2006

INTERNATIONAL MIRROR CLASS MEASUREMENT FORMS



INCLUDING THE MEASUREMENT CERTIFICATE

Authority: International Sailing Federation

Introduction

These measurement forms have been revised to reflect the introduction of the Bermuda mast option, to address some issues arising from the 2005 Worlds and as a step towards In-house certification.

How to obtain a measurement certificate

- 1 An official measurer shall carry out fundamental measurement.
- 2 The measurement forms, when completed, together with any registration fee that may be required, shall be sent to the owner's **certification authority**. The following forms are required;
 - i. Hull measurement form (this form)
 - ii. Daggerboard measurement form
- iii. Rudder measurement form
- iv. Either:

Bermuda mast measurement form

or

Gunter mast measurement form

Gaff measurement form

- v. Boom measurement form
- vi. Rigging and Spinnaker / Whisker pole measurement form
- 3. The owner's **certification authority** will sign and return this and the other forms, or retain them and issue a **certificate**.

Additional or replacement equipment

Owners who purchase or replace equipment (foils, spars, sails) are responsible for ensuring that it meets the class rules. Sails have to undergo **Fundamental Measurement** before they are used for racing. This is good practice for other items as well. The procedure is as follows;

- 1 An **Official Measurer** shall carry out **Fundamental Measurement** of each item using the appropriate form.
- 2. The owner should record any measurements for which they are responsible (if any) and sign the owner's declaration on the form. Owners are responsible for ensuring compliance when measurements or rules depend on other equipment or form part of the Racing Rules of Sailing (RRS). For example, the projection of the centreboard below the hull, national letters and sail numbers on sails, advertising rules.
- 3. The owner should retain the form. If the equipment is subsequently sold, the measurement form should be passed on to the new owner.

MEASURERS

- 1 Measurements shall be carried out in accordance with the Equipment Rules of Sailing (ERS) except where varied in the **class rules**.
- 2 If the **official measurer** has any doubt concerning the application of, or compliance of any part of the **boat** with, the **class rules** he shall report it on the measurement form(s) before sending them to the **certification authority** and not sign measurement form(s) or sails.
- 3 The **boat** shall comply with all the **class rules** even if some of the rules are not mentioned on the measurement form(s).

| ITEM | RULE NO | MEASUREMENT | MIN (MM) | ACTUAL (MM) | MAX (MM) |
|------|------------|---|--------------|----------------|--------------|
| | | HULL | | | |
| 1 | 1.1 | Do the hull materials comply with rule Part B – Measurement Rules 1.1? (For GRP hulls see below) | | Yes/No | |
| 2 | 1.4.4 | Distance around underside of hull from the Hull Datum Point to: Forward Measurement Point Aft end of Daggerboard case | 3078 1410 | | 3098 1450 |

ISAF Plaque Number:

| ITEM | RULE NO | MEASUREMENT | MIN (MM) | | TUAL MM) | MAX (MM) |
|------|------------|---|-------------|------|----------------|-------------|
| 3 | 1.4.1 | Distance from baseline to outside of hull shell, on centreline including keelband: Section 0 220 | | , | () | |
| | | Section 1 | 98 | | | 118 |
| | | Section 2 | 28 | | | 48 |
| | | Section 3 | 34 | | | 54 |
| | | Section 4 | 66 | | | 86 |
| | | Forward Measurement Point | | 2 | 50 | |
| | 1.4.11 | Is the slope of the aft edge of the Daggerboard case less than 1 in 20? | | Ye | s/No | |
| 4 | 1.4.2 | Does the transom comply with rule 1.4.2? | | Ye | s/No | |
| 5 | 1.4.3 | Width of outside of each bottom panel, from hull centreline to chine (A) at: Section 0 | 472 | Port | Star- board | 488 |
| | | Section 1 | 570 | | | 586 |
| | | Section 2 | 606 | | | 622 |
| | | Section 3 | 587 | | | 603 |
| | | Section 4 | 555 | | | 571 |
| 6 | 1.4.3 | Distance from horizontal line touching the keelband to chine (C) at: Section 0 | 52 | | | 68 |
| | | Section 1 | 60 | | | 80 |
| | | Section 2 | 110 | | | 130 |
| | | Section 3 | 193 | | | 213 |
| | | Section 4 | 230 | | | 250 |
| 7 | 1.4.3 | Distance from horizontal line to sheerline (D) at: Section 0 | 302 | | | 322 |
| | | Section 1 | 403 | | | 433 |
| | | Section 2 | 484 | | | 514 |
| | | Section 3 | 510 | | | 540 |
| | | Section 4 | 505 | | | 535 |
| 8 | 1.4.7 | Curvature of bottom panels at: | | Port | Star- | |
| | | Section 0 | 3 | | board | 9 |
| | | Section 1 | -3 | | | 3 |
| | | Section 2 | 3 | | | 13 |
| | | Section 3 | 3 | | | 13 |
| 9 | 1.4.8 | Are the radii of chines between sections 0 and 3 | | Ye | s/No | |
| | Ι | | | 1 | | 6.10 |

| ГЕМ | RULE NO | MEASUREMENT | MIN (MM) | | ГUAL ИМ) | MAX (MM |
|----------|------------|--|-------------|--------|----------------|------------|
| | | less than 10mm | | | | |
| 10 | 1.4.5 | Depth of bow transom | 510 | | | 530 |
| 11 | 1.4.6 | Beam of bow transom: 275 mm from Forward Measurement Point | 405 | | | |
| | | 475 mm from Forward Measurement Point | 550 | | | |
| 12 1.4.9 | | Bilge keels: Length over which cross section is not less than 9mm high and 13mm wide | 915 | Port | Star- board | |
| | | Distance from hull centreline to centreline of bilge keels at; Forward end | 375 | | | 435 |
| | | Aft end | 375 | | | 435 |
| | | Distance from aft transom to aft end of bilge keels | 730 | | | 790 |
| 13 | 1.1.10 | Overall length of skeg | 635 | | | |
| 14 | 1.4.10 | Depth of skeg (including keelband) 6mm from section 0 64 | | | | |
| | | 305mm from Section 0 | 51 | | | |
| | | 457mm from Section 0 | 32 | | | |
| 15 | 1.4.10 | Thickness of skeg at hull | 18 | | | |
| 16 | 1.4.10 | Length of hole in skeg | 132 | | | 15 |
| | | Height of hole in skeg | 18 | | | 28 |
| | | Fairing of hole in skeg | | | | 25 |
| | | Hull Datum Point to hole in skeg | 185 | | | 21 |
| | | Hull surface to hole in skeg | 10 | | | 20 |
| 17 | 1.4.11 | Length of Daggerboard slot in the underside of hull | 381 | | | 40 |
| 18 | 1.4.11 | Width of Daggerboard slot | | | | 19 |
| 19 | 1.4.11 | Depth of Daggerboard case | 283 | | | |
| 20 | 1.4.12 | Width of outer gunwales | 12 | | | 18 |
| | | Depth of outer gunwales | 25 | | | 31 |
| | | Is the radii of the outer gunwales 15mm or less? | | Ye | s/No | |
| 21 | 1.4.13 | Length of stem post | 200 | | | |
| | | Thickness of stem post | 15 | | | |
| 22 | 1.4.14 | Do the holes in the transom comply with rule 1.4.14? | | Yes/No | | |
| 23 | 1.4.15 | Does the hull shell comply with rule 1.4.15? | | Yes/No | | |
| 24 | 1.5.1 | Does the keelband comply with rule 1.5.1? | | Ye | s/No | |

| Internation | niai wiiiTOi i | iuli Measurement Form | | | 20 | <u> </u> |
|-------------|----------------|---|-------------|-------------|------|-------------|
| ITEM | RULE NO | MEASUREMENT | MIN (MM) | ACTU (MI | | MAX (MM) |
| 25 | 1.5.2 | Do the rudder fittings comply with rule 1.5.2? | | Yes/ | No | |
| 26 | 1.5.5 | Does the hull comply with rule 1.5.6? | | Yes/ | No | |
| | | INTERNAL MEASUREMENTS | | | | |
| 27 | 1.2 | Does the construction comply with rule 1.2? | | Yes/ | No | |
| 28 | 1.4.3 | Beam at sheerline (B) at: Section 0 | 1053 | | | 1073 |
| | | Section 1 | 1264 | | | 1304 |
| | | Section 2 | 1362 | | | 1402 |
| | | Section 3 | 1276 | | | 1316 |
| | | Section 4 | 1152 | | | 1192 |
| 29 | 1.6.1 | Length overall, excluding rudder fittings | 3285 | | | 3325 |
| 30 | 1.6.2 | Distance from forward face of the aft transom to forward face of aft bulkhead | 395 | | | 455 |
| 31 | 1.6.3 | Distance from forward face of aft transom to aft face of stowage compartment bulkhead | 2085 | | | 2115 |
| 32 | 1.6.4 | Distance from forward bulkhead to stowage compartment bulkhead | 300 | | | 340 |
| 33 | 1.6.13.1 | Gunter rigged boats - Forward face of aft transom to centre of aft mast step. Bermuda rigged boats – this measurement is not applicable (record N/A). | 2145 | | | 2175 |
| | | Thickness of aft mast step | | | | 12 |
| 34 | 1.6.14 | Aft face of aft transom to centre of shroud block | 1808 | | | 1838 |
| 35 | 1.7.1 | Do the shroud attachment fittings comply with rule 1.7.1? | | Yes/No | | |
| 36 | 1.6.5 | Distance between side tank panels at: Aft bulkhead | 735 | | | 765 |
| | | Stowage compartment bulkhead | 735 | | | 765 |
| 37 | 1.6.6 | Depth of side tanks at: Aft bulkhead | 200 | Port | Star | 230 |
| | | Stowage compartment bulkhead | 260 | | | 290 |
| 38 | 1.6.7 | Does the decking comply with rule 1.6.7? | | Yes/ | No | |
| 39 | 1.6.8 | Width of thwart | 142 | † | | |
| | | Thickness of thwart | 13 | | | 17 |
| | | Width of Daggerboard slot in thwart | | | | 19 |
| | | Transverse length of thwart | 805 | | | 835 |
| | | Distance from aft edge of thwart to forward face of aft transom | 1315 | | | 1365 |
| 40 | 1.6.9 | Do the inspection hatches comply with rule 1.6.9? | | Yes/ | No | |

| memano | mai wiinoi r | Iull Measurement Form | | 20 | 006 | | | |
|---|--------------|---|-------------|----------------|-------------|--|--|--|
| ITEM | RULE NO | MEASUREMENT | MIN (MM) | ACTUAL (MM) | MAX (MM) | | | |
| 41 | 1.6.10 | Do the drain holes comply with rule 1.6.10? | | Yes/No | | | | |
| 42 | 1.6.11 | Width of inner gunwales 17 | | | 23 | | | |
| | | Depth of inner gunwales | 25 | | 31 | | | |
| | | Is the radii of the outer gunwales 15mm or less? | | Yes/No | | | | |
| 43 | 1.6.12 | Do the floor battens comply with rule 1.6.12? | | Yes/No | | | | |
| 44 | 1.6.15 | Transom thickness | 22 | | 28 | | | |
| 45 | 1.6.16 | Does the interior comply with rule 1.6.16? | | Yes/No | | | | |
| 46 | 1.7.2 | Does the forestay attachment fitting comply with rule 1.7.2? | | Yes/No | | | | |
| 47 | 1.7.3 | Do the headsail sheet fairleads and mounting blocks comply with rule 1.7.3? | | Yes/No | | | | |
| 48 | 1.7.4 | Does the headsail tack attachment comply with rule 1.7.4? | | Yes/No | | | | |
| | | OFFICIAL MEASURER'S DECLARATION – H | ULL | | | | | |
| Comments: | | | | | | | | |
| | | Officially recognised by: | | | | | | |
| Signatur | re: | Date: | | | | | | |
| For GRP Hulls: I certify that I have taken the measurements recorded on this form and that, to the best of my knowledge, they conform to the Class rules of the International Mirror Class at present in force, subject to any comments on this form. Note: The Official Measurer need only take as many measurements as he feels necessary to satisfy himself that to the best of his knowledge the boat has been built in the approved moulds stated in the | | | | | | | | |
| builders declaration. Item numbers 3, 5 (section 2), 6 (section 2), 7 (section 2), 28 and 33 must be measured for all boats. Comments: | | | | | | | | |
| | | | | | | | | |
| Name: Officially recognised by: | | | | | | | | |
| Signatur | œ: <u>.</u> | Date: | | | | | | |

| BUOYANCY ENDORSEMENT | | | | | | |
|--|-------|--|--|--|--|--|
| This Hull complied with the buoyancy test conducted in accordance with the Class Rules : | | | | | | |
| Official Measurer's Signature: | Date: | | | | | |

| WEIGHT ENDORSEMENT | | | | | |
|---|-----------------------------|--------------|--|--|--|
| Hull Weight at Fundamental Measurement (Exc. Correctors) | Corrector Weight (3kg max) | Total Weight | | | |
| kg | kg | kg | | | |
| Official Measurer's Signature: Date: | | | | | |

| RE-WEIGHING ENDORSEMENT | | | | | | |
|-------------------------|--|----------------------------------|-----------------------------------|--------------------------------|--|--|
| Date | Hull Weight (Kg) (Inc. correctors) | Total Corrector Weight (3kg max) | Number of Corrector Weights | Signature of Official Measurer | Certification Authority Stamp and Date | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

On re-weighing this **Certificate** must be returned to the **Certification Authority** for re-validation by stamping.

LICENSED KIT MANUFACTURER'S DECLARATION

Note: Licensed Kit Manufacturer's must sign either Declaration A for kits, Declaration B for complete wooden boats, or Declaration C for GRP boats.

| A. Wooden Kit | | | | | | | | |
|---|--|--|--|--|--|--|--|--|
| I declare that this kit has been produced by our company in accordance with the ISAF Kit Specifications and Plans and that ISAF Plaque Number was supplied with the kit: | | | | | | | | |
| Company: | | | | | | | | |
| Signature: Date: | | | | | | | | |
| B. Complete Boat (complete wooden boats, not kits) | | | | | | | | |
| I declare that this boat has been built by our company in accordance with ISAF Specifications and Plans for Wooden Mirrors and is in compliance with the International Mirror Class Rules and that ISAF Plaque Number has been affixed to the transom: | | | | | | | | |
| Company: | | | | | | | | |
| Signature: Date: | | | | | | | | |
| C. GRP Boat (complete GRP, not kits) | | | | | | | | |
| I declare that this boat has been built by our company in accordance with ISAF Specifications for GRP Mirrors, in a mould approved by the ISAF and to the laminate schedule approved by the ISAF, and is in compliance with the International Mirror Class Rules and that ISAF Plaque Number | | | | | | | | |
| Company: | | | | | | | | |
| Signature: Date | | | | | | | | |
| PROFESSIONAL OR AMATEUR BUILDER'S DECLARATION | | | | | | | | |
| To be completed by the Professional or Amateur Builder of a wooden kit supplied by a Licensed Kit Manufacturer on completion of the kit. | | | | | | | | |
| I declare that this boat has been completed using only parts and materials supplied with the kit (except where otherwise permitted by the Class Rules) and in accordance with the Class Rules : | | | | | | | | |
| Builder: | | | | | | | | |
| Signature: Date: | | | | | | | | |

CHANGE OF OWNERSHIP

Note: Change of Ownership invalidates this **Certificate**. The new owner should sign the declaration below and send the **Certificate** to their **Certification Authority** for re-validation.

| SECOND OWNER'S DECLARATION |
|--|
| Second Owner's Name: |
| Second Owner's Address: |
| |
| To be signed by the Second Owner: I undertake to race this International Mirror only so long as I maintain it in conformity with the Class Rules. I also undertake that the Corrector Weights (if any) will not be altered or removed except when done in conjunction with an official re-weighing and that only sails, spars etc., which have undergone Fundamental Measurement and found to be in accordance with the <i>rules</i> , will be used. |
| Signature: Date: |
| This certificate is dated and its validity is confirmed by |
| for(Name of Certification Authority) |
| |
| Signature: Stamp of Certification Authority |
| |
| THIRD OWNER'S DECLARATION |
| Third Owner's Name: |
| Third Owner's Address: |
| |
| To be signed by the Third Owner: I undertake to race this International Mirror only so long as I maintain it in conformity with the Class Rules. I also undertake that the Corrector Weights (if any) will not be altered or removed except when done in conjunction with an official re-weighing and that only sails, spars etc., which have undergone Fundamental Measurement and found to be in accordance with the rules, will be used. |
| Signature: Date: |
| This certificate is dated |
| Signature: Stamp of Certification Authority |

ISAF Plaque Number:

| nternational Mirror Hull Measurement Form | 2006 |
|---|------------|
| OWNER'S DECLARATION | |
| To be signed by the First Owner: I undertake to race this International Mirror only so long as I maintain it in conformity with the C I also undertake that the Corrector Weights (if any) will not be altered or removed except who conjunction with an official re-weighing and that only sails, spars etc., which have undergone F Measurement and found to be in accordance with the <i>rules</i> , will be used. | en done in |
| Name: | |
| Address: | |
| | |
| | |
| Signature: Date: | |
| Certification Authority checklist | |
| Please ensure all required equipment forms have been submitted when you Certify the boat. | |
| Daggerboard measurement form \square , Rudder measurement form \square , Boom measurement for | m 🛮 , |
| Rigging and Spinnaker pole measurement form \square , | |
| Either Bermuda mast measurement form | |
| $\underline{	ext{or}}$ Gunter mast measurement form \square , Gaff measurement form \square . | |
| Subsequently, when equipment is replaced or added, these forms can be substituted by equipmeasurement forms signed by an Official Measurer . | nent |
| MEASUREMENT CERTIFICATE | |

| MEASUREMENT CERTIFICATE | | | | | | |
|---|-------------------|---|--|--|--|--|
| To be completed by the Certification Auth | nority: | | | | | |
| National Letters: Sail Nu | mber: | ISAF Plaque Number: | | | | |
| Builder: | | | | | | |
| Number of Hull Corrector Weights : (See Re-weighing Endorsement) | Total of C | orrector Weights:kg | | | | |
| This Certificate is dated | | and its validity is confirmed | | | | |
| by(Block Capitals) | . for | (Name of Certification Authority) | | | | |
| | | | | | | |
| Signature: | | Stamp of Certification Authority | | | | |

Effective: 1st August 2006

Previous Issue: 20th August 2002

ISAF Plaque Number:

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INTERNATIONAL MIRROR DAGGERBOARD MEASUREMENT FORM

In order to link this measurement form to the physical **Daggerboard**, it is necessary for the **Daggerboard** to carry a unique identification string or serial number. This can be one assigned by the manufacturer, or the **Official Measurer**. It is suggested that **Official Measurers** adopt the following format for identification strings.

CCC/NNN/DD/MM/YYYY-n where:

CCC are the national letters denoting the **Official Measurer's** ISAF Member National Authority (e.g. AUS, RSA, SWE,...)

NNN are the Official Measurer's initials.

DD/MM/YYYY is the date when the **Daggerboard** underwent **Fundamental Measurement**.

n is a serial number used where more than one **Daggerboard** undergoes **Fundamental Measurement** in a day.

| Daggerboard Manufacturer |
|--|
| Daggerboard serial number or identification string |

On completion of **Fundamental Measurement** the **Official Measurer**, if satisfied that the **Daggerboard** complies with the current **Class Rules**, should sign and date the **Daggerboard** at the top.

| ITEM | RULE NO | MEASUREMENT | MIN (MM) | ACTUAL (MM) | MAX (MM) |
|------|------------|---|-------------|----------------|-------------|
| 1 | 2.1 | Does the Daggerboard comply with rule 2.1? | | Yes/No | |
| 2 | 2.2 | Width of Daggerboard : At top | 260 | | 320 |
| | | Below cut off corner | 356 | | 380 |
| 3 | 2.2 | Are the radii of bottom corners between 30 and 50 | | Yes/No | |
| 4 | 2.2 | Thickness of Daggerboard | | | 14 |
| 5 | 2.2 | Width of fairing from any edge | | | 50 |
| 6 | 2.2 | Depth of cut off | | | 165 |

OFFICIAL MEASURER'S DECLARATION - Daggerboard

To be signed by the Official Measurer(s):

I certify that I have taken the measurements on this form for the **Daggerboard** and that, to the best of my knowledge, they conform to the **Class Rules** of the International Mirror Class at present in force, subject to any comments on this form.

Comments:

| Name: | Officially recognised by: | |
|------------|-------------------------------|--|
| Signature: | Date: | |

This section covers **Daggerboard** measurements which depend on the **Hull**. As such it is the responsibility of

the owner to ensure compliance with the Class Rules for the identified Hull.

ISAF Plaque No:

| ITEM | RULE NO | DAGGERBOARD MEASUREMENTS | MIN (MM) | ACTUAL (MM) | MAX (MM) |
|------|------------|--|-------------|----------------|-------------|
| 1 | 1.4.11 | Projection of Daggerboard when fully down | | | 610 |

OWNER'S DECLARATION

| _ | | | | | 4.1 | \sim | |
|----------|----|------|-----|--------------|------|--------|-----|
| $1 \cap$ | hΔ | CIAI | אמו | hw. | tha | Owr | ۱Dr |
| 10 | ne | SIUI | ıcu | \mathbf{D} | เมเซ | | 101 |

I acknowledge that I am responsible for ensuring that this **Daggerboard** complies with the requirements of the **Class Rules**. I have checked the items identified above as my responsibility and I undertake to maintain it in conformity with the **Class Rules**.

| Name: | |
|------------|-----------|
| Address: | |
| | |
| | |
| Signature: | Date: |

INTERNATIONAL MIRROR RUDDER MEASUREMENT FORM

In order to link this measurement form to the physical **Rudder**, it is necessary for the **Rudder** to carry a unique identification string or serial number. This can be one assigned by the manufacturer, or the **Official Measurer**. It is suggested that **Official Measurers** adopt the following format for identification strings.

CCC/NNN/DD/MM/YYYY-n where:

CCC are the national letters denoting the **Official Measurer**'s ISAF Member National Authority (e.g. AUS, RSA, SWE,...)

NNN are the Official Measurer's initials.

| D | ገለበ | // / | / Y | YΥ | ' is | the | date | wher | 1 the | Rude | ler ' | underwent | Fund | dament | al | Measurement |
|---|-----|-------------|------------|----|------|-----|------|------|-------|------|-------|-----------|------|--------|----|-------------|
| | | | | | | | | | | | | | | | | |

| : | | | | | 41 | Decalation | | C | 14 | | |
|----|------------|----------|--------|-----------|----------|--------------------|-------------|--------------------|-----------|------------------------|-----|
| nι | s a seriai | i number | usea w | mere more | i than o | ne Ku aae i | · underdoes | Fundamental | weasureme | a nt in a e | กลง |
| | o a cona | | 4004 W | | a c | IIIO I LUGUUOI | anacigodo | . allaalliolitai | acai oiii | /!!! !!!! !! !! | au |

| Rudder Manufacturer | |
|---|--|
| Rudder serial number or identification string | |

On completion of **Fundamental Measurement** the **Official Measurer**, if satisfied that the **Daggerboard** complies with the current **Class Rules**, should sign and date the **Rudder** on the blade.

| ITEM | RULE NO | MEASUREMENT | MIN (MM) | ACTUAL (MM) | MAX (MM) |
|------|------------|--|-------------|----------------|-------------|
| 1 | 3.1 | Does the rudder comply with rule 3.1? | | Yes/No | |
| 2 | 3.2 | Distance from centre of pivot: Aft corner of rudder blade | 545 | | 575 |
| | | Lower edge of rudder blade measured parallel to leading edge | 495 | | 525 |
| | | Underside of tiller measured parallel to leading edge of rudder stock | 204 | | 228 |
| 3 | 3.2 | Width of rudder blade | 265 | | 295 |
| 4 | 3.2 | Thickness of rudder blade | | | 14 |
| 5 | 3.2 | Width of fairing from any edge | | | 25 |
| 6 | 3.2 | Are the radii of bottom corners less than 50mm | _ | Yes/No | _ |

OFFICIAL MEASURER'S DECLARATION – Rudder

To be signed by the **Official Measurer**:

I certify that I have taken the measurements on this form for the **Rudder** and that, to the best of my knowledge, they conform to the **Class Rules** of the International Mirror Class at present in force, subject to any comments on this form.

| C- | | | | |
|----|---|---|---|------|
| Cυ | Ш | ш | ы | nts: |

| Name: | Officially recognised by: |
|-----------|-------------------------------|
| Signature | Date: |

INTERNATIONAL MIRROR GUNTER MAST MEASUREMENT FORM

In order to link this measurement form to the physical Gunter Mast, it is necessary for the Gunter Mast to carry a unique identification string or serial number. This can be one assigned by the manufacturer, or the Official Measurer. It is suggested that Official Measurers adopt the following format for identification strings.

CCC/NNN/DD/MM/YYYY-n where:

CCC are the national letters denoting the Official Measurer's ISAF Member National Authority (e.g. AUS, RSA, SWE,...)

NNN are the Official Measurer's initials.

DD/MM/YYYY is the date when the Gunter **Mast** underwent **Fundamental Measurement**.

n is a serial number used where more than one Gunter Mast undergoes Fundamental Measurement in a day.

| Gunter Mast Manufacturer |
|---|
| Gunter Mast serial number or identification string |

On completion of Fundamental Measurement the Official measurer, if satisfied that the Gunter Mast complies with the current Class Rules, should sign and date the Gunter Mast near the Heel Point.

| ITEM | RULE NO | MEASUREMENT | MIN (MM) | ACTUAL (MM) | MAX (MM) |
|------|------------|---|-------------|----------------|-------------|
| 1 | 5.1.1 | Overall length of mast | | | 3296 |
| 2 | 5.1.5 | Base of mast to main halyard sheave bearing surface | | | 3200 |
| | | Does the main halyard sheave comply with rule 5.1.5? | | Yes/No | |
| 3 | 5.1.7 | Weight of mast | 2.7kg | | |
| 4 | 5.1.8 | Does the mast comply with rule 5.1.8? | | Yes/No | |
| | 5.1.9 | Does the position of the peg on the mast comply with rule 5.1.9? | | Yes/No | |
| | 5.1.10 | Does the mast comply with rule 5.1.10? | | | |
| 5 | 5.1.2 | Does the mast comply with rule 5.1.2? | | Yes/No | |
| 6 | 5.1.3 | Does the mast comply with rule 5.1.3? | | Yes/No | |
| 7 | 5.1.4 | Diameter of wood mast | 44 | | 56 |
| | | Diameter of aluminium mast | 47 | | 53 |

MEASURER'S DECLARATION - Gunter Mast

To be signed by the **Official Measurer**:

I certify that I have taken the measurements on this form for the Gunter **Mast** and that, to the best of my knowledge, they conform to the Class Rules of the International Mirror Class at present in force, subject to

| any comments on this form. | e international wintor class at present in force, subject to |
|----------------------------|--|
| Comments: | |
| Name: | Officially recognised by: |
| Signature: | Date: |
| | |

| responsit | responsibility of the owner to ensure compliance with the Class Rules for the identified Hull and Boom . | | | | | |
|---------------------|---|--|-------------|----------------|-------------|--|
| ISAF Pla | que No: | | | | | |
| Boom se | erial number | or identification string | | | | |
| ITEM | RULE NO | GUNTER MAST MEASUREMENTS | MIN (MM) | ACTUAL (MM) | MAX (MM) | |
| 2 | 5.1.6 | Base of mast to top of boom | 659 | | 679 | |
| 3 | 3 5.1.9 Does the movement of the mast peg in the mast step comply with rule 5.1.9? | | | | | |
| OWNER'S DECLARATION | | | | | | |
| To be si | igned by the | Owner: | | | | |
| the Clas | ss Rules. I h | am responsible for ensuring that this Gunter Mast compave checked the items identified above as my responsimity with the Class Rules . | • | • | its of | |
| Name: | | | | | | |
| Address | 3: | | | | | |
| | | | | | | |

This section covers Gunter Mast measurements which depend on the Hull and the Boom. As such it is the

Signature:

INTERNATIONAL MIRROR GAFF MEASUREMENT FORM

In order to link this measurement form to the physical Gaff, it is necessary for the Gaff to carry a unique identification string or serial number. This can be one assigned by the manufacturer, or **the Official Measurer**. It is suggested that **Official Measurers** adopt the following format for identification strings.

CCC/NNN/DD/MM/YYYY-n where:

CCC are the national letters denoting the **Official Measurer**'s ISAF Member National Authority (e.g. AUS, RSA, SWE,...)

NNN are the Official Measurer's initials.

| DD/MM/YYYY is the date when the Gaff underwent Fundamental Measurement. |
|---|
| n is a serial number used where more than one Gaff undergoes Fundamental Measurement in a day. |
| Gaff Manufacturer |
| Gaff serial number or identification string |

On completion of **Fundamental Measurement** the **Official Measurer**, if satisfied that the Gaff complies with the current **Class Rules**, should sign and date the Gaff on one side just above the jaws.

| ITEM | RULE NO | MEASUREMENT | MIN (MM) | ACTUAL (MM) | MAX (MM) |
|------|------------|--|-------------|----------------|-------------|
| 1 | 5.3.1 | Length of gaff measured along the slot | | | 2809 |
| 2 | 5.3.2 | Does the gaff comply with rule 5.3.2? | | Yes/No | |
| 3 | 5.3.3 | Periphery of gaff: At peak | 102 | | |
| | | At gaff band | 146 | | |
| | | 204mm from lower end | 127 | | |
| | | Fore and aft dimension | | | 45 |
| 4 | 5.3.4 | Does the gaff comply with rule 5.3.4? | | Yes/No | |
| 5 | 5.3.5 | Does the painted band comply with rule 5.3.5? | | Yes/No | |
| 6 | 5.3.6 | Top of gaff to lower edge of either the gaff band or pin | | | 1733 |

MEASURER'S DECLARATION – Gaff

To be signed by the **Official Measurer**:

I certify that I have taken the measurements on this form for the Gaff and that, to the best of my knowledge, they conform to the **Class Rules** of the International Mirror Class at present in force, subject to any comments on this form.

| \sim | _ | | | | |
|--------|---|---|---|-----|------|
| (,) | O | m | m | ıer | nts: |

| Name: | Officially recognised by: | |
|------------|---------------------------|--|
| Signature: | Date: | |
| | | |

INTERNATIONAL MIRROR BOOM MEASUREMENT FORM

In order to link this measurement form to the physical **Boom**, it is necessary for the **Boom** to carry a unique identification string or serial number. This can be one assigned by the manufacturer, or the Official Measurer. It is suggested that Official Measurers adopt the following format for identification strings.

CCC/NNN/DD/MM/YYYY-n where:

CCC are the national letters denoting the **Official Measurer**'s ISAF Member National Authority (e.g. AUS, RSA, SWE,...)

NNN are the Official Measurer's initials.

| | DD/MM/YYYY is the date w | hen the Boom unde | erwent Fundamental Measuremen t |
|--|--------------------------|--------------------------|--|
|--|--------------------------|--------------------------|--|

n is a serial number used where more than one **Boom** undergoes **Fundamental Measurement** in a day.

| Boom Manufacturer | |
|---|--|
| Boom serial number or identification string | |

On completion of Fundamental Measurement the Official Measurer, if satisfied that the Boom complies with the current Class Rules, should sign and date the Boom at the inner end.

| ITEM | RULE NO | MEASUREMENT | MIN (MM) | ACTUAL (MM) | MAX (MM) |
|------|------------|---|-------------|----------------|-------------|
| 1 | 5.2.1 | Overall length of the boom excluding fittings | 2235 | | 2285 |
| 2 | 5.2.4 | Distance from inner end of boom to kicking strap Rigging Point with the kicking strap held at 90 degrees to the spar . | 483 | | |
| 3 | 5.2.2 | Does the boom comply with rule 5.2.2? | | Yes/No | |
| 4 | 5.2.3 | Width of wooden boom | 37 | | 43 |
| | | Depth of wooden boom | 37 | | 43 |
| | | Alloy boom spar cross section vertical | | | 51 |
| | | Alloy boom spar cross section transverse | | | 51 |
| 5 | 5.2.5 | Does the boom comply with rule 5.2.5 and 5.2.6? | | Yes/No | |

MEASURER'S DECLARATION – Boom

To be signed by the **Official Measurer**:

I certify that I have taken the measurements on this form for the **Boom** and that, to the best of my

| knowledge, they conform to the Class Rules of the any comments on this form. | e International Mirror Class at present in force, subject to |
|---|--|
| Comments: | |
| | |
| | |
| | |
| Name: | Officially recognised by: |
| Signature: | Date: |

INTERNATIONAL MIRROR BERMUDA MAST MEASUREMENT FORM

In order to link this measurement form to the physical Bermuda **Mast**, it is necessary for the Bermuda **Mast** to carry a unique identification string or serial number. This can be one assigned by the manufacturer, or the **Official Measurer**. It is suggested that **Official Measurers** adopt the following format for identification strings.

CCC/NNN/DD/MM/YYYY-n where;

CCC are the national letters denoting the **Official Measurer**'s ISAF Member National Authority (e.g. AUS, RSA, SWE,...)

NNN are the Official Measurer's initials.

DD/MM/YYYY is the date when the Bermuda Mast underwent Fundamental Measurement.

n is a serial number used where more than one Bermuda **Mast** undergoes **Fundamental Measurement** in a day.

| Bermuda Mast Manufacturer |
|--|
| Bermuda Mast serial number or identification string |

On completion of **Fundamental Measurement** the **Official Measurer**, if satisfied that the **Mast** complies with the current **Class Rules**, should sign and date the **Mast** near the **Heel Point**.

| ITEM | RULE NO | MEASUREMENT | MIN (MM) | ACTUAL (MM) | MAX (MM) |
|------|---------------|--|-------------|----------------|-------------|
| 1 | 5.5.16 | Does the mast comply with rule 5.5.16? | | Yes/No | |
| 2 | 5.5.17 | Does the mast comply with rule 5.5.17? | | Yes/No | |
| 3 | 5.5.19 (a) | Does the mast have the following fittings; | | | |
| | (1) | Shroud and forestay tangs, eyes, or hook terminal backing plates. | | Yes/No | |
| | (2) | Mainsail halyard sheave box, eye or a mast head fitting incorporating a sheave. | | Yes/No | |
| | (3) | Gooseneck. | | Yes/No | |
| | (4) | Heel fitting, which may incorporate sheaves for halyards and control lines. | | Yes/No | |
| | (5) | Main halyard cleat, hook or tooth rack. | | Yes/No | |
| | (6) | Jib halyard cleat, hook or tooth rack. | | Yes/No | |
| 4 | 5.5.19 (b) | Does the mast comply with rule 5.5.19 (b)? (i.e. fittings in addition to 5.5.19 (a) must be in 5.5.19 (b)) | | Yes/No | |
| 5 | 5.5.20 | Does the mast comply with rule 5.5.20 | | Yes/No | |
| 6 | 5.5.21 | Mast heel tenon shoulder height | 8 | | 12 |
| | | Lower limit mark width | 10 | | |
| | | Lower point height | 659 | | |
| | | Spinnaker pole fitting projection | | | 35 |
| | | Mast spar cross section 1700mm above the mast datum point | | | |
| | | fore-and-aft | 47 | | 70 |
| | | transverse | 47 | | 70 |

| ITEM | RULE NO | MEASUREMENT | MIN (MM) | ACTUAL (MM) | MAX (MM) |
|------|------------|---|-------------|----------------|-------------|
| | | Forestay height | 3173 | | 3193 |
| | | Shroud height | 3173 | | 3193 |
| | | Mast taper point height | 3193 | | |
| | | Spinnaker hoist height | | | 3283 |
| | | Spinnaker hoist fitting projection | | | 90 |
| | | Upper limit mark width | 10 | | |
| | | Upper point height | | | 4857 |
| | | Mast spar cross section 4857mm above the mast datum point | | | |
| | | fore-and-aft | 25 | | 70 |
| | | transverse | 25 | | 70 |
| | | Mast spar curvature | | | 30 |
| 7 | 5.5.22 | Spar weight | 3.7kg | | |
| 8 | | Does the mast have a join? (a join is optional) | | Yes/No | |

Dimensions applying to Bermuda masts with joins only;

| 9 | 5.5.18 | Does the spar comply with rule 5.5.18? | | Yes/No | |
|----|--------|---|------|--------|------|
| 10 | 5.5.21 | Mast join lower point height | 2893 | | |
| | | Mast join upper point height | | | 3493 |
| | | Mast join reinforcement length | | | 650 |

MEASURER'S DECLARATION – Bermuda Mast

To be signed by the **Official Measurer**:

I certify that I have taken the measurements on this form for the Bermuda **Mast** and that, to the best of my knowledge, they conform to the **Class Rules** of the International Mirror Class at present in force, subject to any comments on this form.

| \sim | ٠. | ~ | m | _ | ~4 | _ | |
|--------|----|---|---|---|----|---|--|
| | | | | | | | |

| Name: | Officially recognised by: | |
|------------|-------------------------------|---|
| Signature: | Date: | _ |

| | | ermuda Mast measurements which depend on the Hul wner to ensure compliance with the Class Rules for the | | | |
|----------------|---------------|---|-------------|----------------|-------------|
| ISAF Plac | que No: | | | | |
| Boom se | erial number | or identification string | | | |
| ITEM | RULE NO | BERMUDA MAST MEASUREMENTS | MIN (MM) | ACTUAL (MM) | MAX (MM) |
| 11 | ERS B.7.1 | Does the Boom comply with ERS B.7.1? (top edge of boom above top edge of lower limit mark) | | Yes/No | |
| 12 | 5.5.21 | Does the spar comply with rule 5.5.21? | | Yes/No | |
| 13 | 1.6.13.2 | Forward face of aft transom to intersection of fore face of spar mast and surface of foredeck butt strap. | 2145 | | 2175 |
| | | OWNER'S DECLARATION | | | |
| To be si | gned by the | Owner: | | | |
| the Clas | ss Rules. I h | am responsible for ensuring that this Bermuda Mast co have checked the items identified above as my responsi- mity with the Class Rules . | • | • | nents of |
| Name: | | | | | |
| Address: | | | | | |
| | | | | | |

Signature:

INTERNATIONAL MIRROR RIGGING AND SPINNAKER / WHISKER POLE **MEASUREMENT FORM**

In order to link this measurement form to the physical Spinnaker / Whisker Pole, it is necessary for the Spinnaker / Whisker Pole to carry a unique identification string or serial number. This can be one assigned by the manufacturer, or the Official Measurer. It is suggested that Official Measurers adopt the following format for identification strings.

CCC/NNN/DD/MM/YYYY-n where;

CCC are the national letters denoting the **Official Measurer**'s ISAF Member National Authority.

NNN are the Official Measurer's initials.

DD/MM/YYYY is the date when the **Spinnaker / Whisker Pole** underwent **Fundamental Measurement**.

n is a serial number used where more than one Spinnaker / Whisker Pole undergoes Fundamental

| Measurement in a day. |
|---|
| · |
| Spinnaker / Whisker Pole Manufacturer |
| Spinnaker / Whisker Pole serial number or identification string |
| On completion of Fundamental Measurement the Official Measurer, if satisfied that the spinnaker / whisk |

er pole complies with the current Class Rules, should sign and date the pole near the centre.

| ITEM | RULE NO | RIGGING MEASUREMENT | MIN (MM) | ACTUAL (MM) | MAX (MM) |
|--------------|------------|---|-------------|----------------|-------------|
| 1 | 6.1.1 | Does the rigging comply with rule 6.1.1? | | Yes/No | |
| 2 | 6.1.2 | Does the rigging comply with rule 6.1.2? | | Yes/No | |
| 3 | 6.1.3 | Does the forestay comply with rule 6.1.3? | | Yes/No | |
| 4 | 6.1.4 | Do the shrouds comply with rule 6.1.4? | | Yes/No | |
| 5 | 6.2.1 | Does the running rigging comply with rule 6.2.1? | | Yes/No | |
| PROHIBITIONS | | | | | |
| 6 | 9.1 | Does the boat comply with rule 9.1? | | Yes/No | |
| 7 | 9.2 | Does the boat comply with rule 9.2? | | Yes/No | |
| 8 | | Does the boat have a Spinnaker/Whisker Pole ? (Spinnaker/Whisker Poles are <u>optional</u>) | | Yes/No | |
| ITEM | RULE NO | SPINNAKER/WHISKER POLE MEASUREMENT (Spinnaker/Whisker poles are optional) | MIN (MM) | ACTUAL (MM) | MAX (MM) |
| 9 | 5.4.1 | Overall length of spinnaker pole or jib stick | | | 1524 |
| 10 | 5.4.2 | Do the spinnaker pole and jib stick comply with rule 5.4.2? | | Yes/No | |

MEASURER'S DECLARATION – Rigging and Spinnaker / Whisker Pole

To be signed by the **Official Measurer**:

I certify that I have taken the measurements on this form for the Rigging and Spinnaker / Whisker Pole and that, to the best of my knowledge, they conform to the Class Rules of the International Mirror Class at present in force, subject to any comments on this form.

| C | n | m | m | e | nt | S |
|--------|---|---|---|---|----|----|
| \sim | v | | | · | | υ. |

| Name: | Officially recognised by: |
|------------|-------------------------------|
| Signature: | Date: |

INTERNATIONAL MIRROR MAINSAIL MEASUREMENT FORM

In order to link this measurement form to the physical Mainsail, it is necessary for the Mainsail to carry a unique identification string or serial number. This can be one assigned by the manufacturer, or the **Official Measurer**. It is suggested that **Official Measurers** adopt the following format for identification strings.

CCC/NNN/DD/MM/YYYY-n where:

CCC are the national letters denoting the **Official Measurer**'s ISAF Member National Authority (e.g. AUS, RSA, SWE,...)

NNN are the Official Measurer's initials.

DD/MM/YYYY is the date when the Mainsail underwent fundamental measurement.

n is a serial number used where more than one Mainsail undergoes Fundamental Measurement in a day.

| Mainsail Sailmaker | |
|--------------------|--|
| | |

Mainsail serial number or identification string

On completion of **Fundamental Measurement** the **Official Measurer**, if satisfied that the sail complies with the current **Class Rules**, should sign and date the sail at the **Tack**. Note that national letters, sail numbers and advertising do <u>not</u> form part of **Fundamental Measurement**. It is the responsibility of the owner to ensure compliance with these sections of the RRS.

| ITEM | RULE NO | MEASUREMENT | MIN (MM) | ACTUAL (MM) | MAX (MM) |
|------|------------|--|-------------|----------------|-------------|
| 1 | 7.1.3 | Do the seams comply with rule 7.1.3? | | Yes/No | |
| 2 | 7.2.1.1 | Does the sail comply with rule 7.2.1.1? | | Yes/No | |
| 3 | 7.2.1.2 | Does the sail comply with rule 7.2.1.2? | | Yes/No | |
| 4 | 7.2.1.3 | Does the sail comply with rule 7.2.1.3? | | Yes/No | |
| 5 | 7.2.1.4 | Are the centrelines of the batten pockets within 50mm of the quarter, half and three quarter points on the leech ? | | Yes/No | |
| 6 | 7.2.1.5 | Length of bolt rope from the head along the luff | 2810 | | |
| 7 | 7.2.1.6 | Does the sail comply with rule 7.2.1.6? | | Yes/No | |
| 8 | 7.2.1.7 | Is the foot convex | | Yes/No | |
| 9 | 7.2.1.9 | Number of lacing eyes below the LMP | 0 | | 6 |
| 10 | 7.2.2 | Leech length | | | 4520 |
| | | Head Width | | | 55 |
| | | Luff length | | | 4052 |
| | | Foot length | | | 2135 |
| | | Foot median | | | 4340 |
| | | Half leech point to LMP | | | 1650 |
| | | The diagonal taken from LMP to the clew point | | | 2530 |
| | | Upper width at 1067mm down leech from head point | | | 725 |
| | | Primary reinforcement from corner measurement points | | | 271 |

| | | | | | 2000 |
|------|------------|--|-------------|----------------|-------------|
| ITEM | RULE NO | MEASUREMENT | MIN (MM) | ACTUAL (MM) | MAX (MM) |
| | | Secondary reinforcement from corner measurement points | | | 813 |
| | | Flutter patches | | | 100 |
| | | Chafing patches | | | 750 |
| | | Batten pocket patches | | | 150 |
| | | Uppermost Batten Pocket Length - Inside | | | 560 |
| | | Uppermost Batten Pocket Width - Inside | 32 | | 60 |
| | | Middle Batten Pocket Length - Inside | | | 660 |
| | | Middle Batten Pocket Width - Inside | 32 | | 60 |
| | | Lowermost Batten Pocket Length - Inside | | | 660 |
| | | Lowermost Batten Pocket Width - Inside | 32 | | 60 |
| 11 | 7.6.4 | Does the Mainsail comply with 7.6.4? | | Yes/No | |
| 12 | 7.6.5 | Does the Mainsail comply with rule 7.6.5? | | Yes/No | |
| 13 | 7.5.2 | Does the Insignia comply with rule 7.5.2? | | Yes/No | |
| 14 | 7.5.4 | Does the Insignia comply with rule 7.5.4? | | Yes/No | |

MEASURER'S DECLARATION - Mainsail

To be signed by the Official Measurer:

I certify that I have taken the measurements on this form above this box for the Mainsail identified and that, to the best of my knowledge, they conform to the **Class Rules** of the International Mirror Class at present in force, subject to any comments on this form.

| Comments: | С | O | m | m | er | nts | : |
|-----------|---|---|---|---|----|-----|---|
|-----------|---|---|---|---|----|-----|---|

| Name: | Officially recognised by: |
|------------|-------------------------------|
| Signature: | Date: |

It is the responsibility of the <u>owner</u> under the Racing Rules of Sailing (RRS) to ensure the sail complies with the items in the checklist below.

| ITEM | RULE NO | MEASUREMENT | MIN (MM) | ACTUAL (MM) | MAX (MM) |
|------|----------------|--|-------------|----------------|-------------|
| 1 | RRS G1.2(a) | Do the sail numbers and national letters comply with RRS G1.2 (a) (legible capitals and Arabic numerals)? | | Yes/No | |
| 2 | RRS G1.2(b) | Does the size of the sail numbers and national letters comply with RRS G1.2 (b)? | 230 | Yes/No | |
| 3 | RRS G1.2(b) | Does the spacing between the sail numbers, national letters and the edge of the sail comply with RRS G1.2 (b)? | 45 | Yes/No | |

2006

| | | | | | 2000 |
|------|-----------------------------|--|-------------|----------------|--------------|
| ITEM | RULE NO | MEASUREMENT | MIN (MM) | ACTUAL (MM) | MAX (MM) |
| 4 | RRS G1.3(a) | Do the position of the Insignia, national letters and sail numbers comply with RRS G1.3 (a) (where possible within 2712mm of head point , if at different heights, starboard side uppermost)? | | Yes/No | 2712 |
| 5 | RRS G1.3(b) | Do the position of the Insignia and national letters comply with RRS G1.3 (b) (Insignia above national letters)? | | Yes/No | |
| 6 | RRS G1.3(c) | Do the position of the national letters and sail numbers comply with RRS G1.3 (c) (national letters above sail number)? | | Yes/No | |
| 7 | RRS G1.1(c) & 7.5.3 | Does the sail number comply with rule RRS G1.1(c) and Class rule 7.5.3 (full boat/plaque number) ? | | Yes/No | |
| 8 | 7.5.4 | Do the sail numbers and national letters comply with rule 7.5.4 (black) ? | | Yes/No | |
| 9 | ISAF Reg 20.3 (b) (i) | Does the size of the sailmaker's marks comply with ISAF Regulation 20.3 (b) (i) (one mark on each side each fitting within a 150mm X 150mm square)? | | Yes/No | 150 X 150 |
| 10 | ISAF Reg 20.3 (b) (i) | Does the position of the sailmaker's marks comply with ISAF Regulation 20.3 (b) (l) (no part of the mark more than 320mm from the tack point)? | | | 320 |
| | | | | | |

OWNER'S DECLARATION

| _ | | | | 4.1 | \sim | |
|----------|----|------|------|-------|--------|-----|
| $1 \cap$ | hΔ | SIMP | ad h | v th∆ | Owr | nΔr |
| | | | | | | |

I acknowledge that I am responsible for ensuring that this sail complies with the requirements of the RRS. I have checked the items identified above as my responsibility and I undertake to maintain it in conformity with the RRS.

| Name: | |
|------------|-----------|
| Address: | |
| | |
| Signature: | Date: |

INTERNATIONAL MIRROR JIB MEASUREMENT FORM

In order to link this measurement form to the physical Jib, it is necessary for the Jib to carry a unique identification string or serial number. This can be one assigned by the manufacturer, or **the Official Measurer**. It is suggested that **Official Measurers** adopt the following format for identification strings.

CCC/NNN/DD/MM/YYYY-n where:

CCC are the national letters denoting the **Official Measurer**'s ISAF Member National Authority (e.g. AUS, RSA, SWE,...)

NNN are the Official Measurer's initials.

| DD/MM/YYYY is the date when the Jib underwent Fundamental Measurement . |
|--|
| n is a serial number used where more than one Jib undergoes Fundamental Measurement in a day. |
| Jib Sailmaker |
| Jib serial number or identification string |

On completion of **Fundamental Measurement** the **Official Measurer**, if satisfied that the **sail** complies with the current **Class Rules**, should sign and date the **sail** at the **Tack**.

| ITEM | RULE NO | MEASUREMENT | MIN (MM) | ACTUAL (MM) | MAX (MM) |
|------|------------|--|-------------|----------------|-------------|
| 1 | 7.1.3 | Do the seams comply with rule 7.1.3? | | Yes/No | |
| 2 | 7.3.1.2 | Does the jib comply with rule 7.3.1.1? | | Yes/No | |
| 3 | 7.3.1.2 | Does the jib comply with rule 7.3.1.2? | | Yes/No | |
| 4 | 7.3.1.3 | Does the jib comply with rule 7.3.1.3? | | Yes/No | |
| 5 | 7.3.1.4 | Does the jib comply with rule 7.3.1.4? | | Yes/No | |
| 6 | 7.3.1.5 | Does the jib comply with rule 7.3.1.5? | | Yes/No | |
| 7 | 7.6.5 | Does the jib comply with rule 7.6.5? | | Yes/No | |
| 8 | 7.3.2 | Luff length | | | 2782 |
| | | Leech length | | | 2442 |
| | | Foot length | | | 1540 |
| | | Foot median | | | 2545 |
| | | Top width | | | 35 |
| | | Primary reinforcement from corner measurement point | | | 234 |
| | | Secondary reinforcement from corner measurement point | | | 702 |
| | | Flutter patches | | | 100 |
| | | Chafing patches | | | 750 |
| | | Size of window in any direction | | | 460 |
| | | Shortest distance from edge of window to edge of sail | 125 | | |

MEASURER'S DECLARATION - Jib

To be signed by the Official Measurer:

I certify that I have taken the measurements on this form for the Jib identified and that, to the best of my knowledge, they conform to the **Class Rules** of the International Mirror Class at present in force, subject to any comments on this form.

| Comme | nts: | | | | |
|----------|-----------------------------|--|-------------|----------------|--------------|
| Name: | | Officially recognised by: | | | |
| Signatur | ·e: | Date: | | | |
| It is | the respons | sibility of the <u>owner</u> under the Racing Rules of Saili complies with the items in the checklist be | | to ensure the | sail |
| ITEM | RULE NO | MEASUREMENT | MIN (MM) | ACTUAL (MM) | MAX (MM) |
| | ISAF Reg 20.3 (b) (i) | Does the size of the sailmaker's marks comply with ISAF Regulation 20.3 (b) (i) (one mark on each side each fitting within a 150mm X 150mm square)? | | Yes/No | 150 X 150 |
| | ISAF Reg 20.3 (b) (i) | Does the position of the sailmaker's marks comply with ISAF Regulation 20.3 (b) (i) (no part of the mark more than 300mm from the tack point)? | | | 300 |
| | | OWNER'S DECLARATION | | | |
| I acknow | ecked the ite | Owner: am responsible for ensuring that this sail complies with ms identified above as my responsibility and I undertal | • | | |
| Name: . | | | | | |
| Address | : | | | | |
| | | | | | |
| Signatur | ·e: | Da | ate: | | |

INTERNATIONAL MIRROR SPINNAKER MEASUREMENT FORM

In order to link this measurement form to the physical Spinnaker, it is necessary for the Spinnaker to carry a unique identification string or serial number. This can be one assigned by the manufacturer, or the **Official Measurer**. It is suggested that **Official Measurers** adopt the following format for identification strings.

CCC/NNN/DD/MM/YYYY-n where:

CCC are the national letters denoting the **Official Measurer**'s ISAF Member National Authority (e.g. AUS, RSA, SWE,...)

NNN are the Official Measurer's initials.

| DD/MM/YYYY is the date when the Spinnaker underwent Fundamental Mea: |
|--|
|--|

n is a serial number used where more than one Spinnaker undergoes **Fundamental Measurement** in a day.

| Spinnaker Sailmaker | |
|---------------------|--|
|---------------------|--|

Spinnaker serial number or identification string

On completion of **Fundamental Measurement** the **Official Measurer**, if satisfied that the **sail** complies with the current **Class Rules**, should sign and date the **sail** at the head.

| ITEM | RULE NO | MEASUREMENT | MIN (MM) | ACTUAL (MM) | MAX (MM) |
|------|------------|---|-------------|----------------|-------------|
| 1 | 7.1.3 | Do the seams comply with rule 7.1.3? | | Yes/No | |
| 2 | 7.4.1.1 | Does the spinnaker comply with rule 7.4.1.1? | | Yes/No | |
| 3 | 7.4.1.2 | Does the spinnaker comply with rule 7.4.1.2? | | Yes/No | |
| 4 | 7.4.1.3 | Does the spinnaker comply with rule 7.4.1.3? | | Yes/No | |
| 5 | 7.4.1.4 | Does the spinnaker comply with rule 7.4.1.4? | | Yes/No | |
| 6 | 7.6.5 | Does the spinnaker comply with rule 7.6.5? | | Yes/No | |
| 7 | 7.4.1.6 | Are the leeches within 15mm of straight line? | | | 15 |
| 8 | 7.4.2 | Leech lengths | 2700 | | 2820 |
| | | Foot median | | | 3490 |
| | | Foot length | | | 2286 |
| | | Quarter width | | | 2550 |
| | | Half width | | | 2220 |
| | | Three quarter width | | | 1190 |
| | | Size of primary reinforcement from corner measurement point | | | 234 |
| | | Size of secondary reinforcement from corner measurement point | | | 702 |
| | | Size of primary or secondary reinforcement at a recovery point | | | 225 |

MEASURER'S DECLARATION – Spinnaker

To be signed by the **Official Measurer**:

I certify that I have taken the Measurements on this form for the Spinnaker identified and that, to the best of my knowledge, they conform to the **Class Rules** of the International Mirror Class at present in force, subject to any comments on this form.

| subject i | to any comm | nents on this form. | olado at _l | | , | | | |
|---|--------------------------------|---|-----------------------|--------------------|--------------|--|--|--|
| Comme Name: | | Officially recognized by | | | | | | |
| | ame: Officially recognised by: | | | | | | | |
| Signature: Date: | | | | | | | | |
| It is the responsibility of the <u>owner</u> under the Racing Rules of Sailing (RRS) to ensure the sail complies with the items in the checklist below. | | | | | | | | |
| TEM | RULE NO | MEASUREMENT | MIN (MM) | ACTUAL (MM) | MAX (MM) | | | |
| 9 | RRS G1.2(a) | Do the sail numbers and any national letters (optional) comply with RRS G1.2 (a) (legible capitals and Arabic numerals)? | | Yes/No | | | | |
| 10 | RRS G1.2(b) | Does the size of the sail numbers and any national letters comply with RRS G1.2 (b)? | 230 | Yes/No | | | | |
| 11 | RRS G1.2(b) | Does the spacing between the sail numbers, any national letters and the edge of the sail comply with RRS G1.2 (b)? | 45 | Yes/No | | | | |
| 12 | RRS G1.3(a) | Do the position of any national letters and sail numbers comply with RRS G1.3 (a) (where possible within 1692mm of the head point)? | | Yes/No | 1692 | | | |
| 13 | RRS G1.3(c) | Do the position of any national letters (optional) and sail numbers comply with RRS G1.3 (c) (any national letters above sail number)? | | Yes/No | | | | |
| 14 | 7.5.3 | Does the sail number comply with rule 7.5.3? | | Yes/No | | | | |
| 15 | ISAF Reg 20.3 (b) (i) | Does the size of the sailmaker's marks comply with ISAF Regulation 20.3 (b) (i) (one mark on each side each fitting within a 150mm X 150mm square)? | | Yes/No | 150 X 150 | | | |
| | | OWNER'S DECLARATION | | | | | | |
| acknownave chwith the | ecked the ite RRS. | Owner: am responsible for ensuring that this sail complies with ems identified above as my responsibility and I undertak | e to mair | ntain it in confor | mity | | | |
| | | | | | | | | |

Signature:

Date: