FAREAST 28R

2015-01

EFFECTIVE DATE: 1ST OF APRIL

The FAREAST 28R was designed in 2014 by Simonis & Voogd. The FAREAST 28R are built by Shanghai Far East Boats CO. LTD.
INDEX

PART I – ADMINISTRATION

Section A – General
A.1 Language .................................. 4
A.2 Abbreviations .............................. 4
A.3 Authorities .................................. 4
A.4 Administration of the Class .............. 4
A.5 Class Rules Changes ..................... 4
A.6 Rules Changes at Events ................. 4
A.7 Class Rules Interpretation .............. 5
A.8 International Class Fee and ISAF Building Plaque .... 5
A.9 Sail Numbers ............................... 5
A.10 Hull and Hull Appendage- Manufacturer Declaration .... 5
A.11 Initial Hull Certification ............... 5
A.12 Validity of Certificate ................. 5
A.13 Hull Re-Certification ................. 5
A.14 Retention of Certification Documentation .................. 6

Section B – Boat Eligibility
B.1 Class Rules and Certification .... 7
B.2 Class Association Markings ........ 7
B.3 Equipment Inspection ................ 7
B.4 Event Limitation Marks .............. 7

PART II – REQUIREMENTS AND LIMITATIONS

Section C – Conditions for Racing
C.1 General ................................ 8
C.2 Advertising Crew ...................... 8
C.3 Crew ................................ 8
C.4 Personal Equipment .................. 9
C.5 Portable Equipment .................. 9
C.6 Boat .................................. 10
C.7 Hull .................................. 10
C.8 Hull Appendages ..................... 11
C.9 Rig .................................. 12
C.10 Sails ................................ 13

Section D – Hull
D.1 Parts .................................. 15
D.2 General ................................. 15

Section E – Hull Appendages
E.1 Parts .................................. 15
E.2 General ................................. 15

Section F – Rig
F.1 Parts .................................. 16
F.2 General ................................. 16
F.3 Mast .................................. 17
F.4 Boom .................................. 17
F.5 Running Rigging ....................... 17

Section G – Sails
G.1 Parts .................................. 18
G.2 General ................................. 18
G.3 Mainsail ................................. 18
G.4 Headsail ............................... 20
G.5 Gennaker .............................. 21

PART III – APPENDICES
Section H
H.1 Sail Insignia ......................... 22
H.2 Corrector Weights ................. 22
H.3 Rig Description ..................... 23
INTRODUCTION

This introduction only provides an informal background and the International FAREAST 28R Class Rules proper begin on the next page.

FAREAST 28R hulls, hull appendages, rigs and sails are measurement/manufacturing controlled.

FAREAST 28R hulls, hull appendages and rigs shall be manufacturer controlled and shall only be produced by a manufacturer licensed by Shanghai Far East Boat CO. LTD. Equipment is required to comply with the International FAREAST 28R Building Specification.

FAREAST 28R hulls, hull appendages, rigs and sails may, after having left the manufacturer, only be altered to the extent permitted in Section C of the class rules.

FAREAST 28R sails are measurement controlled to control all the primary dimensions but may be made by any manufacturer. In order to confirm compliance with the class rules sails are required to be certified by an official measurer or by a manufacturer licensed under the ISAF In House Certification. These parts may only be altered to the extent permitted in Section C of the class rules after certification control has been performed.

Rules regulating the use of equipment during a race are contained in Section C of these class rules, in ERS Part I and in the Racing Rules of Sailing.

PLEASE REMEMBER:

THESE RULES ARE CLOSED CLASS RULES WHERE IF IT DOES NOT SPECIFICALLY SAY THAT YOU MAY – THEN YOU SHALL NOT.

COMPONENTS, AND THEIR USE, ARE DEFINED BY THEIR DESCRIPTION.

FAREAST, FAREAST 28R are registered trademarks of Shanghai Far East Boats CO. LTD.
PART I – ADMINISTRATION

Section A – General

The Fareast 28R Class Association has been created as a strict one-design class where the true test when racing is between crews and not boats. The fundamental objective of the class rules is to ensure that this concept is maintained, while preserving the Fareast 28R’s ease of handling, low cost of ownership, safety and comfort.

A.1 LANGUAGE
A.1.1 The official language of the class is English and in case of dispute over translation the English text shall prevail.
A.1.2 The word “shall” is mandatory and the word “may” is permissive.
A.1.3 Except where used in headings, when a term is printed in “bold” the definition in the ERS applies and when a term is printed in “italics” the definition in the RRS applies.

A.2 ABBREVIATIONS
A.2.1 ISAF International Sailing Federation
MNA ISAF Member National Authority
ICA International FAREAST 28R Class Association
NCA FAREAST 28R National Class Association
ERS Equipment Rules of Sailing
RRS Racing Rules of Sailing
OSR Offshore Special Regulations
LM Licensed Manufacturer
SHFE Shanghai Far East Boats CO. LTD.

A.3 AUTHORITIES
(Note: Before the class is an ISAF recognized class the ICA shall take the place of ISAF)
A.3.1 The international authority of the class is the ISAF which shall co-operate with the ICA in all matters concerning these class rules.
A.3.2 Notwithstanding anything contained herein, the SHFE has the authority to withdraw a certificate and shall do so on the request of the ISAF.
A.3.3 When used as a national class, the MNA shall take over ISAFs role and the NCA shall take over ICA’s role.
A.4 ADMINISTRATION OF THE CLASS
A.4.1 ISAF has delegated its administrative functions excluding sails of the class to ICA.
A.4.2 ISAF has delegated its administrative functions of the class in regard to sails to MNAs. The MNA may delegate part or all of its functions, as stated in these class rules, to an NCA.
A.4.3 In countries where there is no MNA, or the MNA does not wish to administrate the class, its administrative functions as stated in these class rules shall be carried out by the ICA which may delegate the administration to an NCA.

A.5 CLASS RULES CHANGES
A.5.1 Changes and amendments to these class rules shall be proposed in line with the ICA constitution and are subject to approval of ISAF in accordance with the ISAF Regulations.

A.6 RULES CHANGES AT EVENTS
A.6.1 At all events ISAF Regulation 10.5(f) applies.

A.7 RULES INTERPRETATION
A.7.1 Interpretation of ERS shall be made in accordance with the ISAF Regulations.
A.7.2 Interpretation of class rules shall be made in accordance with the ISAF Regulations.
A.7.3 Interpretation of the configuration manual shall be made by the Class Executive Committee and Fareast Boats in consultation with ISAF.
A.7.4 Interpretation of the construction manual shall be made by Fareast Boats in consultation with ISAF.

A.8 INTERNATIONAL CLASS FEE AND ISAF BUILDING PLAQUE
A.8.1 The licensed hull builder shall pay the International Class Fee.
A.8.2 ISAF shall, after having received the International Class Fee for the hull, send the ISAF Building Plaque and a measurement form to the licensed hull builder.

A.9 SAIL NUMBERS
A.9.1 Sail numbers shall correspond to the hull number (HIN) moulded into the transom of each boat.

A.10 HULL AND HULL APPENDAGE – MANUFACTURER DECLARATION
A.10.1 A Manufacturer Declaration shall record the following information:
(a) Class
(b) Hull Identification Number (HIN)
(d) Builder/Manufacturers details
(e) Date of issue of initial manufacture’s declaration
A.11 INITIAL HULL CERTIFICATION
A.11.1 For a **certificate** to be issued to hull not previously **certified**:

(a) **Certification control** shall be carried out by the **official measurer** who shall complete the appropriate documentation.

(b) The documentation and **certification** fee, if required, shall be sent to the **certification authority**.

(c) Upon receipt of a satisfactorily completed documentation and **certification** fee, if required, the **certification authority** may issue a **certificate**.

A.12 VALIDITY OF MANUFACTURER DECLARATION
A.12.1 A **manufacturer declaration** becomes invalid upon:

(a) the change to any items recorded on the declaration as required.

(b) withdrawal by the ISAF, LM **certification authority**,

(c) the issue of a new **declaration**.

A.13 RE-ISSUE OF MANUFACTURER DECLARATION
A.13.1 The **certification authority** may re-issue a **certificate** to a previously certified **hull**:

(a) when it is invalidated under A.12.1(a) or (b), after receipt of the old **certificate**, and **certification** fee if required.

(b) when it is invalidated under A.12.1 (c), at its discretion.

(c) in other cases, by application of the procedure in A.11.

A.14 RETENTION OF CERTIFICATION DOCUMENTATION
A.14.1 The **ICA** shall retain the currently issued **manufacturer declaration**.

A.14.2 A copy of the **manufacturer declaration** shall be retained by the LM. retain the original documentation upon which the current **certificate** is based.

(b) upon request, transfer this documentation to the new **certification authority** if the hull is exported.
Section B – Boat Eligibility

For a boat to be eligible for racing, it shall comply with the rules in this section.

B.1 CLASS RULES AND CERTIFICATION

B.1.1 The boat shall:
(a) be in compliance with the class rules.
(b) have a valid manufacturer’s declaration.
(c) have valid certification marks on sails.

B.2 CLASS ASSOCIATION MARKINGS

B.2.1 A valid Class Association Sticker, if required by the ICA, shall be affixed to the hull in a conspicuous position.

B.3 EQUIPMENT INSPECTION

B.3.1 In the case of a dispute at an event alleging non-compliance with class rules and building specification and construction manual where specific measurements are not stated, the Event Equipment Inspector shall adopt the following procedure:

a) A sample measurement of the disputed item shall be obtained by taking the identical measurement from a randomly selected group of boats or items of equipment (control group).

b) The measurement of the disputed boat or items of its equipment, taken using the same technique as above, shall be compared to the sample.

c) If any of the measurements obtained from the disputed boat or item of equipment lie outside the corresponding range of measurements found in the control group, the matter together with the details of the measurement methods and any other relevant information shall be referred to the Race Committee.

B.4 EVENT LIMITATION MARKS

B.4.1 If an event uses event limitation marks these marks shall not be removed during the event. If the event limitation mark becomes damaged or lost this shall be reported to the race committee as soon as possible.
PART II – REQUIREMENTS AND LIMITATIONS

The crew and the boat shall comply with the rules in Part II when racing. In case of conflict Section C shall prevail.

The rules in Part II are closed class rules.

Section C – Conditions for Racing

C.1 GENERAL

C.1.1 RULES

(a) The ERS Part 1 – Use of Equipment shall apply.

(b) RRS 42.3(C) is modified to allow the gennaker sheet to be played without restriction.

(c) For only the purpose of RRS 49, the cockpit safety line shall constitute a lifeline.

C.2 ADVERTISING

C.2.1 LIMITATIONS

Advertising shall only be displayed in accordance with the ISAF Advertising Code. (See ISAF Regulation 20)

C.3 CREW

C.3.1 LIMITATIONS

(a) No crew member shall be substituted during any event of 6 or less consecutive days, without the approval of the race committee or Jury.

C.3.2 WEIGHTS

<table>
<thead>
<tr>
<th>The total weight of the crew dressed in underwear</th>
<th>minimum</th>
<th>maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>kg</td>
<td>425 kg</td>
</tr>
</tbody>
</table>

C.4 PERSONAL EQUIPMENT

C.4.1 MANDATORY

(a) The boat shall be equipped with a personal floatation device for each crew member to the minimum standard ISO 12402-5 (CE 50 Newtons), or USCG Type III, or AUS PFD 1.
C.5 PORTABLE EQUIPMENT

C.5.1 GENERAL
(a) Mandatory equipment should be functional for its intended use.

C.5.2 FOR USE
(A) MANDATORY

(1) One anchor, not less than 5kg in weight, with at least 40m of rope with minimum diameter of 8mm.
(2) One bucket of not less than 9 liter capacity, with a lanyard (min 2m long)
(3) One manual bilge pump
(4) One marine first aid kit
(5) One operational VHF radio
(6) One throwable flotation device
(7) Tow line, at least 10m of rope with minimum diameter of 8mm
(8) Fire extinguisher that meets local regulations.

(B) Optional

(1) Electronic or mechanical timing devices
(2) Navigation lights
(3) Tactical and navigational charts and instruments, including:
   a. masthead electronic wind instruments.
   b. Thru hull transducers for measuring speed, depth and temp.
(4) Power source and switch board for optional electronics.
(5) Mooring lines, fenders, spare lines, spare equipment, tool kit, and other personal items that provide no sailing performance advantage.
(6) Bunk beds
(7) Portable toilet
C.5.3 NOT FOR USE

(A) MANDATORY

(1) One functioning outboard engine with a minimum weight of 15kg (empty of fuel).

C.6 BOAT
C.6.1 WEIGHT

<table>
<thead>
<tr>
<th>Description</th>
<th>Minimum</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>The weight of the boat in dry condition</td>
<td>1300 kg</td>
<td>kg</td>
</tr>
</tbody>
</table>

The weight shall be taken excluding

(a) Sails
(b) Engine
(c) Personal and portable equipment as listed in C.4/C.5

C.6.2 CORRECTOR WEIGHTS

(a) When the boat weight is less than the minimum requirement, corrector weights of metal with minimum density of 7.0 g/cm³ (i.e. iron, lead) shall be permanently fastened in accordance with Appendix H-2.

C.7 HULL
C.7.1 MODIFICATIONS, MAINTENANCE AND REPAIR

Any modifications or work intended for or with the effect of lightening the hull, improving the shape or otherwise improving performance beyond the original is not permitted. The following is permitted without the approval of the ICA. Unless stated otherwise items mentioned in this section may be obtained from any manufacturer or supplier

(a) Holes may be added in the hull for the fitting of through-hull electronic sensors. These through-hull transducers may be made flush with the local hull surface.
(b) Non-skid material of any kind may be added only to the cockpit floor and horizontal surfaces of the hull liner (below deck). Thickness shall not exceed 8mm.
(c) Gelcoat finish from 60mm above the waterline to include the bottom of the hull may be lightly sanded in preparation for the application of paint.
The addition of these materials is limited to 2 mm of thickness above the gelcoat surface.
(d) Polishing is permitted provided the intent and effect is not to change the shape of the hull.
(e) No portion(s) of the hull gelcoat surface shall be removed except for light abrading prior to painting. (See rule C.7.1 (b) rules A.9.1, B.1.1 and D).

C.7.2 FITTINGS

(a) The upper lifeline shall not deflect more than 50 mm and the lower lifeline 120 mm from a straight line between two points of support when a force of 2 kg is applied at the point of maximum deflection. Pads may be added to the safety lines.
(b) The rear gate line across the transom shall be closed while racing, and not deflect more than 50 mm when a force of 2 kg is applied at the point of maximum deflection.
(c) Cleat risers and fairleads may be added, removed or changed on all cleats.
(d) Placement of line bags and winch handle holders in the cockpit.
(e) Lashing, tape and other anti-chafe gear on hull, rig or sails.
(f) Installation of fore deck hatch
(g) Nonslip material on deck to promote safe movement.
(h) Installation of a below deck spinnaker bag of optional design through the main companionway or foredeck hatch.
(i) Replacement of the following items is permitted provided that the replacement part is of similar size, weight, and performs the same function.
   (1) Blocks, cleats, mainsheet swivel base.
   (2) Shackles, pins, open body turnbuckles.
   (3) Inspection hatches.
(j) Cleats maybe replaced by clutches.

C.8 HULL APPENDAGES

C.8.1 MODIFICATIONS, MAINTENANCE AND REPAIR
The following is permitted without the approval of the LM.
(a) The hull appendages may be lightly sanded for the purpose of applying paint.
(b) Routine maintenance of the hull appendages, such as polishing, is permitted provided the intent and effect is to polish only.
(c) Gelcoat scratches and minimal damaged areas may be repaired.
(d) Modification of the keel wedges is prohibited.
(e) The keel bulb is allowed to be faired to templates. Templates shall only be supplied by LM.
(f) The tiller extension may be replaced with a similar functioning item.

C.8.2 KEEL
(a) The keel shall be fixed in the down position.

C.9 RIG
C.9.1 MODIFICATIONS, MAINTENANCE AND REPAIR

The following is permitted without the approval of the ICA. Unless stated otherwise, items mentioned in this section may be obtained by any manufacturer or supplier.
(a) Routine maintenance such as cleaning, polishing, and repair of minor abrasions.
(b) A protective pad surrounding the mast under the gooseneck.
(c) Telltales, Windex, Running lights, VHF antenna, and wind indicators.
(d) Running rigging may be replaced by synthetic fibre line of any type but shall meet the minimum dimensions stated in F.8.4.
(e) Use of elastic chord to take up slack on the backstay bridle.
(f) An anti-chafe protective sleeve over the boom vang system.
(g) A batten not to exceed 150mm added to the end of the bowsprit as a preventer for the gennaker sheet.
(h) Tape or other materials added around the bowsprit to minimize water intrusion.
(i) A backstay flicker may be mounted on the mast.
(j) A fixed spanner may be attached between the upper and lower shroud pins above the turnbuckles to facilitate tuning the rig.
(k) Furling system might be used.

C.9.2 MAST
(a) The mast as supplied and assembled shall be stepped in accordance with the rigging instructions.
C.9.3  BOOM

(a) Dimension

<table>
<thead>
<tr>
<th></th>
<th>minimum</th>
<th>maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Limit mark width</td>
<td>20 mm</td>
<td></td>
</tr>
<tr>
<td>Outer point distance</td>
<td></td>
<td>3750 mm</td>
</tr>
</tbody>
</table>

(b) USE

(1) The intersection of the aft edge of the mast spar and the top of the boom spar, each extended as necessary, shall not be below the upper edge of the mast lower limit mark when the boom spar is at 90° to the mast spar.

C.9.4  BOWSPRIT

(a) DIMENSIONS

<table>
<thead>
<tr>
<th>Hull to bowsprit outer point</th>
<th>minimum</th>
<th>maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>mm</td>
<td>1750 mm</td>
</tr>
</tbody>
</table>

(b) USE

(1) The bowsprit shall be fully retracted at all times except when the gennaker is being set, is set, or is being retrieved, and shall be retracted at the first reasonable opportunity after the retrieval.

(2) An extended bowsprit shall not be considered part of the boat for the purposes of 1) establishing an overlap, or 2) establishing right of way, unless the gennaker is set.

C.9.5  STANDING RIGGING

(a) USE

(1) The forestay and shrouds shall not be adjusted whilst racing (adjustment of the backstay control line is permitted).

C.10  SAILS

C.10.1  MODIFICATIONS, MAINTENANCE AND REPAIR

(a) Routine maintenance, minor repairs and the addition of draft stripes and telltales is permitted.
(b) Sails may not be recertified during an event without the permission of the race committee.
(c) If a sail has been lost or damaged it may be repaired or replaced only with the approval of the race committee or jury.
(d) Battens may be used in batten pockets.

C.10.2 LIMITATIONS
(a) Not more than 1 mainsail, 1 headsail, and 1 gennaker shall be carried aboard.
(b) Not more than 1 mainsail, 1 headsail, and 1 gennaker shall be presented for event measurement and used during an event of 6 or less consecutive days except when a sail has been lost or damaged beyond repair.

C.10.3 MAINSAIL
(a) IDENTIFICATION
The national letters and sail numbers shall comply with the RRS except where prescribed otherwise in these class rules.
(b) USE
(1) The sail shall be hoisted on a halyard.
(2) The highest visible point of the sail, projected at 90° to the mast spar, shall not be set above the lower edge of the mast upper limit mark. The intersection of the leech and the top of the boom spar, each extended as necessary, shall not be behind the fore side of the boom outer limit mark.
(3) The Luff shall be in the spar groove or attached to a mainsail luff slide system.
(4) The tack of the mainsail may float.
(5) The clew shall be attached to the outhaul and down to the boom.

C.10.4 HEADSAIL
(a) USE
(1) The headsail shall be attached to the forestay with hanks or attached to roller furling system.

C.10.5 GENNAKER
(a) IDENTIFICATION
(1) Sail identification is not required on the gennaker.
(b) USE
(1) A gennaker retrieval line may be attached to the sail.
Section D – Hull

D.1 PARTS
(a) Hull shell
(b) Deck
(c) Internal mouldings and bulkheads
(d) Mast compression post
(f) Keel and companionway cover

D.2 GENERAL

D.2.1 RULES
(a) The hull shall comply with the class rules in force at the time of initial certification.

D.2.2 DEFINITIONS
(a) HULL DATUM POINT
The hull datum point is the intersection, on the centerplane of the hull, between the underside of the shell and the transom, each plane extended as necessary.

D.2.3 IDENTIFICATION
(a) Moulded-in hull identification number assigned by SHFE.

D.2.4 BUILDERS
(a) The hull shall be built by a builder licensed by SHFE.
(b) All moulds shall be approved by ISAF and SHFE

Section E – Hull Appendages

E.1 PARTS
E.1.1 MANDATORY
(a) Keel
(b) Rudder

E.2 GENERAL
E.2.1 RULES
(a) Hull appendages shall comply with the class rules in force at the time of certification.
E.2.2 MODIFICATIONS, MAINTENANCE AND REPAIR

The following alterations may be made by a LM, or by anybody after a formal request has been made to the LM and written approval is received by the owner. This shall require the manufacturer’s declaration to be re-issued.

(a) If any hull appendage is damaged and requires to be repaired in any other way than described in section C the details shall be recorded on the Manufacturer’s declaration.

E.2.3 MANUFACTURES

(a) The hull appendages and moulded tiller shall be made by manufacturers licensed by SHFE.

Section F – Rig

F.1 PARTS
F.1.1 MANDATORY
(a) Mast
(b) Boom
(c) Standing rigging
(d) Running rigging
(e) Bowsprit
F.1.2 OPTIONAL
(a) Furling system

F.2 GENERAL
F.2.1 MANUFACTURER
(a) Spars shall only be supplied by a licensed manufacturer and built in accordance with the manufacturing specification.
(b) The manufacturer of the standing and running rigging is optional.

F.2.2 RULES
(a) The spars and their fittings shall comply with the class rules in force at the time of manufacture of the spar except those rules in Section C where the current rules take precedence.
(b) The standing and running rigging shall comply with the class rules.
The following alterations may be made by a LM, or by anybody after a formal request has been made to the LM and written approval is received by the owner. This shall require the **manufacturer’s declaration** to be re-issued.

(a) If any **spar** is damaged and requires repair in any other way than described in section C the details shall be recorded on the **Manufacturer's declaration**.

### F.3 STANDING RIGGING

#### F.3.1 MATERIALS

(a) The forestay, upper shrouds and lower shrouds shall be with the dimensions according APPENDICES section H3. For the forestay, turnbuckle is optional.

(b) The backstay can be at least 4mm diameter of low-stretch composite rope (such as Dyneema).

### F.4 RUNNING RIGGING

#### F.4.1 MATERIALS

(a) Materials are optional.

#### F.4.2 DIMENSIONS

(a) Mandatory

No sheets, trim lines or running rigging may exceed 10mm.

Tapering of sheets, trim lines and running riggings is allowed.

<table>
<thead>
<tr>
<th>Rigging</th>
<th>Minimum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mainsheet Diameter</td>
<td>8mm</td>
</tr>
<tr>
<td>Headsail sheet Diameter</td>
<td>8mm</td>
</tr>
<tr>
<td>Gennaker Sheet Diameter</td>
<td>6mm</td>
</tr>
<tr>
<td>Main Halyard Diameter</td>
<td>8mm</td>
</tr>
<tr>
<td>Headsail Halyard Diameter</td>
<td>8mm</td>
</tr>
<tr>
<td>Gennaker Halyard Diameter</td>
<td>8mm</td>
</tr>
<tr>
<td>Gennaker Tack Line Diameter</td>
<td>8mm</td>
</tr>
<tr>
<td>Bowsprit Control Line Diameter</td>
<td>8mm</td>
</tr>
<tr>
<td>Main sail outhaul</td>
<td>8mm</td>
</tr>
<tr>
<td>Main sail reefing lines</td>
<td>8mm</td>
</tr>
<tr>
<td>Main sail Cunningham</td>
<td>5mm</td>
</tr>
<tr>
<td>Headsail Cunningham line</td>
<td>5mm</td>
</tr>
<tr>
<td>Headsail Barber haulers</td>
<td>5mm</td>
</tr>
<tr>
<td>Gennaker Barber haulers</td>
<td>5mm</td>
</tr>
</tbody>
</table>
Section G – Sails

G.1 PARTS
G.1.1 MANDATORY
(a) Mainsail
(b) Headsail
(c) Gennaker

G.2 GENERAL
G.2.1 RULES
(a) Sails shall comply with the class rules in force at the time of certification.

G.2.2 CERTIFICATION
(a) The official measurer shall certify mainsails and headsails in the tack and spinnakers in the head and shall sign and date the certification mark.
(b) The ISAF or an MNA may appoint one or more In-House Official Measurers to measure and certify sails produced by that manufacturer..

G.2.3 SAILMAKER
(a) No licence is required.
(b) For Gennakers the weight in g/m² of the body of the sail shall be indelibly marked near the head point by the sailmaker together with the date and his signature or stamp.

G.3 MAINSAIL
G.3.1 IDENTIFICATION
(a) The class insignia available from SHFE shall conform with the dimensions in Appendix H-1.

G.3.2 MATERIALS
(a) The ply fibres shall consist of any material except PBO.
(b) Stiffening shall consist of cornerboards and battens. Titanium is prohibited in the construction of cornerboards, battens or other fittings.
(c) Sail reinforcement shall consist of any material except PBO.
(d) Battens of any material.

G.3.3 CONSTRUCTION
(a) The construction shall be: soft sail; single ply or laminated ply sail.

(b) The sail shall be constructed with at least one serviceable set of reef points, meaning one point adjacent to the luff, one point adjacent to the leech and three corresponding points in the body of the sail. The lowest set of reef points shall be installed no closer than 1300 mm to the foot.

(c) The mainsail shall have five batten pockets in the leech. The top three
batten pockets shall be full length extending from luff to leech.

(d) The following are permitted: Stitching, glues, tapes, bolt ropes, corner eyes, headboard with fixings, Cunningham eye or pulley, batten pocket patches, batten pocket elastic, batten pocket end caps, mast and boom slides, adjustable foot and leech lines, two windows, tell tales, sail shape indicator stripes and items as permitted or prescribed by other applicable rules.

(e) The leech shall not extend aft of straight lines between:

(1) the aft head point and the intersection of the leech and the upper edge of the nearest batten pocket,

(2) the intersection of the leech and the lower edge of a batten pocket and the intersection of the leech and the upper edge of an adjacent batten pocket below,

(3) the clew point and the intersection of the leech and the lower edge of the nearest batten pocket.

G.3.4 DIMENSIONS

<table>
<thead>
<tr>
<th>Mainsail</th>
<th>minimum</th>
<th>maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leech length</td>
<td></td>
<td>11250mm</td>
</tr>
<tr>
<td>Top width</td>
<td>300mm</td>
<td></td>
</tr>
<tr>
<td>Mainsail upper leech point is defined as the point on the leech equidistant from the head point and the three quarter leech point.</td>
<td></td>
<td>1210mm</td>
</tr>
<tr>
<td>Three-quarter width</td>
<td>1850mm</td>
<td></td>
</tr>
<tr>
<td>Half width</td>
<td>2710mm</td>
<td></td>
</tr>
<tr>
<td>Quarter width</td>
<td>3320mm</td>
<td></td>
</tr>
<tr>
<td>Gaff batten located inside radius from head point</td>
<td></td>
<td>310mm</td>
</tr>
<tr>
<td>Center of #1 batten pocket at leech from head point</td>
<td>900mm</td>
<td>980mm</td>
</tr>
<tr>
<td>Center of #2 batten pocket at leech from head point</td>
<td>2130mm</td>
<td>2210mm</td>
</tr>
<tr>
<td>Center of #3 batten pocket at leech from head point</td>
<td>3930mm</td>
<td>4010mm</td>
</tr>
<tr>
<td>Inside batten pocket length - battens #4 and #5</td>
<td></td>
<td>1500mm</td>
</tr>
</tbody>
</table>

G.4 HEADSAIL

G.4.1 MATERIALS

(a) The ply fibres shall consist of any material except PBO.

(b) Stiffening shall consist of cornerboards and battens. Titanium is prohibited in the construction of cornerboards, battens or other fittings.

(c) Sail reinforcement shall consist of any material except PBO.

(d) Battens of any material.
G.4.2 CONSTRUCTION
(a) The construction shall be: **soft sail**.
(b) The headsail shall have maximum 4 **batten pockets** in the **leech**. Battens do not have to be removed for sail measurement purposes.
(c) The following are permitted: Stitching, glues, tapes corner eyes, clewboard, jib fasteners, batten pocket elastic, **batten pocket patches**. batten pocket end caps, leech line with cleat, windows, sailmaker label, tell tales.
(d) The **sail** may be constructed to allow reefing.
(e) The jib shall be attached to the headstay with fasteners, each not wider than 40 mm and not closer together than 550 mm, except within 150 mm from the centerline of a full batten pocket whereas the distance is free.
(f) For Furling head sails, luff rope is allowed.

G.4.3 DIMENSIONS

<table>
<thead>
<tr>
<th></th>
<th>Minimum</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Luff length</td>
<td></td>
<td>10400 mm</td>
</tr>
<tr>
<td>Leech length</td>
<td></td>
<td>9650 mm</td>
</tr>
<tr>
<td>Luff Perpendicular</td>
<td></td>
<td>3570 mm</td>
</tr>
<tr>
<td>Quarter width</td>
<td></td>
<td>2670 mm</td>
</tr>
<tr>
<td>Half width</td>
<td></td>
<td>1920 mm</td>
</tr>
<tr>
<td>Three Quarter width</td>
<td></td>
<td>1150 mm</td>
</tr>
<tr>
<td>Top width</td>
<td></td>
<td>100 mm</td>
</tr>
<tr>
<td>Head point to intersection of leech and Centerline of uppermost batten pocket</td>
<td>1930 mm</td>
<td></td>
</tr>
<tr>
<td>Head point to intersection of leech and Centerline of lowermost batten pocket</td>
<td>7700 mm</td>
<td></td>
</tr>
</tbody>
</table>

G.5 GENNAKER

G.5.1 MATERIALS
(a) The **ply** fibres shall be manufactured from woven nylon

G.5.2 CONSTRUCTION
(a) The construction shall be: **soft sail, single ply sail**.
(b) The **body of the sail** shall consist of the same **woven ply** throughout.
(c) The following are permitted: Stitching, glues, tapes, corner eyes, recovery line eyes, tell tales, windows, adjustable leech, luff and foot lines, and items as permitted or prescribed by other applicable **rules**.

G.5.3 DIMENSIONS

<table>
<thead>
<tr>
<th></th>
<th>Minimum</th>
<th>Maximum</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gennaker</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Material – nylon</td>
<td>40g/m2</td>
<td></td>
</tr>
<tr>
<td>------------------------</td>
<td>------------</td>
<td></td>
</tr>
<tr>
<td>Luff length</td>
<td>14200mm</td>
<td></td>
</tr>
<tr>
<td>Leech length</td>
<td>12000mm</td>
<td></td>
</tr>
<tr>
<td>Foot length</td>
<td>7600mm</td>
<td></td>
</tr>
<tr>
<td>Half width</td>
<td>7200mm</td>
<td></td>
</tr>
</tbody>
</table>
PART III – APPENDICES

The rules in Part III are closed class rules. Measurement shall be carried out in accordance with the ERS except where varied in this Part.

Section H

H.1 SAIL INSIGNIA

The FAREAST 28R Class insignia shall be in red with overall dimensions of 1500mm x 165mm, and shall be affixed on both sides of the FAREAST 28R Class mainsail with the bars nearly perpendicular to a line between the head and center of the boom and above the third batten pocket.

H.2 CORRECTOR WEIGHT LOCATION

Location: Behind the companion way and in the compartment below and under the cockpit.
H.3 RIG DESCRIPTION