO/RA	AO	MD/AS/AO/RA (*3)
9)	Damage Stability Calculation (after inclining experiment) (Ch. IV/Part 2 refers) @	MD/AS/AO/RA	AO	MD/AS/AO/RA
10)	Tonnage Measurement and Calculation (*10) @	MD/AS/AO/RA	AO	MD/AS/AO/RA

Vessel Category		A		B
Plans and Data				
11)	a) Passenger Space (shelter)/Seating Arrangement/Assessment (Ch. V refers) @	MD/AS/AO/RA	AO	MD/AS/AO/RA
	b) Passengers and Crew Accommodation Requirements (e.g. handrail, seat belt, staircase, lighting and etc.) (Ch. V refers) @	MD/AS/AO/RA	AO	MD/AS/AO/RA
12)	Safety Plan showing arrangement of (a) life saving appliances, @	MD/AS/AO/RA	AO	MD/AS/AO/RA (*1)
	(b) fire fighting appliances, @	MD/AS/AO/RA	AO	MD/AS/AO/RA (*1)
	(c) light and sound signals, @	MD/AS/AO/RA	AO	MD/AS/AO/RA (*1)
	(d) means of escape, escape installation and arrangement, etc. @	MD/AS/AO/RA	AO	MD/AS/AO/RA (*1)
(B) HULL				
1)	Midship Sections	MD/AS/AO/RA	AO	MD/AS/AO/RA
2)	Scantling Calculation	MD/AS/AO/RA	AO	MD/AS/AO/RA (*2)
3)	Profile, Decks and Bulkheads	MD/AS/AO/RA	AO	MD/AS/AO/RA (*2)
4)	Shell Expansion	MD/AS/AO/RA	AO	MD/AS/AO/RA (*2)
5)	Rudder/Kort Nozzle, Rudder Stock, Skeg and Sole Piece	MD/AS/AO/RA	AO	MD/AS/AO/RA (*2)
6)	Mooring Arrangement and Equipment Number Calculation (for DG carriers and L>50m Dumb steel lighters)	MD/AS/AO/RA	AO	MD/AS/AO/RA
7)	Weathertight/watertight Closing Appliances Arrangement	MD/AS/AO/RA	AO	MD/AS/AO/RA
8)	Structural Fire Protection Arrangement @	MD/AS/AO/RA	AO	MD/AS/AO/RA
9)	Materials and Paints Specifications (*4)	MD/AS/AO/RA	AO	MD/AS/AO/RA
10)	Loadline / freeboard Certificate calculation and related requirements, such as coaming height watertightness and etc. @	MD/AS/AO/RA	AO	MD/AS/AO/RA
(C) MACHINERY INSTALLATION				
1)	Engine Room Arrangement	MD/AS/AO/RA	AO	MD/AS/AO/RA
2)	Pump Room Arrangement	MD/AS/AO/RA	AO	MD/AS/AO/RA
3)	Propeller Shafting, Stern Tube and Coupling	MD/AS/AO/RA	AO	MD/AS/AO/RA
4)	(a) Main engine and Gear Box Certificates (*5) @	MD/AS/AO/RA	AO	MD/AS/AO/RA
	(b) Aux. diesel engine Certificates (*5) @	MD/AS/AO/RA	AO	MD/AS/AO/RA

Vessel Category		A		B
Plans and Data				
5)	Fuel Oil System (incl. tanks, piping)	MD/AS/AO/RA	AO	MD/AS/AO/RA
6)	Fire-fighting Piping Arrangement (incl. fire main, fixed fire extinguishing system) @	MD/AS/AO/RA	AO	MD/AS/AO/RA
7)	Bilge Pumping Arrangement	MD/AS/AO/RA	AO	MD/AS/AO/RA
8)	Compressed Air Piping System (for pressure \geq 10 bar)	MD/AS/AO/RA	AO	MD/AS/AO/RA
9)	Air Receiver (Ch. IIIA/Pt. 15 refers)	MD/AS/AO/RA	AO	MD/AS/AO/RA
10)	Steering Gear Hydraulic Piping System	MD/AS/AO/RA	AO	--
11)	Prevention of Oil Pollution Installation (Ch. IIIA/Pt. 19 refers) @	MD	MD/AO	MD
12)	Fresh Water System (incl. tank construction, piping)(*6)	MD/AS/AO/RA	AO	MD/AS/AO/RA
13)	Cargo Tank Venting System	MD/AS/AO/RA	AO	--
14)	Mechanical Ventilation and air-conditioning System (*7)	MD/AS/AO/RA	AO	MD/AS/AO/RA
15)	Domestic LPG Installation (Annex H refers)	MD/AS/AO/RA	AO	MD/AS/AO/RA (*8)
16)	Filling, sounding and air vent system	MD/AS/AO/RA	AO	--
17)	Prevention of Air Pollution Installation (COP Annex I-10 etc) @	MD	MD/AO	MD
(D) ELECTRICAL INTSALLATION (including Emergency Power System) (*9)				
1)	System Line diagram @	MD/AS/AO/RA	AO	MD/AS/AO/RA
2)	Wiring Diagram of Main Switchboard	MD/AS/AO/RA	AO	MD/AS/AO/RA
3)	Layout of Main Switchboard	MD/AS/AO/RA	AO	--
4)	Electrical Arrangement	MD/AS/AO/RA	AO	MD/AS/AO/RA
5)	Wiring Diagram of Distribution Board	MD/AS/AO/RA	AO	--
(E) RADIO COMMUNICATION AND NAVIGATIONAL EQUIPMENT				
1)	Radio Communication equipment and arrangement @	MD/AS/AO/RA	AO	MD/AS/AO/RA
2)	Navigational equipment and arrangement @	MD/AS/AO/RA	AO	MD/AS/AO/RA
(F) ADDITIONAL ITEMS FOR SPECIAL OPERATION (i.e. DG VESSELS) AND OTHERS				
1)	Supplementary information/data and list of inspection, testing & trial requirements relating to the type of vessel (*12) @	MD/AS/AO/RA	AO	MD/AS/AO/RA
2)	Additional Items for Oil Carriers having cargoes < 61oC (COP Ch.VI refers) (*12)	MD	MD	MD

Vessel Category	A		B
Plans and Data			
3) Additional Items for DG or NLS Carrier (COP Ch.VI refers) (*12)	MD	MD	MD
(G) LIFTING APPLIANCES (including derrick cranes, extensible jib cranes and fixed-jib crane etc.) (*11)			
1) Strength calculations for the stress members including derrick boom, mast, supporting structures, permanent attachments and other associated fittings @	Competent Examiner		
2) Rigging diagrams that should include all rigging arrangements used in all modes of operation of the derrick cranes			
3) As fitted drawings including the scantling and dimensions of the of the derrick boom, mast and permanent attachments, and the arrangements for preventing the lifting of the foot of the derrick boom out of its support			

Remarks in Tables

- *1 Applicable to the following Category B vessels: dumb lighter, hopper barge, water boat, flat top work barge, landing pontoon, stationary vessel including separation barge, kitchen boat barge, ice barge, fish drying barge, waste water treatment barge and fish storage barge. ~~wooden fishing vessel and prototype vessel of fishing sampan. Existing wooden fishing vessels are required to submit General Arrangement drawings with main particulars not later than 1st survey date after implementation of Local Vessel Ordinance.~~
- *2 Applicable to dumb lighters, hopper barges, ~~wooden fishing vessels~~ and prototype vessel of fishing sampan.
- *3 For dumb lighters required to be submitted with heavy lifting stability calculations, hopper barges, ~~wooden fishing vessels~~ and prototype vessel of **GRP** fishing sampan.
- *4 Applicable to floating restaurants and ceremony boats only.
- *5 For new vessels, (i) maker certificate for petrol engine; (ii) for diesel engine maker or classification societies approved certificates / information and document as appropriate required in chapter IIIA or IIIB and in MARPOL Annex VI or Annex I-10.
- *6 For water boats only.
- *7 Applicable to simple design and construction vessels, such as Class III GRP fishing sampan , Class II Cat. A transportation sampan, etc, (length overall not more than 15m), simplified set of plans includes 5(A)(1), 5(A)(8), 5(A)(10), 5(A)(11), 5(A)(12), 5(B)(2), 5(C)(4) , 5(C)(5) & 5(D)(1) and supplementary information / data as necessary to be submitted.
- *8 Applicable to vessels of other than wooden construction.
- *9 Applicable to the following Category B vessels fitted with A.C. generator:
Dumb lighters, other barges, landing pontoons, all stationary vessels (including separation barges , kitchen barges , ice barges , fish drying barges , water dispensing barges and fish storage barges); and the first vessel for prototype vessels of **GRP** fishing sampans but not applicable to vessels of wooden construction.
- *10 International Tonnage Certificate and calculation may be acceptable to MD.
- *11 Any cranes for works, including cargo handling, fitted on local vessels, should have the document/drawing item 1) to 3) indicated below certified by a competent examiner. One copy of each of these documents/drawings certified under Merchant Shipping (Local Vessels) (Works) Regulation, Cap 548 should be submitted to MD. Following document plans and data to be certified are:-
 - 1) Strength calculations for the stress members including derrick boom, mast, supporting structures, permanent attachments and other associated fittings (*Note: Recognised manufacturer's loading tables indicated essential information are acceptable instead of detailed strength calculations*)

- 2) Rigging diagrams that should include all rigging arrangements used in all modes of operation of the cranes.
 - 3) As fitted drawings including the scantling and dimensions of the of the derrick boom, mast and permanent attachments, and the arrangements for preventing the lifting of the foot of the derrick boom out of its support
- *12 For high risk vessels that are not classed, all plans and data to be submitted to Marine Department for approval.

<6 Plans to be retained onboard

- 6.1 Every Class I, II and III vessel (exclude wooden fishing vessel and sampan) should be provided onboard one copy of the plan(s) at least with the following information indicated thereon :
 - (a) general arrangement of vessel with seating arrangement and escape routes if passengers are carried;
 - (b) types and dispositions of life saving appliance, fire fighting appliance, light and sound signals.
- 6.2 For every Class I vessel carrying more than 100 passengers, safety plan showing arrangement of life saving appliances, fire fighting appliances, light and sound signals and means of escape, escape installation and arrangement should be exhibited in conspicuous places throughout the vessel.
- 6.3 For Class II and III vessels, stability / loading & unloading information where applicable should be provided on board. >

CHAPTER III B
HULL CONSTRUCTION, MACHINERY, ELECTRICAL INSTALLATIONS
AND FITTINGS - CATEGORY B VESSELS

PART 1 GENERAL REQUIREMENTS

- (1) Dumb lighter, hopper barge and any vessel required to possess a Hong Kong Load Line Certificate or a Freeboard Assignment Certificate; and fishing sampan should be designed and built to the requirements of the relevant rules and regulations as listed at Annex A, having regard the size, construction material and operational services of the vessel. Such rules and regulations should be complied with in its entirety. However in the case of any inconsistency between this Code and the requirements of the classification society rules, this Code should be complied with. Wooden fishing vessels should be of adequate structural strength appropriate for the sea and weather conditions likely to be encountered in the intended area of operation.

- (2) Suitable means or device should be provided to machinery, equipment, lifting gear, fish handling and fish processing equipment, etc. so as to reduce to a minimum any danger to persons on board. Special attention should be paid to moving parts, hot surfaces and other potential dangers.

PART 2 HULL CONSTRUCTION

1 Hull and Bulkheads

- 1.1 A motor vessel other than a fishing sampan should be fitted with:
 - < (a) collision bulkhead (for vessels of other than wooden vessels and of length (Lr) exceeding 7.8 m); >
 - (b) machinery space fore bulkhead; and
 - (c) machinery space aft bulkhead, unless the machinery space is situated at aft end of the vessel.

In vessels of other than wooden vessels, and as far as practicable on wooden vessels the bulkheads should be of watertight construction.

- < Access opening fitted in a watertight bulkhead should be equipped with effective watertight closing appliance. No opening is to be fitted in collision bulkhead on vessels of other than wooden construction. >

- 1.2 A fishing sampan should be fitted with superstructure or erection to enable the proper display of navigation lights. Other requirements should be referred to Annex I-7.

1.3 <Wooden fishing vessels are required prototype approval and to submit key drawings and plans.>

~~1.4 Existing wooden fishing vessels are required to submit General Arrangement drawings with main particulars by end of 2005 or not later than 1st survey date after implementation of Local Vessel Ordinance.~~

2 Closing Appliances, Freeing Ports

2.1 The air pipes, ventilators, cargo hatchways, small hatchways, manholes and doors which are leading to a space below main deck should be fitted with closing appliance and should have a minimum coaming height of 230 or <300> mm on every vessels of-

(a) vessel of other than wooden vessel not in possession of a Freeboard Assignment Certificate; or

< (b) wooden vessel plying beyond Hong Kong waters >

2.2 No coaming is required for watertight manholes.

2.3 If bulwark is fitted at the shipside on vessels operating outside the Specified Sheltered Waters, freeing ports should be provided in both sides of the bulwark with the minimum aggregate area (in m²) indicated in the following table. For vessels operating beyond Hong Kong Waters, the aggregate area should be twice of that indicated in the tables.

Vessel Length Lr (m)	Aggregate Freeing Port Area (m ²)
$L_r \leq 12$	0.0115 Lr
$12 < L_r \leq 24$	$(0.00146 L - 0.006) L_r$
$L_r \geq 24$	0.029 Lr

3 Protection of Passengers and Crew

Ch.III A/Pt 2/4 refer.

4 Flooring

Ch.III A/Pt 2/5 refers.

5 Marking of Hull

5.1 For vessels of all kinds of construction, Ch.III A/Pt 2/6.1 refers.

<5.2 Every steel fishing vessel and vessel assigned with a freeboard in compliance with requirement of Ch.IV/1.1 should provide with draft marks per requirements of Ch.III A/Pt 2/6.3>.

PART 3 MACHINERY INSTALLATION

6 Main Engine and Engine Fitting

6.1 The engine's exhaust pipe should be lagged with heat-resistant material unless it is served

Table of content amended as follow:

ANNEX N	CONSTRUCTION, INITIAL SURVEY REQUIREMENTS, PERIODIC SURVEY PROCEDURE AND CYCLES, ETC. OF CLASS III HONG KONG LICENSED FISHING VESSEL	
N-1(A)	Requirements of Life Saving and Radio Communication Safety Equipment for Fishing Vessels	[Amended previous N-8]
N-1(B)	Requirements of Fire Fighting Appliances for Fishing Vessels	[Amended previous N-9]
N-1(C)	General Safety Standard and Regulations for the Construction of Fishing Vessels	
N-2	Initial Survey for Licensing of Steel Fishing Vessel or GRP Fishing Vessel of length 15 metres and above – (applicable to vessels permitted to operate beyond Hong Kong Waters	[Amended]
N-3	Construction and Initial Survey for Licence of GRP Fishing Vessels or Fishing Sampans	
N-4(A)	Construction and Initial Survey for licensing of GRP Fishing Sampans of Length less than 15 metres	
N-4(B)	Requirements for Class III GRP Fishing Sampan fitted with Diesel Engine	[Amended]
N-4(C)	Requirements for Class III GRP Fishing Sampan fitted with Petrol Outboard Engine	[Amended]
N-5	Survey Requirements for Wooden Fishing Vessels or Fishing Sampans	[Amended]
N-6(A)	Periodical Survey Cycle for Fishing Vessels	[Amended]
N-6(B)	Declaration of Safety and Equipment for Renewal of Fishing Vessel Licence	
N-7(A)	Periodical Inspection Programme for Steel Fishing Vessels and GRP Fishing Vessels of Length over 15 metres (applicable to vessels permitted to operate beyond Hong Kong Waters)	[Amended]
N-7(B)	Periodic Inspection Programme for Wooden Fishing Vessels, Fishing Sampan less than 8 metres in length and GRP Fishing Sampan less than 15 metres in length	[Amended]

**REQUIREMENTS OF LIFE SAVING & RADIO COMMUNICATION
SAFETY EQUIPMENT FOR FISHING VESSELS**

[Following amendment replaces previous proposed Annex N-8]

Requirements of Life Saving and Radio communication safety equipment for fishing vessels are quoted from Table 6 of Schedule 4 of (Safety and Survey) Regulation. The provisions are quoted as below:-

1. Life Saving and Radio Communication Safety Equipment for Fishing Vessels

QUOTE

**Table 6 of Schedule 4
Class III Vessels**

Life Saving Appliances	Category of Vessel	A		B	
	Vessel Length(L) (m)	L < 24	24 ≤ L ≤ 45 ⁽¹⁾	L < 12	L ≥ 12
Lifejacket		100%		100%	
Lifebuoy		2	4	1	2 ⁽²⁾
Buoyant Apparatus(Vessels of L>30m)			100%		
Inflatable Liferaft ⁽³⁾		100%(Quantity and arrangement are to be in accordance with the relevant plans approved under Part 2 of this Regulation)			
VHF(Very High Frequency) Radio ⁽⁴⁾⁽⁹⁾				1	
Single Side Band Radio ⁽³⁾⁽⁸⁾⁽⁹⁾		1		1	
Citizen Band Transceiver		1		1 ⁽⁵⁾	
Buoyant Lifeline ⁽⁶⁾		2		2	
<Self-activating Smoke>		<1> ⁽⁷⁾		1 ⁽³⁾	
Self-igniting Light		2			
<Rocket Parachute Flare>		<4> ⁽⁷⁾		4 ⁽³⁾	
<Radar Transponder>			<1> ⁽⁷⁾	1 ⁽³⁾	

Note :

- (1) Vessels of length exceeding 45 metres will be specially considered.
- (2) For fishing sampan or fishing vessels of length less than 15 metres, one lifebuoy is sufficient..
- (3) Leader fishing vessels or individual fishing vessels which are allowed to operate beyond Hong Kong waters, and will be endorsed in the vessel's licence or certificate.
- (4) Required equipment for GRP fishing sampans which are allowed to operate beyond Hong Kong waters, and will be endorsed in the vessel's licence or certificate.

- (5) Exclude GRP fishing sampan.
- (6) Minimum length of buoyant line is 30 metres.
- (7) Requirements in angle bracket (“< >”) are for new vessels.
- (8) Individual fishing vessels operating within 20 n. miles ashore, may be substituted by 406MHz EPIRB, EPIRB should be registered and annually checked..
- (9) Fitting with DSC and GPS function will depend on the date of decision and promulgation of Local Authority..

2. Licensing, operating, performance condition and maintenance of the radio communication safety equipment for Fishing Vessels

- 2.1 The type and model should be approved or accepted by OFTA. and to be issued a licence of radio equipment by OFTA.
- 2.2 Equipment operator should have an appropriate training and also obtain the operator certificate issued by OFTA. If the operator possess the relevant operator certificate issued by Mainland or other country is also acceptable.
- 2.3 The general condition of safety radio communication equipment should be efficiently maintained. While the vessel is in operation, the vessel owner or certified operator should regularly carry out the operation test or examine the equipment and maintain record keeping.

UNQUOTED

[(Remark : The above content shall quote from the latest version after the consideration and legislation of the 《Merchant Shipping(Local Vessels) (Safety & Survey) Regulation 》]

REQUIREMENTS OF FIRE FIGHTING APPLIANCES FOR FISHING VESSELS

Requirements of fire fighting appliances equipment for fishing vessels are quoted from Table 7 of Schedule 5 of (Safety and Survey) Regulation. The provisions are quoted as below:-

QUOTE**Table 7****Class III vessels (excluding fishing sampans made of glass reinforced plastic)**

Fire-fighting apparatus	Vessel Category	A		B	
	Vessel Length (L) (m)	L < 30	30 ≤ L < 45 ⁽¹⁾	L < 10	L ≥ 10
Portable Fire Extinguisher	Accommodation Space	1	2	1	1 per each 10m of length or part thereof, minimum 2 and maximum 4
	Wheel House	1	1		
	Engine Room, Machinery Space	2	4		
Non-portable Fire Extinguisher	Engine Room		1		
Fire Bucket		2	2	1	2
Fire Pump	Power	1 ⁽²⁾	1		
Emergency Fire Pump	Power	1	1		1 ⁽³⁾
	Manual				
Fire Main + Hydrant on Deck + Hose + Jet Nozzle		quantity and arrangement to be in accordance with the relevant plans approved under Part 2 of this Regulation		1 set	
Hydrant in Engine Room		1	1		
Spray Nozzle ⁽⁴⁾		1 per each deck 1 per each engine room	1 per each deck 1 per each engine room		
Additional requirements for vessels operating in unattended propulsion engine spaces					

< Fire Detection and Alarm System > ⁽⁵⁾	Engine Room	quantity and arrangement to be in accordance with the relevant plans approved under Part 2 of this Regulation ⁽⁶⁾	quantity and arrangement to be in accordance with the relevant plans approved under Part 2 of this Regulation ⁽⁶⁾		

Note :

- (1) Vessels of length exceeding 45 metres will be individually considered by the Director.
- (2) The power pump may be propulsion engine driven provided it can be readily engaged to the engine.
- (3) Required for leader vessels or individual operating fishing vessels operating within East China Sea and South China Sea and will be endorsed in the licence or certificate.
- (4) Engine room which contains internal combustion type machinery having in aggregate a total power output of not less than 375 Kw shall be provided with at least one dual purpose nozzle.
- (5) Requirements in angle bracket (“< >”) are for new vessels only.
- (6) The fire detection system may be waived provided the location of the machinery space facilitates the detection of fire by persons on board.

UNQUOTE

(Remark : The above content shall quote from the latest version after the consideration and legislation of [Merchant Shipping(Local Vessels)(Safety & Survey) Regulation])

**GENERAL SAFETY STANDARD AND REGULATIONS
FOR THE CONSTRUCTION OF FISHING VESSELS**

Accordance with the rule and arrangement stipulated in paragraph 2.2 relating to “Other Standards” and paragraph 8 relating to “Equivalence” of Chapter 1 “General” section, the following regulations and standards will generally be recognized, accepted and applicable to fishing vessels.

	SAFETY STANDARD AND REGULATIONS FOR THE CONSTRUCTION OF FISHING VESSELS
1	IMO 《Torremolinos International Convention for the Safety of Fishing Vessels, 1977》 promulgated technical standards and regulations
(a)	IMO 《1993 Torremolinos Protocol and Torremolinos International Convention for the Safety of Fishing Vessels, 1977, Consolidated Edition》 – Construction and equipment of fishing vessels》 (Applicable to fishing vessels of length 24 m and over)
(b)	「 Guidelines for the Safety of Fishing Vessels of 24 metres and over but less than 45 metres in Length Operating in the East and South-East Asia Region 」 Note: These is a voluntary guidelines.
(c)	「 Voluntary Guidelines for the Design, Construction and Equipment of Small Fishing Vessels, 2005 」 (Applicable to decked vessels of length 12m and over but less than 24m) Note: This is a voluntary guidelines.
(d)	「 Code of Safety for Fishermen and Fishing Vessels, 2005– Part A – Safety and Health Practice (relating to construction and equipment of fishing vessels) 」 (Applicable to decked or undecked vessels of length 12m or less and decked vessels of length 12m and over) Note: This is a voluntary code.
(e)	「 Code of Safety for Fishermen and Fishing Vessels, 2005–Part B – Safety and Health Requirements for the construction and equipment of Fishing Vessels (Applicable to vessels of length 24m and over but less than 45m) 」 Note: This is a voluntary code.
2	“Register of Fishing Vessels of the PRC ” promulgated the inspection rules technical standards and regulations
(a)	《《 Regulations for Fishing Vessel of the PRC 》》 (Came into force on 1 August 2003)
(b)	《《Regulation for the Construction of Steel Sea Going Fishing Vessels - 1998》》 (Applicable to steel fishing vessels of length not less than 12m and but less than 90m)
(c)	《《Regulation for Statutory Surveys of Fishing Vessels of the PRC (2000) 》》

(d)	《Regulation for Statutory Surveys of Fishing Vessels of the PRC – River Trade, GRP, Wooden Sea-going and Small Steel Fishing Vessels Statutory Surveys and Technical Regulations (2002)》
(e)	《Regulation for Statutory Surveys of Sea-going Fishing Vessels of the PRC (2003)》
(f)	《Regulation for Statutory Surveys of Fishing Vessels of the PRC –fire protection of fuel oil pipe of diesel engine, prevention of sewage pollution and implement nitrogen oxide emission from diesel engines of statutory surveys and technical regulations (2003)》
(g)	《Regulation for Design Specimen and Technical Appraisal Document for Fishing Vessels (2003)》
3	《British Sea Fish Industrial Authority (Construction Standard for GRP Fishing Vessels of length less than 24m)》

Remark : (1) IMO means International Maritimes Organization

(2) Fishing vessels are to be complied the above relevant standards, but also complied with the requirements of this Code of Practice, [Merchant Shipping (Local Vessels) Ordinance] and [Merchant Shipping(Local Vessels)(Safety & Survey) Regulation]

**INITIAL SURVEY FOR LICENCE OF STEEL FISHING VESSELS OR GRP FISHING VESSELS⁽¹⁾
/NEW WOODEN FISHING VESSELS OF LENGTH 15 METRES OR ABOVE–
(APPLICABLE TO VESSELS PERMITTED TO OPERATING BEYOND HONG KONG WATERS-
AND COASTAL WATERS OF MAINLAND CHINA)**

(A) Plans required to be submitted for approval for new built fishing vessels –

According to the safety navigation limits of the vessels, new built fishing vessels should be surveyed by the officer of this department at appropriate stages in accordance with the recognized rules and design. Owner of the vessels should apply for drawing approval by submission of the following drawings, in duplicate. (Address : Local Vessels Safety Section, 23 Floor, Harbour Building, Telephone No. 2852 4444) –

- 1) General Arrangement
- 2) Tonnage Measurement and Calculations
- 3) Structures and Scantlings, including
 - a) Midship Section
 - b) Scantling Calculation
 - c) Profile, Deck and bulkhead
 - d) Shell Expansion
 - e) Rudder / Kort Nozzle, Rudder Stock, Skeg and Sole Piece
- 4) Freeboard Calculation
- 5) Arrangements relating to watertightness, weathertightness, bulkheads, hatchways, coamings, side scuttles, air vents, freeing ports, scuppers, inlets and discharges
- 6) Stability information, including:
 - a) Lines Plan including details of draft marks and offset tables (for record)
 - b) Hydrostatic Curves
 - c) Cross Curves of Stability
 - d) Preliminary Intact Stability
- 7) Accommodation Layouts
- 8) Escape Routes
- 9) Fuel, Machinery and Electrical Systems, including
 - a) Engine Room Arrangement
 - b) Propeller Shafting, Stern Tube and Coupling
 - c) Fuel Oil System (including tanks and piping)
 - d) Fire-fighting Piping arrangement (including fire main, fixed fire extinguishing system, etc)
 - e) Bilge Pumping Arrangement

- f) Air Receiver (if fitted)
 - g) Compressed Air Piping System (for pressure \geq 10 bar) (if fitted)
 - h) Steering Gear Hydraulic Piping System
 - i) Filling, Sounding and Air Vent system
 - j) Domestic LPG Installation (if fitted)
 - k) Electrical System Line Diagram
 - l) Wiring Diagram of Main Switchboard
 - m) Layout of Main Switchboard
 - n) Electrical Equipment Arrangement
 - o) Wiring Diagram of Distribution Boxes
- 10) Safety Plan showing arrangement of life-saving appliances, fire-fighting appliances, light and sound signals
 - 11) Structural Fire Protection Arrangement
 - 12) Navigational and Communication Equipment
 - 13) The Prevention and Control of Pollution⁽²¹⁾ and
 - 14) Measures against potential hazards to the safety of the vessel or any person or property on board the vessel

Remarks:

~~(1) New Wooden Fishing Vessel : means any wooden fishing vessel licensed on or after the implementation date of this regulation for the first time.~~

(21) If vessel's gross tonnage is less than 400, the requirement for installation of Prevention of Oil Pollution equipment may be waived provided that some basic and effective means for prevention of oil pollution is arranged on board.

(B) Initial Survey Items for fishing vessels

- (1) Having returned the approval of the submitted drawings, ship owner can apply to Marine Department for all the survey work of the vessel or arrange to delegate survey work as prescribed in section (2) and (3).
- (2) Arrangement of Recognized Survey
 - (a) In order to cater for the need of ship owner, Marine Department has requested the Register of Fishing Vessel of PRC or the Bureau of Fisheries of Guangdong to carry out most of the items of new construction and docking survey for fishing vessels in China. This would include the survey report of newly constructed vessel, the assessment, verification and endorsement of the inspection record of existing vessels. Ship owners can at their discretion to invite the Bureau of Fisheries to carry out the "recognized survey" items.

- (b) The plan approval, audit survey for the assessment, verification and endorsement of the inspection record together with the final survey would still be carried out by Marine Department.
- (3) (a) For those existing vessels constructed in China, the ship owner should submit the relevant inspection report and record (ship owner may ask the construction shipyard for the necessary assistance) and request the Bureau of Fisheries to arrange the “recognized survey” soonest as possible. This would also include the verification and endorsement of the relevant document of the inspection record and survey report.
- (b) The ship owner should submit to the department the Bureau of Fisheries endorsed and verified inspection record and survey report. Ship owner may submit the relevant documents through agent of Bureau of Fisheries.
- (4) Under normal circumstances, the plan approval work would require two months for completion and the ship owner should arrange the survey work after the plan approval has been completed. In order to avoid unnecessary delay, ship owner should submit the relevant drawing, plan and document for approval soonest possible. Ship owner should note that any delay in submitting plans and other documents may hinder the inspection schedule.
- (5) Under the new Merchant Shipping (Local Vessels) Ordinance, the ship owner may have the discretion to select the competent surveyor and recognized authority for plan approval and survey work. [Owner should follow the time table for authorization of survey]

**Construction and initial survey for licence
of GRP fishing vessels or fishing sampans**

1. Interpretation
 - 1.1 New Vessel: in respect of which an application for an operating licence is made for the first time on or after the commencement of the Merchant Shipping (Local Vessels) Ordinance.

2. Construction and initial survey for licensing
(Including new construction and first licensed existing vessels)

Application for licensing should comply with the procedures in the paragraph 6 of Chapter I of this Code. Licence and Certificate of Inspection is issued in consideration and reference to safe operating waters as per safety navigation requirement limit and according to Annex N-1 and N-4.

- 2.1 Glass Reinforced Plastic Fishing Vessel of length overall of 15 metres or above, drawing approval and construction survey, should be according to Annex N-2.
- 2.2 New Glass Reinforced Plastic Fishing Vessel of length overall between 8 metres and below 15 metres
 - (a) The relevant plans and information requirement should be submitted according to Chapter II that applicable to a Cat. B vessel.
 - (b) Information such as the design standards or construction specifications of the hull components and engine equipment should be produced.
 - (c) Report on hull material verification and GRP material test should be produced.

2.2.1 Design and Construction Standard

The design and construction standard of the vessels should be in accordance with the standard from classification societies or national maritime administration with regard to its size, purpose and area of operation.

2.2.2 Drawing approval

Drawings required to be submitted for approval:

- (1) General arrangement (including L.S.A., F.F.A. evacuation arrangement, L.S.S. and radio communication equipment arrangement)
- (2) Cross-section plan and structural plan (including the side and deck), rudder and rudder stock
- (3) Propeller shafting and stern tube plan
- (4) Fuel oil tanks and piping
- (5) Fire fighting piping and bilge pumping system
- (6) Electrical wiring diagram and electrical installation plan (if fitted with 220V or above generator)
- (7) Inclining experiment report and stability information booklet

2.2.3 Initial Survey

The following items should be presented for survey (for new vessels under construction):

- (1) Hull construction (incl. material test, verification of scantling of hull structural members, inspection of hull connections etc.)
- (2) Machinery installation (incl. main engines and gearboxes, fuel tanks construction etc.)
- (3) Electrical installation (incl. insulation test)
- (4) Verification of principal dimensions and draft marks
- (5) Inclining test
- (6) Final survey (safety equipment etc.)

2.3 Vessels of Length Overall not exceeding 15 metres (may apply original design)

- (1) The first vessel (original design vessel) of an approved series should be subject to plan approval and surveys as per the requirements listed in para. 2.2 above.
- (2) For the second to the eighth vessels being constructed with the same design in the same workshop, the following relevant requirements are suffice:
 - (i) Submission of the certificate of manufacture, construction inspection; and test records issued by the inspected workshop together with photos;
 - (ii) Lightship weight confirmation;
 - (iii) Final survey (safety equipment etc.).

Remarks: (1) For new vessel (including modification) of length overall not exceeding 4210 metres, in lieu of para. 2.2.2 and 2.3(1), owner may submit relevant “simple plans/information” for approval verification.

- (2) For new vessel of length overall not exceeding 4210 metres and only operating in Hong Kong waters, in lieu of para. 2.2.2 (7) and 2.2.3 (5), a simple inclining test and report is required for verification.

**Guidance Note on the Construction and Initial Survey for Licensing of
GRP Fishing Sampans of Length less than 15 metres**

3. Application for new construction
 - 1.1 The procedure should follow the guidelines stated in Chapter I section 6.
 - 1.2 Requirements of vessels should be in consideration and reference to its safe operating waters. ~~accordance to safety navigation limit. [Refer to Annex N-1 and N-4(B) and N-4(C)]~~
2. Drawings required to be submitted for approval. (May refer to para.2.2, 2.3 of annex-N3)
 - 2.1 The relevant plans and information stipulated in Chapter II applicable to a Cat. B vessel should be submitted.
 - 2.2 Information such as the design standards or construction specifications of the hull components and engine equipment should be produced.
 - 2.3 Report on hull material verification and GRP material test should be produced.
3. Survey for initial licensing
 - 3.1 The workshop and relating facilities should be inspected by Marine Department. The requirements for the workshop are as follows:
 - (i) The workshop should be adequately sheltered from wind and rain and provide with suitable ventilation equipment. Workshop intended for constructing large vessels should be fitted with thermostat and humidistat.
 - (ii) Sufficient natural lighting and illumination should be provided. Direct exposure of product to sunlight and strong lamplight that affect the normalization of resin should be avoided.
 - (iii) Air exhausting and drainage facilities should be installed.
 - (iv) Sufficient fire fighting and safety facilities should be installed.
 - 3.2 During the construction of the first vessel (prototype) of a series, the following items should be inspected by Marine Department: hull construction (verification of thickness of the hull members laminate); oil fuel tank construction; engine and gear box; electrical installation/insulation test; verification of principal dimensions and draft marks; inclining test/lightship inspection; final survey (safety equipment etc.).
 - 3.3 For the subsequent vessels (for the second to eighth vessel) being constructed with the same mould in the same workshop, submission of only the certificate of manufacture, construction inspection and test records issued by the inspected workshop together with mould photos are sufficed. These vessels are required for final survey and issuing certificate prior to licensing.

Annex N-4(B)
Requirements for Class III GRP Fishing Sampan Fitted with Diesel Engine

Length Overall (L)	$5m \leq L < 8m$	$8m \leq L < 15m$
Power	Diesel inboard/ outboard engine $\leq 90HP$ (67kW)	Diesel inboard/ outboard engine $\leq 250HP$ (187kW)
Ship Construction	<ul style="list-style-type: none"> ● Fully decked with deckhouse as per the proposal of the representatives of fishermen. ● Scantlings in compliance with the relevant requirements such as RFV, FIA or any recognized classification societies etc (including properties of glass-fibre material 	
Stability and Buoyancy	<ul style="list-style-type: none"> ● Simple inclining test to indicate that heel $< 7^\circ$ in fully loaded condition, ● At full power, the longitudinal heeling $< 4^\circ$ & turning $< 8^\circ$ or 80% of freeboard, ● Any one water-tight compartment should meet 100% built-in buoyancy at full load condition or by filling those compartments with foam <p>Or</p> <ul style="list-style-type: none"> ● Inclining test ● Stability information as other vessels operating outside Hong Kong waters 	
Inspection	Survey afloat every 2 years and survey on slipway every 6 years (refer Annex N-6(A)).	
Operating Limits	(1) For vessel length $5m < L < 8m$, Hong Kong waters only (2) For vessel length of $8m \leq L < 15m$, Hong Kong waters or not exceeding 10 n miles from shore. (Vessel may request exemption from Licensing Office of Marine Department for exempting relevant formalities of port arrival and departure clearance)	
LSA	<ul style="list-style-type: none"> ● One lifejacket for each person on board; <i>and</i> ● One Life buoy 	
FFA	<ul style="list-style-type: none"> ● One 2.7kg dry powder portable fire extinguisher <i>and</i> one bucket with lanyard ● For vessel length of 8m or above, one additional set of above is required 	
Navigation lights	One masthead light, sidelights, sternlight. N.U.C. light and post height requirements as per details in COLREGS.	
Emergency communication means	Not required for HK waters. Those operating in mainland waters would have to meet mainland required standards.	
Drawings-hull/mc	The first vessels is required for approval of proto-type design and inspection standards which would cover a certain hull number of subsequent vessels built to approved standards	
Survey-hull/mc/final	Subject to satisfactory inspection of prototype by Marine Department on hull and machinery and final inspections to meet the approved standard and tests with proper records submission. Then, each subsequent vessel is built and tested to approved standards for a certain hull number with inspection records submission to Marine Department for vetting and subject to final inspection.	
Certificate of Insp	Local Vessel Certificate of Survey will be issued (as per category B according to MS (Local Vessels) (Safety and Survey) Regulation)	

RFV Register of Fishing Vessel of PRC's " Construction Standard for GRP Fishing Vessels 2002 "
 FIA Sea Fish Industry Authority <Glass Reinforced Plastic - fishing vessels of less than 24m Reg. Length>

Annex N-4(C)
Requirements for Class III GRP Fishing Sampan Fitted with Petrol Outboard Engine⁽¹⁾

Length Overall (L)	5m ≤ L < 6m	6m ≤ L < 8m	8m ≤ L < 15m
Power (P)	Petrol outboard P ≤ 40HP (30kW)	Petrol outboard P ≤ 75HP (56kW)	Petrol outboard P ≤ 90HP (67kW)
F.O. Storage System	Max. fuel oil capacity not more than 100 litres carried by portable tanks of unit capacity not exceeding 50 litres ⁽¹⁾		Max. fuel oil capacity not more than 150 litres carried by portable tanks of unit capacity not exceeding 100 litres [see remark 1]
Ship Construction	<ul style="list-style-type: none"> ● Fully decked with deckhouse as per the proposal of the representatives of fishermen. ● Scantlings in compliance with the relevant requirements such as RFV, FIA or any recognized classification societies etc (including properties of glass-fibre material 		
Stability and Buoyancy	<ul style="list-style-type: none"> ● Simple inclining test to indicate that heel < 7° in fully loaded condition, ● At full power, the longitudinal heeling < 4° & turning < 8° or 80% of freeboard, ● Any one water-tight compartment should meet 100% built-in buoyancy at full load condition or by filling those compartments with foam <p>Or</p> <ul style="list-style-type: none"> ● Inclining test ● Stability information as other vessels operating outside Hong Kong waters 		
Inspection	Survey afloat every 2 years— and survey on slipway every 6 years [refer Annex N-6(A)]		
Operating Limits	(2) For vessel length 5m < L < 8m, Hong Kong waters only (2) For vessel length of 8m ≤ (L) < 15m, Hong Kong waters or not exceeding 10 n miles from shore. (Vessel may request exemption from Licensing Office of Marine Department for exempting relevant formalities of port arrival and departure clearance)		
LSA	<ul style="list-style-type: none"> ● One lifejacket for each person on board; <i>and</i> ● One Life buoy 		
FFA	<ul style="list-style-type: none"> ● One 2.7kg dry powder portable fire extinguisher <i>and</i> one bucket with lanyard ● For vessel length of 8m or above, one additional set of above is required 		
Navigation lights	One masthead light, sidelights, sternlight. N.U.C. light and post height requirements as per details in COLREGS.		
Emergency communication	Not required for HK waters. Those operating in mainland waters would have to meet mainland required standards.		
Exemption	Existing	Should comply the revised version.	
	LVO	If fitted with petrol engines, the vessel should be exempted from the paragraph 6 (2) of the M.S. (Local vessels) (Safety and Survey) regulation.	
Drawings-hull/mc	The first vessel is required for approval of proto-type design and inspection standards which would cover a certain hull number of subsequent vessels built to approved standards		
Survey-hull/mc/final	Subject to satisfactory inspection of prototype by Marine Department on hull and machinery and final inspections to meet the approved standard and tests with proper records submission. Then, each subsequent vessel is built and tested to approved standards for a certain hull number with inspection records submission to Marine Department for vetting and subject to final inspection.		
Certificate of Insp	Local Vessel Certificate of Survey will be issued (as per category B according to MS (Local Vessels) (Safety and Survey) Regulation)		

RFV Register of Fishing Vessel of PRC's " Construction Standard for GRP Fishing Vessels 2002 "

FIA Sea Fish Industry Authority <Glass Reinforced Plastic - fishing vessels of less than 24m Reg. Length>

Remark : (1) Portable petrol tanks must meet safety standard and be a type-approved model or made by the engine manufacturer. exemption from relevant regulation should be obtained.

[The following amendment replace Annex N previously proposed]

**SURVEY REQUIREMENTS FOR
WOODEN FISHING VESSELS OR FISHING SAMPANS**
(Applicable to vessels 8 metres or above^(A) or less than 8 metres^(B))

1. Annual extension of the licence should have owner declaration for safety^(A or B)

(Declaration of Safety for license extension of fishing vessels) [See Annex N-6(B)]

2. Initial survey for licence and subsequent biennial^(A) or triennial^(B) survey afloat

- (a) Inspection of general hull condition, fire-fighting appliances, life-saving appliances, escape route, light and sound signals, navigation and communication equipment etc.
- (b) Inspection of the condition of closing appliances and air vents etc.
- (c) General inspection of the fuel oil systems for fire and pollution hazards.
- (d) Functional test of bilge water pumping system.
- (e) Operation tests of all equipment on board including running tests of steering gear, main and auxiliary engines.
- (f) Function tests of the meters etc. on the switchboards and earthing tests.
- (g) Megger tests report is to be submitted for record purposes (Insulation resistance shall not be less than 1 MΩ)
- (h) Setting of the relief valves for the air receivers, if any.
- (i) L.P.G. system to be checked, if fitted.
- (j) Verification of Certificate of Competency of the engineer and the master on board.

Remarks : (1) The initial and periodic survey of fishing vessels should be carried out by Marine department. Vessel owners can also request relevant Mainland Fishing Vessels Bureau to carry out the “recognized survey” (“recognized survey” means the survey items which MD agreed to be carried out by Register of Fishing Vessels of PRC or RFV of Guangdong). However, the final survey and the audit survey should be carried out by MD.

- (2) Vessel inspection should also include general (including the stability) hull condition. The equipment and measures of fire-fighting, life-saving and pollution prevention should also satisfy the relevant requirements.
- (3) Radio equipment (if require to install) should satisfy the concerned ordinance of Hong Kong. If the vessel operated in Chinese waters, they should also satisfy the requirement of local legislation in order to provide the need of rescue and emergency communication.

Periodical Survey Cycle for Fishing Vessels⁽¹⁾ (8 3)

(A) ~~Steel Hull or GRP fishing Vessels or New Licensed⁽⁵⁾ Wooden Fishing Vessels (Vessel length 24 metres or above and permitted to operate beyond in Hong Kong and China coastal waters – Safety Navigation Limits I or II)~~

- (I) Annual Survey (Afloat)
- (II) Biennial Survey (Intermediate Survey)⁽²⁾
- (III) Quadrennial Survey (Survey-on-slip)⁽²⁾

~~(B) Existing licensed⁽⁶⁾ Wooden Fishing Vessel (vessel length 15 metres or above and operate in Hong Kong and China coastal waters – Safety Navigation Limits I – II – II⁽²⁾ or III)~~

- ~~(I) Annual extension of the license should have owner declaration for safety (Declaration of Safety for license extension of fishing vessels) [See Annex N-6(B)]~~
- ~~(II) Biennial Survey (Afloat)~~
- ~~(III) Quadrennial Survey (Survey on slip)^{(3)(4)&(7)} (Only applicable to vessels of length 24 metres or above and operate in Safety Navigation Limits I or II or II⁽³⁾)~~
- ~~(IV) Survey at every six years (Survey on slip)^{(3)(4)&(7)} (Only applicable to vessels of length between 15metres to below 24 metres and operate in Safety Navigation Limits III)~~

~~Note: (*): operation limit within 50 n. miles from coast~~

~~(B) (1) Steel fishing Vessels (vessel length below 24 metres and permitted to operate beyond in Hong Kong and China coastal waters – Safety Navigation Limit II⁽²⁾ or III)~~

~~(2) GRP Fishing Vessels or New Licensed⁽⁵⁾ Wooden Fishing Vessels (Vessel length between 15 and below 24 metres and permitted to operate beyond within Hong Kong and China coastal waters – Safety Navigation Limits II⁽²⁾ or III)~~

- (I) Annual Survey (Afloat)
- (II) Triennial Survey (Intermediate Survey)
- (III) Survey for every six years (Survey-on-slip)

~~Note: (*): operation limit within 50 n. miles from coast~~

~~(C) Wooden Fishing Vessel or GRP Fishing Sampans of (vessel length between 8 and below 15 metres (permitted to and operate beyond within Hong Kong and China Coastal waters – Safety Navigation Limits III⁽²⁾ or III)~~

- (I) Annual extension of the licence should have owner declaration for safety (Declaration of Safety for license extension of fishing vessels) [See Annex N-6(B)]
- (II) Biennial Survey (Afloat)
- ~~(III) Survey for every six years (Survey on slip)^{(3)(4)&(7)} (Only applicable to vessels operate in Safety Navigation Limits III⁽²⁾ or III)~~

Note: (#) operation limit within 10 n. miles from coast

(E) Wooden Fishing Vessel or GRP Fishing Sampan (vessel length below 8 metres and operate within Hong Kong waters)

- (I) Annual extension of the licence should have owner declaration for safety (Declaration of Safety for license extension of fishing vessels) [See Annex N-6(B)]
- (II) Biennial Survey (Afloat) (Only applicable to GRP Fishing Sampan)
- (III) Triennial Inspection (Afloat) (Only applicable to Wooden Fishing Vessels)

Remark:

- (1) The above-mentioned periodic inspection for annual, biennial and triennial (afloat) survey should be the same as Annex N-7(A) or N-7(B).
- (2) Ship owner can apply to extend the date of survey-on- slip during the annual inspection. Extension (not exceeding one year) would be granted in case the condition of the vessel permitted to do so. Following that, the quadrennial survey can be extended accordingly.
- ~~(3) The date of survey on slip would start from the date of issuance of the licence and would become effective after two year after the implementation of the ordinance.~~
- ~~(4) For the requirements of paragraphs (B), (C) and (D), periodical survey cycle will be revised as per paragraph (A) after the implementation date of 漁船公約.~~
- ~~(5) New Licensed Vessels: mean the fishing vessel first licensed on or after the enforcement of the new local vessel ordinance.~~
- ~~(6) Existing Licensed Vessels: mean the fishing vessel which had licensed before the enforcement of the new local vessel ordinance.~~
- ~~(7) Major Cycle Inspection carried out at every 4 years or 6 years as mentioned in paragraphs (B) and (D) may be flexibility considered. If vessel owner conducts survey on slip at any time, a new survey cycle, i.e. 4 years or 6 years may be started again. For the survey of the machineries items, application for deferred survey may be considered if provided with good maintenance records(See Annex N-6(B)).~~
- (E3)** Vessels permitted to operate beyond Hong Kong in the China coastal waters should comply all the safety requirements or instructions laid by the officer-in-charge of the mainland waters.

Declaration of Safety and Equipment for Renewal of Fishing Vessel Licence

(Applicable to Wooden Fishing Vessel/fishing sampan or GRP Fishing Sampan
less than 15 Metres in length)(To be completed before licensing)

1. This declaration is to be completed in accordance to safety standard for Class I, II and III vessels, Code of Practice; owner of the vessels should inspect and declare the safety and equipment of his vessel at the time of licence renewal, the owner should produce this declaration together with the Certificate of Inspection at the time of renewal of licence.

船隻名稱 Name of Vessel		船隻擁有權證明書號碼 Certificate of Ownership No.
級別 Class	類別 Category.	類型 Type
總長度 (米) Overall Length (m)	最大寬度 (米) Extreme Breadth (m).	船體材料 Hull Material.....
總噸 Tonnage Gross.....	淨噸 Tonnage Nett.	長 x 闊數 (米 ²) L x B numeral

Name of owner: _____

Inspection date of certificate: _____

Expiry date of certificate: _____

2. Declaration of owner or master (Name: _____):

I hereby verify the following items:

- (a) The equipment and quantities of LSA and FFA onboard this vessel were found in compliance with certificate of inspection, have appropriate maintenance and the conditions are good and not exceeding the expiry date of such equipment; (if such equipment have expiry date)
- (b) The working condition of the radio communication equipment is normal;
- (c) That the vessel is properly fitted with navigational equipment, light and sound signals. They also comply COLREG 1972 regulations;
- (d) The conditions of vessel, construction, machinery, electrical apparatus and escape routes were found in good condition and fit for service intended;
- (e) The vessel have not been modified without the approval from Director of Marine;
- (f) Watertight doors and hatches are in good and normal condition; and
- (g) Vessel's operators hold valid certificates of competency. (Please fill in the master and engineer certificate no.)

Master's name _____ Certificate No. _____

Engineer's name _____ Certificate No. _____

Inspection date of cert. (Annually)	Owner's signature/ *Master's signature _____	Date: _____
Inspection date of cert. (Biennially) #	Owner's signature/ *Master's signature _____	Date: _____

- Remarks: (1) This declaration together with the certificate of inspection should be kept in good custody.
(2) / Delete inappropriate.
(3) * If the owner is not the master of the vessel, he can check the above items with the master and makes the above declaration.
(4) # Only applicable to wooden vessel of length overall not exceeding 8 metres.

**Periodic Inspection Programme for Steel Fishing Vessels and
GRP Fishing Vessels ~~/~~ ~~New Wooden Fishing Vessels~~ of Length Over 15 Metres**
(Applicable to vessels permitted to operating beyond in Hong Kong and China Coastal
Waters)⁽⁷⁾

(A) Steel Fishing Vessels of Length Over 24M or GRP Fishing Vessels ~~/~~ ~~New Wooden Fishing Vessels~~⁽⁸⁾ (Applicable to vessels permitted to operating beyond in Hong Kong waters and Chinese Safety Navigation Limit I or II)

(I) Annual Inspection (Afloat) (See remark 1, 2, 3)

- (a) Inspection of hull general condition, fire-fighting appliances, life-saving appliances, escape route, light and sound signals, navigation and communication equipment etc.
- (b) Inspection of the condition of closing appliances and air vents etc.
- (c) General inspection of the fuel oil systems for fire and pollution hazards.
- (d) Functional test of bilge water pumping system.
- (e) Operation tests of all equipment on board including running tests of steering gear, main and auxiliary engines.
- (f) Function tests of the meters etc. on the switchboards and earthing tests.
- (g) Setting of the relief valves for the air receivers, if any.
- (h) L.P.G. system to be checked, if fitted.
- (i) Verification of Certificate of Competency of the engineer and the master on board.

(II) Biennial Inspection (See remark 1, 2, 3)

Inspections on slipway (Intermediate Inspection)

- (a) The vessel is to be cleaned for external examination of the hull (internal inspection of the hull, void spaces and tanks are not required).
- (b) 50% of the fuel oil tanks are to be hydraulically tested to the appropriate heads if the vessel is eight or more years old (i.e. 2nd major cycle inspection). {See remark (4)}
- * (c) Tail shafts, propellers, rudders and rudder stocks are to be drawn out for examination by Surveyors or Inspectors of the Department. The conditions of stern bush will also be checked. (For water lubricated tailshaft, the stern bush and shaft clearance is not to be more than 4% of the shaft diameter)
- * (d) Main engines, gear boxes and generator engines are to be completely stripped down by engine repairing workshops or vessel owner follows the schedule of engine manufacturer through the guidance of engine repairing workshop to carry out repairing and maintenance. Inspection reports are to be submitted for

reference and record purposes. Afloat test should also be necessary and remark (5) and (6) can also be checked for reference.

*[The above item(s) (c) and/or (d) may either be carried out during this inspection or if conditions are good (i.e. Submission of engine running record or information showing good condition.) Those items can be deferred to major cycle inspection. Remark(4) can also be checked for reference.

Inspection Afloat

- (e) According to Section (I) above,
- (f) Megger tests report is to be submitted for record purposes (Insulation resistance shall not be less than 1 MΩ).
(Megger test report may defer to submit at major cycle inspection if the earth leakage indicating lamps indicate in normal condition.)

(III) Triennial Inspection (Afloat) (See remark 1, 2, 3)

- (a) According to Section (I) above.

(IV) Quadrennial Inspection (See remark 1, 2, 3)

Inspection on slipway (Major Cycle Inspection)

- (a) The vessel is to be cleaned for external examination of the hull. Internal examination of the hull, void spaces and tanks are also required.
- (b) All sea suction and discharge valves are to be opened up for inspection.
- (c) 50% of the fuel oil tanks are to be hydraulically tested to the appropriate heads if the vessel is eight or more years old. {See remark (4)}
- (d) All air receivers (if any) are to be cleaned for internal examination and hydraulic test as appropriate.
- (e) Gauging of the thickness of the keel, bottom, shell, deck and bulkhead plates shall be conducted and the shell expansion plan is to be updated if the vessel is eight or more years old. (The minimum thickness of the plates is not to be less than 5 mm) {See remark (4)}
- *(f) Tail shafts, propellers, rudders and rudder stocks are to be drawn out for examination by Surveyor or Inspectors of the Department [or see remark (1)]. The conditions of stern bush will also be checked. (For water lubricated tailshaft, the stern bush and shaft clearance is not to be more than 4% of the shaft diameter)
- *(g) Main engines, gear boxes and generator engines are to be completely stripped down by engine repairing workshops or the vessel owner follows the schedule of engine manufacturer through the guidance of engine repairing workshop to carry out repairing and maintenance. Inspection reports are to be submitted for reference and record purpose.

Afloat test should also be necessary and remark (5) and (6) can also be checked for reference.

* [If above items (f) and (g) can be waived if they have been carried out biennially (intermediate inspection). Please also see remark (4) for reference.

Inspection Afloat

- (h) According to Section (I) above.
- (i) Megger tests report is to be submitted for record purposes (Insulation resistance shall not be less than 1 MΩ)
- (V) Additional requirements – It should be noted, however, that the Surveyor or Ship Inspector [or see remark (1) and the assigned surveyors] has the authority to, and may at his discretion, inspect any space, or require any item of machinery or equipment to be opened up, at an annual inspection or any other time.

- (B) Steel Fishing Vessels of length less than 24M and below or GRP Fishing Vessels—/ New Wooden Fishing Vessels⁽⁸⁾ of length between 15M to and less than 24M (Applicable to vessels permitted to operate beyond in Hong Kong waters—and Chinese Safety Navigation Limit II(*) or III)
Note : (*) Limited to operate in waters 50 n.miles offshore

Periodic inspection programme same as (A); Intermediate Inspection must be carried at least every 3 years and Major Cycle Inspection must be carried at least every 6 years, extension is not allowed.

Remark: (1) The initial and periodic survey of fishing vessels should be carried out by Marine department. Vessel owners can also request relevant Mainland Fishing Vessels Bureau to carry out the “recognized survey” (“recognized survey” means the survey items which MD agreed to be carried out by Register of Fishing Vessels of PRC or RIV of Guangdong). However, the final survey and the audit survey should be carried out by MD.

(2) Vessel inspection should also include general (including the stability) hull condition. The equipment and measures of fire-fighting, life-saving and pollution prevention should also satisfy the relevant requirements.

(3) Radio equipment installation (if installed) should comply with the requirements of relevant legislation of Hong Kong. If the vessel is permitted to operate beyond Hong Kong in mainland waters, they should also comply with the requirement of local legislation in order to ensure the needs of rescue and emergency communication.

(4) Vessel owner can apply to extend the date of survey-on-slip during the annual inspection. Extension (not exceeding one year) would be granted or with condition after assessing the condition of the vessel is acceptable. Following that, the quadrennial survey can be extended accordingly.

(5) Vessel owner can apply to extend the date of inspection of machineries and installation during the annual inspection with submission of machinery system running records. Extension (not exceeding one year) would be granted with

or without condition after assessing the condition and checking of wear down limit of the machineries and installation is acceptable.

- (6) If the vessel is fitted with more than one set of main engine, generator set, tailshaft, propeller or rudder installation, the vessel owner can decide either to completely strip down all the engine and installation or one set of engine system (for main engine and generator set, the stripped down set should have not less than 40% of total power) and installation for detail inspection. The remaining sets should be stripped down for detail survey in the next annual or survey-on-slip. And the concerned inspection items can also be deferred accordingly. [This arrangement is a temporary or transitional one and would be under review after implementation for three years.]
- (7) After the new local vessel ordinance comes into force, the vessel owner can have the choice to select the competent surveyor and recognized authority for concerned plan approval and survey work.
- ~~(8) New Wooden Fishing Vessels: mean the wooden fishing vessels first licensed on or after the enforcement of the new local vessel ordinance.~~

Periodic Inspection Programme for Existing Licensed Wooden Fishing Vessels of Length overall 15M or Above, Fishing Sampan less than 8 metres in length and GRP Fishing Sampan Vessels less than of Length Overall Between 8M and 15 metres in length and Wooden Fishing Vessels
(Applicable to vessels operating within Hong Kong Waters and China Coastal Waters)

(I) Following periodic inspection programme is applicable to :

- (a) Existing licensed^(@) wooden fishing vessels of length overall 24m or above (operate within Hong Kong Waters and Safe Navigation Limit I, II or II^(*) of Chinese Waters).
- (b) Existing licensed^(@) wooden fishing vessels of length overall between 15m and 24m (operate within Hong Kong Waters and Safe Navigation Limit III or III^(#) of Chinese Waters).
- (c) Existing licensed^(@) wooden fishing vessels of length overall between 8m and 15m or GRP Fishing Vessels (operate within Hong Kong Waters and Safe Navigation Limit III or III^(#) of Chinese Waters).
- (a) Wooden vessels of length over 8 metres or GRP fishing sampans of length 8 metres to less than 15 metres (Permitted to operate beyond Hong Kong waters).

The period of survey afloat of the above two types of vessels in (I)(a) should in no case be conducted at least exceeding every two years, major cycle inspection on slip should in no case be conducted exceeding every four years, extension the survey would not be granted. Annual extension of the licence should have owner declaration of safety [See Annex N-6(B)].

- (b) Wooden fishing sampan less than 8 metres in length or GRP fishing sampan (Operating within Hong Kong waters)

The period of survey afloat of the above two types of vessels in (I) (b) & (c) should in no case be conducted at least every two years for GRP vessel and every three years for wooden vessels, major cycle inspection on slip should in no case be conducted exceeding every six years, extension the survey would not be granted. Annual extension of the licence should have owner declaration of safety [See Annex N-6(B)].

Remark : (*) — Operating within water area not more than 50 nautical miles from the coast.

~~(#) Operating within water area not more than 10 nautical miles from the coast.~~

~~(@) Existing licensed vessels means the vessel has granted licence before the effective date of the Local Vessels Ordinance.~~

(II) Declaration of Safety and Equipment for ~~annual~~ renewal of licence to be required

(Declaration of Safety and Equipment for Renewal of Fishing Vessel License) [See Annex N-6B]

(III) Biennial ~~or triennial~~ Survey Afloat [See remark 1, 2, 3]

- (a) Inspection of ~~hull general condition~~, fire-fighting appliances, life-saving appliances, escape route, light and sound signals, navigation and communication equipment etc.
- (b) Inspection of the condition of closing appliances and air vents etc.
- (c) General inspection of the fuel oil system for fire and pollution hazards.
- (d) Functional test of bilge water pumping system.
- (e) Operation tests of all equipment on board including running tests of steering gear, main and auxiliary engines.
- (f) Function tests of the meters etc. on the switchboards and earthing tests.
- (g) Megger test report of electric circuits is to be submitted for record purposes (Insulation resistance should not be less than 1M Ω).
(Megger test report may defer to submit at major cycle inspection if the earth leakage indicating lamps indicate in normal condition.)
- (h) Setting of the relief valves for air receivers, if any.
- (i) L.P.G. system is to be checked, if fitted.
- (j) Verification of Certificate of Competency of the engineer and the master on board.

~~**(IV) Declaration of Safety and Equipment for triennial renewal licence to be required**~~

~~(Declaration of Safety and Equipment for Renewal of Fishing Vessel License)~~

[See Annex N-6B]

~~(V) Quadrennial Survey [See remark 1, 2, 3]~~

~~Survey on slipway (Quadrennial or Major Cycle Inspection)~~

~~(a) The vessel is to be cleaned for external examination of the hull. Internal examination of the hull, void spaces and tanks are also required.~~

~~(b) All sea suction and discharge valves are to be opened up for inspection.~~

~~(c) 50% of the fuel oil tanks are to be hydraulically tested to the appropriate heads if the vessel is eight or more years old (or during 2nd Major Cycle Inspection).~~

~~(d) All air receivers (if any) are to be cleaned for internal examination and hydraulic test as appropriate.~~

~~(e) Gauging of the thickness of the keel, bottom, shell, deck and bulkhead plates shall be conducted if the vessel is eight or more years old (or during 2nd Major Cycle Inspection).~~

~~(f) Tailshafts, propellers, rudders and rudder stocks are to be drawn out for examination by Surveyor or Inspectors of the Department [see remark (1) the assigned surveyor]. The conditions of stern bush will also be checked. (For water lubricated tailshaft, the stern bush and shaft clearance is not to be more than 4% of the shaft diameter) or see remark (4) & (5).~~

~~(g) Main engines, gear boxes and generator engines are to be completely stripped down by engine repairing workshops. Or the vessel owner follows the schedule of engine manufacturer to carry out repairing and maintenance by engine repairing workshop. Inspection reports are to be submitted for reference and record purpose. Afloat test should also be conducted satisfactory and see remark (4) and (5) for reference.~~

~~Survey Afloat~~

~~(h) According to the items in part (III).~~

~~(i) Megger test report of electric circuit to be submitted for record (electrical insulation should not be less than 1M Ω).~~

~~(Megger test report may be submitted at the next inspection if the earth leakage~~

~~indicating lamps indicate in normal condition.)~~

- (VI IV) **Additional requirements** – It should be noted, however, that the Surveyor or Ship Inspector [or see remark (1) and the assigned surveyor] has the authority to, and may at his discretion, inspect any space, or require any item of machinery or equipment to be opened up, ~~at an annual inspection or~~ any other time.

Remark : (1) The initial and periodic survey of fishing vessels should be carried out by Marine department. Vessel owners can also request relevant Mainland Fishing Vessels Bureau to carry out the “recognized survey” (“recognized survey” means the survey items which MD agreed to be carried out by Register of Fishing Vessels of PRC or RFV of Guangdong). However, the final survey and the audit survey should be carried out by MD.

(2) Vessel inspection should also include general (including the stability) hull condition. The equipment and measures of fire-fighting, life-saving and pollution prevention should also satisfy the relevant requirements.

(4) Radio equipment (if require to install) should satisfy the concerned ordinance of Hong Kong. If the vessel is permitted to operated beyond Hong Kong in Chinese waters, they should also satisfy the requirement of local legislation in order to provide the need of rescue and emergency communication.

~~(5) Vessel owner can apply to extend the date of partial or full inspection of machineries and installation during the major cycle inspection with submission of machinery system running records. Extension would be granted with or without condition after assessing the condition and checking of wear down limit of the machineries and installation are found acceptable.~~

~~(6) If the vessel is fitted with more than one set of main engine, generator set, tailshaft, propeller or rudder installation, the vessel owner can decide either to completely strip down all the engine and installation or one set of engine system (for main engine and generator set, the stripped down set should have not less than 40% of total power) and installation for detail inspection during the major cycle inspection. The remaining sets should be stripped down for detail survey in the next survey on slipway. And the concerned inspection items can also be deferred accordingly. [This arrangement is a temporary or transitional one and would be under review after implementation for three years.]~~

(4) After the new local vessel ordinance comes into force, the vessel owner can have the choice to select the authorized surveyor/organization or recognized authority for concerned plan approval and survey work.