

# International Moth Class Rules

Authority	International Sailing Federation Ariadne House, Town Quay, Southampton, Hampshire, SO14 2AQ United Kingdom
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## 1. General

1. The International Moth is a single-handed development class boat. The intention of these class rules is to give the designer and builder the fullest liberty in design and construction, within these rules to develop and produce faster boats.
2. The official language of the class is English and in the event of a dispute over translation, the English text shall prevail.
3. These rules are complementary to the measurement form. Any interpretation shall be made by the ISAF which may consult the International Moth Class Association (IMCA).
4. In the event of discrepancy between the rules and the measurement form, the matter shall be referred to the ISAF.
5. In countries where there is no National Authority, or where the National Authority does not wish to administer the class, its function as stated in the rules, shall be carried out by IMCA or its delegated representatives (National Associations).
6. Neither the ISAF or the IMCA accept legal responsibility in respect of the rules, or any claim rising therefrom.

## 2. International Class Fee

1. The International Class Fee (ICF) shall be made up of three parts:

Part A due to ISAF which is set by agreement between the ISAF and IMCA World Secretary based on 0.5% of the average cost of a new boat ready to sail, taken over the World fleets whether made privately or professionally.

Part B due to IMCA World Association set and minuted at each World Association AGM.

Part C due to the National Associations to be set and minuted at each World Association AGM.

2. The IMCA is responsible for the collection of the ICF and the distribution of ICF plaques on the above basis.
3. The IMCA may delegate its responsibility to collect the ICF and issue plaques to National Associations.
4. The ICF is payable by the builder on each boat built whether or not it is subsequently measured and registered. Payment shall be made direct to the National Authority or its delegated representative (National Association), which shall issue an official ICF plaque. The ICF plaque shall be delivered by the builder to owner on sale of the boat.
5. ICF plaques shall be valid only if made out on official forms issued by the ISAF. The ISAF will sell these plaques at the rate set out in rule 2 part A above, to the IMCA which shall sell them at the rate set out in rule 2 part B above, to the National Authority or its delegated representative (National Association).  
The purchase price in each case represents the proportion of the ICF due to the ISAF and the IMCA. The National Authority or its delegated representative (National Association) may charge an additional sum (including the amount in rule 2 part C), but not exceeding the administration cost of carrying out this function.

## 3. Registration and Measurement Certificate

1. No boat is permitted to race in the class unless it has a valid measurement certificate.
2. The owner shall be a fully paid-up member of the relevant IMCA National Association.
3. Each National Authority or its delegated representative (National Association) shall issue sail numbers which shall be consecutive and the number shall be preceded by the official national letter(s). A National Authority or its delegated representative shall only issue a sail number on receipt of evidence that the ICF has been paid.
4. No two boats in the class registered in the same country shall have the same name.
5. The certificate is obtained as follows:
  - i. The owner or builder shall apply to the appropriate National Authority or its delegated representative (National Association) for a sail number enclosing the ICF plaque number, and at the same time submit the proposed name(s) of the boat. The National Authority or its delegated representative shall record the sail number and the ICF plaque number.
  - ii. The owner or builder shall obtain a measurement form from the National Authority or its delegated representative, and shall have the boat measured by a measurer officially recognised by the National Authority. The completed form shall be supplied to the owner of the boat.
  - iii. The owner shall send the completed measurement form to the National Authority or its delegated representative together with any registration fee that may be required. On receipt of this the National Authority or its delegated representative may issue a certificate to the owner.
6. Change of ownership invalidates the certificate but shall not necessitate re-measurement. The new owner may apply to the National Authority or its delegated representative (National Association) for a new certificate, returning the old certificate together with any re-registration fee required and stating the necessary particulars. A certificate shall then be issued to the owner.

7. It is the owner's responsibility to ensure that their boat, spars, sails and equipment comply with the class rules at all times. Alterations and replacement shall be measured, when relevant, by a measurer recognised by the National Authority or its delegated representative (National Association), who will, if necessary, endorse the measurement certificate accordingly, and shall notify the National Authority or its delegated representative where this would apply.
8. Notwithstanding anything contained in these rules the ISAF or the National Authority or its delegated representative (National Association) shall have the power to refuse to grant a certificate to, or withdraw a certificate from any boat.
9. The IMCA shall obtain at regular intervals from each National Authority or its delegated representative (National Association) details of sail numbers and ICF plaques issued.

#### **4. Measurement**

1. Only a measurer officially recognised by the National Authority or its delegated representative shall measure a boat, its spars, sails and equipment and shall sign the declaration form that they comply with the class rules.
2. The measurer shall report on the measurement form anything which he may consider to be unusual or to depart from the intended nature of the boat or to be against the general interest of the class and a certificate may be refused, even if the specific requirements of the class are satisfied.
3. A measurer shall not measure a boat, spars or equipment owned, designed or built by themselves, or in which they are an interested party or have a vested interest.
4. New or substantially altered sails shall be measured by a measurer who shall stamp or sign and date the sail near the tack. The details shall be recorded on the certificate and the entry signed by the measurer or secretary of the National Authority or its delegated representative (National Association).
5. All boats, spars and equipment shall comply with the current rules.
6. All boats, spars, sails and equipment shall be liable to remeasurement at the discretion of a race committee or the National Authority or its delegated representative (National Association).

#### **5. Identification Marks**

1. The class emblem shall be a representation of a Moth and shall conform in shape and size to the pattern held by the ISAF. Copies may be obtained from IMCA or National Authority or its delegated representative (National Association).
2. The sail number and national letter(s) of the boat shall be cut into, or marked indelibly on the hull, aft on the port side in figures not less than 30 mm high. These shall not be removed for the life time of the boat.
3. The ICF plaque shall be fixed to the hull near the national letter(s) and sail number. Should this plaque come off or need to be removed at a later date, this shall not invalidate the measurement certificate.
4. The sail number, national letters(s) and class emblem on the sail shall conform with ISAF Yacht Racing Rule 25. Letters and numbers shall not be less than the following sizes:

Height	250 mm
Width	150 mm (excluding '1' and letter 'I')
Thickness	35 mm
Space between adjoining letters and numbers	50 mm

(For sails measured before 1st March 1973, the minimum height shall be 230 mm and the minimum width 150 mm.)

5. All emblems, numbers and letters shall be of durable material and securely attached.

#### **6. Hull**

1. The overall length of the hull, excluding attached rudder fittings and stem fittings shall not exceed 3355 mm measured between perpendiculars with hull level transversely and waterline horizontal. No attempt at increasing waterline length shall be made by fairings comprising part of, or attached to rudder or stem fittings.
2. The overall beam shall not exceed 2250 mm.
3.
  - i. Catamaran or multihull configurations are prohibited. Sailing any type of permitted hull design consistently as a catamaran or multihull is also prohibited.
  - ii. For the purpose of determining the rules 6.3 iii and iv, the static waterplane shall be defined as the plane containing the static waterline of the hull which is determined with the boat fully equipped, afloat and upright but without crew. Winged or flexible transom will be measured in the raised positions. Any cross section shall be taken perpendicular to the hull.
  - iii. There shall be no visible air gap dividing the boat longitudinally throughout its length.
  - iv. Within the bounds static waterline and overall length of the hull, there shall be no hollow in the hull more than 75 mm in any section closer than 2700 mm from the aft perpendicular as described in rule 6.3.ii. The reference line for this hollow shall be a string line stretched tightly around the underside of the hull from points on the static waterline either side of the hull.
  - v. Obsolete.

## **7. Buoyancy**

1. Boats shall have not less than two separate buoyancy tanks or bags attached firmly to the hull which together must be sufficient to float the boat's own weight plus 75 kg, approximately level when capsized or full of water, and which, with any one tank flooded must be sufficient to float the boat's own weight plus 10 kg. If a measurer cannot ascertain compliance with this Rule by visual inspection, they shall undertake a buoyancy test to so satisfy themselves.  
(The requirement for two separate tanks or bags shall apply only to boats registered after 10th Jan 1989).
2. The measurer shall satisfy himself that the buoyancy compartments are effective by means of flotation or air test. (As a guide, leakage should not exceed 5% of volume of tank in half an hour.)

## **8. Spars**

1. The overall length of mast shall not exceed 6250 mm.
2. Measurement bands, not less than 15 mm wide shall be marked on the spars so that they are clearly discernible when racing. The inside edges of these band define the limits to which the sail may be set.
3. The distance between the bands shall not exceed 5185 mm.

## **9. Sails**

1. The boat shall carry only one sail. No extra sail shall be on board when racing.
2. The sails and spars shall be measured in accordance with ISAF "Measurement and Calculation of Sail Area". The ISAF Sail Measurement Instructions shall not apply. The measured and calculated area shall not exceed 8.00 m<sup>2</sup>, except that,
  - i. Clause 3.2.5(b) of the ISAF Measurement and Calculation of Sail Area shall not apply.
  - ii. Only the area of that part of the spars that will not pass through a ring 90 mm internal diameter shall be included.
  - iii. For a sail which encloses the mast, an area equivalent to the length of the luff multiplied by 50 mm shall be excluded.
  - iv. For a sail which encloses the boom, an area equivalent to the length of the foot multiplied by 90 mm shall be excluded.
3. Battens shall not extend more than 150 mm from the sail. No attempt at increasing sail area shall be made by the number or size of the battens used.
4. Where the sail is set on spars, no part of the sail luff shall extend beyond the lower edge of the upper mast band, or below the upper edge of the lower mast band.
5. International Moth sails do not require a boom band to be declared, and shall be measured in accordance with ISAF Measurement and Calculation of Sail Area clause 3.3. (Clause 3.2.3 shall apply for area of main triangle). The owner shall declare the maximum sail foot length (BC) and shall mark this declared foot length clearly and indelibly on the foot of the sail at the tack in figures at least 10 mm high. The BC measurement shall not be less than the measured distance from outside the tack cringle to outside the clew cringle, when the sail is stretched out and pegged down for measurement.

## **10. Crew**

There shall only be one person on board when racing. The righting moment of the helmsman weight shall only be transferred to the sail through the hull or sheet or similar, in which case it shall be through blocks attached to the hull.

## **11. Prohibitions**

Moving or detachable seats and trapezes.

## **12. Anchor**

An anchor need only be carried when specifically prescribed in the sailing instructions.