

International 2.4mR Class Association, Technical Committee

$$R = (L + 2d - F + \sqrt{S}) / 2.37 = 2.4$$


2.4mR TC MEETING 28 January 2026

Present

Peter Russell (AUS)
Bruce Millar (CAN)
Rikard Bjurström (FIN)
Thomas Jatsch (GER)
Jon Bjorklund (NOR)
IM Keith Gordon (GBR)

Apologies

Stellan Berlin (SWE)

General Business

1. Norway Official Measurer Training Video
2026.01.28 2.4mR Official Measurer training video production under consideration - separate setup with Official Measurer and videographer required, Alesund preferred venue (workshop and tank available) – use of 3 laser system for baselines noted.
2026.01.28 Jon Bjorklund issued measurement sketches to TC to update Measurement Manual.
2. 2.4 NOD Certificate Procedures Review
2026.01.28 2.4 NOD certificates on ICA website access and certification procedures review ongoing. Information management is key issue – 2.4mR, 2.4 NOD & boat serial number photo record required to identify boats.
3. 2.4 NOD Super 3 Update
2026.01.28 EC to followup David Heritage Racing Yachts marketing on website. EC to transfer 2.4 NOD Accredited Builder Agreement to David Heritage Racing Yachts.
4. 2.4 NOD Ontario Yachts Update
2026.01.28 2.4 NOD Accredited Builder agreement executed by ICA and Ontario Yachts 11 February 2025. Ontario Yachts 2.4 NOD laminate design approved 16 January 2025. Ontario Yachts 2.4 NOD mold approval subject to prototype boat No. 1 measurement.
Pricing and marketing documentation underway - boats to be batch produced for sale. Boats include machined foam, watercut lead ballast and superspar rig.
Fundamental measurement carried out 15-18 January 2026 with measurement team Bruce Millar, John Finch, IM David Sprague, IM David Foscari – refer Bruce Millar report dated 27 January 2026. 2.4 NOD measurement to be completed mid February 2026 – TC to consider recommendation for 2.4 NOD builder certification.
2.4 NOD Prototype boat No. 1 Fundamental Measurement Data
 - ❖ Boat weight 253.6 kg with 181kg ballast and 2kg corrector weight
 - ❖ Waterline length tank test pass
 - ❖ Buoyancy check pass
 - ❖ Hull/keel stiffness pass
 - ❖ Chain plate deflection pass
 - ❖ Lifting eye load capacity passTC agreed 2.4 NOD mold options (subject to purchaser agreement) as follows:
 - ❖ traveller track recess, headsail boom fitting, cockpit headsail sheet mountingsTC key 2.4 NOD boat build issues:
 - ❖ measurement control, weight control, hull/keel stiffness control, chainplate deflection control, lifting eye weight capacity, cockpit mould front straight (not rounded), ballast lifter and keel plug fixings to be metric (not imperial).

Ontario Yachts 2.4 NOD production boat questions

- ❖ Front tank buoyancy improvement – front deck camber increase option to be reviewed to allow increased buoyancy foam – dimensional relationship of **mast datum point** to mast hole surround to be considered – deck appearance to be similar to reference 2.4 NOD boat.
- ❖ Buoyancy check certification – TC agreed buoyancy check for 2.4 NOD production boats not required. – buoyancy check to be added to 2.4 NOD Builder Declaration Form.
- ❖ New deck to 2.4mR certified boat – no affect on rating so re-measurement and re-certification not required.

5. Linked4sailing 2.4mR Builder Accreditation

2026.01.28 No further contact with Linked4sailing.

6. Spain 2.4mR Builder Accreditation

2026.01.28 Auxinavy application to build 2.4 NOD boats received 28 January 2026 – TC to review application and advise regarding next steps.

7. 2.4mR World Championship 2026

2025.07.11 Peter Russell issued NOR advice and associated documents to 2.4mR World Championship 2026 Organising Authority – The Royal Water Sports Association: Koninklijke Watersport Vereniging Sneek (KWS), Klaas Weissenbach, Frank Havik,

- ❖ 2.4mR WORLD CHAMPIONSHIP SNEEK 2026 TC NOR ADVICE v. 03
- ❖ 2.4mR World & Continental Championship Management Manual 2024 (v. 11)
- ❖ 2.4mR WORLD CHAMPIONSHIP INSPECTION PLAN 2024
- ❖ 2.4mR WORLD CHAMPIONSHIP NETHERLANDS 2017 NOR
- ❖ 2.4mR WORLD CHAMPIONSHIP FINLAND 2023 NOR
- ❖ 2.4mR WORLD CHAMPIONSHIP ITALY 2025 NOR

2025.12.10 The 2.4mR TC worked with the 2.4mR World Championship 2026 Organising Authority to finalise the NOR and recommended the EC approve NOR WK 2.4mR final3.

2025.12.16 Updated SI template issued to 2.4mR World Championship 2026 Organising Authority.

2026.01.28 TC to follow up Sailing Instruction and registration status with Organising Authority.

8. Measurer Accreditation

2026.01.28 International Measurer - Thomas Jatsch providing ongoing assistance for World Sailing events in 2.4mR, Hansa and RS Venture classes – IM accreditation subject to World Sailing meeting February 2026 – IM exam can be taken within 3 years of IM accreditation.

2026.01.28 Keith Gordon advised that he is retiring from 2.4mR measurement due to continuing health issues – Keith started sailing 2.4mR in 2003 after campaigning flying fifteens for many years. Keith's extraordinary contribution to the 2.4mR class as 2.4mR IM and his support of Super 3 2.4mR boat production has left an invaluable legacy for the class. Martin Pascoe is now the GBR official measurer.

9. Safety Advice

2026.01.28 Thomas Jatsch draft safety training advice issued for review – Thomas to source missing photos and include race support training notes.

10. 2.4 NOD Boat Beam Dimensions Review

2025.12.17 Bruce Millar advised 13 2.4 NOD boats measured April 2025 – beam discrepancies of boats manufactured 1999-2007 with 2.4 NOD section J.1 Dimensions tolerances scheduled as follows. Bruce Millar to check discrepancies - TC to consider endorsement as 2.4 NOD boats with discrepancies noted on **certificate**.

Boat #	Year	Builder	Section 0	Section 2	Section 4	Notes
266	1999	Metre Boats	OK	+7mm	+14mm	AUS boat, To be rechecked
326	2001	Bjorndahl	-4mm	OK	OK	To be rechecked
329	2001	Bjorndahl	OK	OK	OK	OK
442	2003	Gavia	-2mm	-10mm	OK	To be rechecked
488	2006	Gavia	OK	-4mm	OK	To be rechecked
497	2006	Gavia	-9mm	-4mm	+4mm	To be rechecked
552	2007	Charger C.	-3mm	OK	OK	To be rechecked
554	2007	Charger C.	OK	OK	OK	OK
715	2010	Charger C.	OK	OK	OK	OK
728	2011	Charger T.	OK	OK	OK	OK
765	2011	Charger T.	OK	OK	OK	OK
959	2016	Charger T.	OK	OK	OK	OK
979	2017	Charger T.	OK	OK	OK	OK
1027	2020	Charger T.	OK	OK	OK	OK

11. 2.4mR Waterline Declaration Review

2026.01.28 2.4mR class rule on Waterline Declaration D.6.1 (c) subject to ongoing review.

- ❖ Consider tank and «still water» for waterline measurement.
- ❖ Consider deletion of waterline measurement form – declaration on measurement form only.
- ❖ Consider no waterline verification for production boats following prototype approval – modified boats, one-off boats and boats with lost paperwork will require waterline verification.

2.4mR Class Rules

D.6.1 GENERAL

- (c) The waterline shall be controlled by placing the boat in a water tank and loading it according to H.2. The official measurer shall issue a declaration or state on the measurement form that the correct procedure was followed.

12. 2.4mR Certification Review

2026.01.28 2.4mR class rule A11 Certification discussed – CR .11 CERTIFICATION requires a measurement form for all 2.4mR boats to obtain a **certificate**. Production 2.4mR boats built from approved molds have identical measurements so why do we pay for full measurement for all boats? TC to consider options for **certification** of production boats.

- ❖ Full measurement could apply to production boat prototypes only with random checks to future boats.
- ❖ Full measurement needs to apply to all one-off (home-built) boats, modified boats and boats with no records.
- ❖ Full measurement would be required for production boat new prototypes if the approved moulds or laminate design is changed.
- ❖ Full measurement is a time and cost barrier for new 2.4mR boat construction.

2.4mR Class Rules

A.11 CERTIFICATION

- A.11.1 For a **boat** not previously **certified**, all items required by the **certification control** form to be measured shall be measured by an **official measurer** and the details entered onto the form. The declarations on the form shall be signed by the builder and the **official measurer**.
- A.11.2 The **certification control** form and **certification** fee if required, shall be sent to the **certification authority** in the country where the **boat** is to be registered after completion of measurement.
- A.11.3 Upon receipt of a satisfactorily completed measurement form and **certification** fee if required within the time limit, the **certification authority** shall issue a **certificate**.
- A.11.4 The **certification authority** shall retain the original measurement form, which shall be transferred to the new **certification authority** upon request if the **boat** is exported.

13. 2.4mR AGM 2026

2026.01.28 2.4mR TC nominations for 2026-2027:

- ❖ Peter Russell AUS
- ❖ Rikard Bjurstrom FIN
- ❖ Bruce Millar CAN
- ❖ Jon Bjorklund NOR
- ❖ Thomas Jatsch GER (appointed for 2025-2026)

2026.01.28 2.4mR ICA AGM TC proposals:

- ❖ 2.4mR & 2.4 NOD BALLAST ADVICE PROPOSAL eAGM 2026
- ❖ 2.4mR & 2.4 NOD COMPARTMENT OPENING PROPOSAL eAGM 2026
- ❖ 2.4mR & 2.4 NOD MATERIALS PROPOSAL eAGM 2026
- ❖ 2.4mR & 2.4 NOD TOWING FITTING PROPOSAL eAGM 2026
- ❖ 2.4mR A.13.1 (d) CORRECTION PROPOSAL eAGM 2026

2026.01.28 2.4mR ICA AGM TC response:

- ❖ 2.4mR NORWAY SUBMISSION TC RESPONSE eAGM 2026

The 2.4mR TC supports the class rule change in principle and subject to 2.4mR World Council 2026 approval would work with World Sailing to agree wording to exclude the thwart from the ERS **hull** definition under CR D.3.1.(a).

14. 2.4mR boat measurement France 2026

2026.01.28 Thomas Jatsch – 4 days of 2.4mR boat measurement (12 boats) in France programmed for March 2026. Thomas noted he holds measurement records for over 400 boats from 6 countries – Bruce Millar to advise regarding dropbox system for records management.

15. 2.4mR eMeasurement Form

2026.01.28 Bruce Millar issued updated 2.4mR eMeasurement Form incorporating line numbers and measured data entry indicated in blue – 2.4mR and World Sailing website to be updated – eMeasurement Form line numbers to be incorporated into Measurement Manual.

eMeasurement Form signing by builder discussed – TC to discuss deletion of builder's signature with World Sailing – builder's signature of eMeasurement Form not current practice.

Builder Declaration Form discussed – official measurer to sign 2.4mR Builder Declaration Form as prerequisite to completing measurement – no existing document control practice.

2.4mR Class Rules

A.11 CERTIFICATION

A.11.1 For a **boat** not previously **certified**, all items required by the **certification control** form to be measured shall be measured by an **official measurer** and the details entered onto the form. The declarations on the form shall be signed by the **builder and the official measurer**.

16. Vakaros Race Sense Capability

2026.01.28 Vakaros discussed – system used by sailors in a number of fleets – TC noted that *“While racing, from the first warning signal until the end of the last race of the day, except in an emergency, a boat shall not make voice or data transmissions and shall not receive voice or data communication that is not available to all boats”* TC noted that Vakaros does not have a race sense «off switch».

TC to review class rules 2.4mR and 2.4 NOD class rules electronic navigation requirements – use of race sense capability so requiring sailors to buy Vakaros equipment not supported.

2.4 NOD Class Rules

C.5 PORTABLE EQUIPMENT

C.5.2 OPTIONAL

(d) The use of electronic navigation equipment is permitted. Timing devices are permitted. Handheld communication devices (cell phones, pagers, radios, etc.) are permitted but may be prohibited or restricted in the *notice of race or sailing instructions*.

17. Headsail Clew Point

2026.01.28 The 2.4mR TC has reviewed the applicable class rules, ERS and World Sailing measurement manual and understands that the headsail clew point is determined as follows:

Headsail clew points are determined with the use of short battens to bridge the rounded corner ignoring the straight middle part of the headsail. The headsail foot sail edge shape is controlled by the foot median definition.

Next Meeting:

Canada	1.00pm Wednesday 25 February 2026
Norway	9.00pm Wednesday 25 February 2026
Germany	9.00pm Wednesday 25 February 2026
Finland	10.00pm Wednesday 25 February 2026
Australia	7.00am Thursday 26 February 2026

2.4mR TC WORK PROGRAM 2025

2.4mR Technical Committee

Peter Russell (AUS) Chairman
Bruce Millar (CAN)
Stellan Berlin (SWE)
Rikard Bjurstrom (FIN)
Thomas Jatsch (GER)

ICA 2.4 NOD Certification Administrator

Louise Anstey (CAN)

ICA IM

Keith Gordon (GBR)
Matti Muoniovaara (FIN)

1 World Sailing

TC to review World Sailing RRS and ERS for class rule compliance.

2 2.4mR Class

TC to review class documentation:

- ❖ Updated 2.4mR class rules issued by World Sailing 2 December 2024
- ❖ 2.4mR Measurement Manual 2020 (v. 9)
- ❖ 2.4mR eMeasurement Form
- ❖ 2.4mR Buoyancy **certificate** (v. 3)
- ❖ 2.4mR **certificate** template for NCA Certification Authorities

TC to seek World Sailing 2.4mR class rule change approval:

- ❖ 2.4mR buoyancy check additional weight
- ❖ 2.4mR mainsail top batten (refer 2025 eAGM)

TC to review 2.4mR class rule requirements:

- ❖ 2.4mR fittings D.9.1 (a) (1) towing fitting
- ❖ 2.4mR hull materials D.3.2 (a) reinforcement plates
- ❖ 2.4mR Waterline Declaration
- ❖ 2.4mR Builder Declaration
- ❖ 2.4mR Production Boat Measurement and Certification

3 2.4 NOD Class

TC to review class documentation:

- ❖ 2.4 NOD Class Rules 2024 v.2
- ❖ 2.4 NOD Construction Manual 2023 v.2
- ❖ 2.4 NOD Drawings J1 – Measurement Section, J2 – Templates, J3 – Deck layout, J4 - Section
- ❖ 2.4 NOD Measurement Manual 2020 (v. 9)
- ❖ 2.4 NOD Measurement Report New Boats (v.5), Measurement Report – Old Boats (v. 4), Optional Measurement Report Mast & Boom (v. 5)
- ❖ 2.4 NOD **certificate** template (v. 5)
- ❖ 2.4 NOD Accredited Builder stickers starting at number 1000

TC to amend 2.4 NOD class rules:

- ❖ 2.4 NOD mainsail top batten (refer 2025 eAGM)

TC to review 2.4 NOD class rule changes:

- ❖ 2.4 NOD buoyancy check additional weight
- ❖ 2.4 NOD templates J.2 stern template clearance
- ❖ 2.4 NOD fittings D.7.1 (a) (1) towing fitting
- ❖ 2.4 NOD hull datum section D.2.5 (b) sheerline

4 Measurement

TC to review 2.4mR and 2.4 NOD measurement manuals – IKEA principles (refer 2025 eAGM).

TC to provide advice on water tank design – Hasse Malmsten to issue collapsable tank design details (refer 2025 eAGM).

TC to review 2.4mR Official Measurer Requirements & Equipment 2023 advice.

TC to review 2.4 NOD template use and prepare 2.4 NOD template register.

5 Safety

TC to review safety advice – Thomas Jatsch to issue safety training notes and photos.

6 Buoyancy Checks

TC to review ICA Buoyancy Certifier assignments:

- ❖ Buoyancy Certifier applications need to demonstrate competency either by current or past measurement qualifications or endorsement by an Official Measurer.
- ❖ ICA Buoyancy Certifier is a Measurer role appointed by the ICA (not MNA) where the person needs to have knowledge of the Class Rules and the ERS, respect competitors and officials and be aware of conflicts of interest.

TC to maintain 2.4mR Buoyancy Certifier database.

TC to prepare ICA Buoyancy Certifier instruction video.

7 2.4 NOD Accredited Builders

TC to review 2.4 NOD Accredited Builder class rule compliance:

- ❖ 2.4 NOD Accredited Builder Application Process (v. 5)
- ❖ 2.4 NOD Accredited Builder Agreement (EC)
- ❖ 2.4 NOD Accredited Builder Boat Inspection Plan (v. 6)
- ❖ 2.4 NOD Accredited Builder Declaration Form (v. 3)
- ❖ 2.4 NOD scan prepared by *VmaxYachting* in high definition for 2.4 NOD Accredited Builders and low definition for general distribution (EC)
- ❖ 2.4 NOD scan data file agreement (EC)

The EC has executed 2.4 NOD Accredited Builder Agreements as follows:

- ❖ *SUPER 3 (United Kingdom) Brian Harding*
- ❖ *ONTARIO YACHTS (Canada) Andrew Macrae*

TC to manage 2.4 NOD prototype inspections and approvals

8 Official Measurer Training

TC to support 2.4mR Official Measurer training program.

- ❖ NCA obtains expression of interest in obtaining Official Measurer accreditation from interested persons and advises ICA of persons names and background.
- ❖ Interested persons attend National, Continental or World Championship events as Equipment Inspector for measurement introduction.
- ❖ Interested persons attend ICA 2.4mR measurement training program to enable interested persons to undertake 2.4mR measurement for external examiner review. 2.4mR training could be conducted on a four-year cycle subject to commitment from interested people.
- ❖ Interested persons obtain NCA support and attend MNA Official Measurer program to obtain Official Measurer accreditation.
- ❖ NCAs obtains required measurement equipment, templates etc for Official Measurer use.

TC to maintain 2.4mR Official Measurer database. All NCAs to advise Official Measurer details.

TC to support Thomas Jatsch IM accreditation application.

9 2.4mR Italy World Championship 2025

TC to assist 2.4mR Italy World Championship 2025 Organizing Authority with race documentation.

10 2.4mR World and Continental Championship Management

TC to review 2.4mR World and Continental Championship Management documentation.

- ❖ 2.4mR World and Continental Championship Management Manual 2024 v. 11
- ❖ Event Form
- ❖ Inspection Plan
- ❖ Haul-out Form
- ❖ Substitution Form