

International 2.4mR Class Association, Technical Committee

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


2.4mR TC MEETING 26 February 2025 (notes in blue)

Present

Peter Russell (AUS)
Bruce Millar (CAN)
Rikard Bjurstrom (FIN)
IM Keith Gordon (GBR)

Apologies

Stellan Berlin (SWE)
Thomas Jatsch (GER)

General Business

1. EC/TC coordination
26.02.2025 Bruce Millar to discuss TC reporting options with EC.
2. TC 2025 Work Program
26.02.2025 2.4mR TC 2025 Work Program agreed.
3. Instruction Videos
26.02.2025 Certification Advice note issued by TC – instructional video to follow. Buoyancy Check instructional video production underway following World Sailing approval of class rule changes – Bruce Millar to forward buoyancy check photos for Peter Russell Buoyancy Check Advice note.
4. World Sailing CRC approval
26.02.2025 World Sailing proposed amendments to buoyancy check additional weight CRC agreed – new 2.4mR class rules published by World Sailing with effective date 26 February 2025.
26.02.2025 2.4 NOD class rules buoyancy check to be updated as consistent with 2.4mR class rules.
5. 2.4 NOD Super 3 Update
26.02.2025 2.4 NOD prototype 2 by Super 3 measurement report noted 2.4 NOD boat substantially consistent with the ICA 2.4 NOD quality objectives. Peter Russell to advise EC that Super 3 be permitted to proceed to builder declaration of 2.4 NOD compliance for future boats. The recommendation should note that Super 3 needs to continue to work on their quality plan to achieve a ballast weight of 181kg + corrector weights. The stern profile has been resolved by the TC following a review of the stern template clearances.
6. 2.4 NOD Ontario Yachts Update
26.02.2025 2.4 NOD Accredited Builder agreement executed by ICA and Ontario Yachts 11 February 2025. 2.4 NOD mould rectification underway. OM John Finch attending build process. Bruce Millar manufacturing new tooling for 2.4 NOD measurement – tooling designed to fit suitcase for ease of transport.
26.02.2025 Ontario Yachts 2.4 NOD laminate design approved 16 January 2025.
 - ❖ Key build issues:
 - station 0 error (3mm) rectification
 - width control
 - weight control
 - hull/keel stiffness control
 - chainplate deflection control
 - lifting eye weight capacity

7. 2.4mR Inclusive World Championship 2025
 26.02.2025 Peter Russell issued NOR guidance and associated documents to 2025 World Championship Organising Authority - Fraglia Vela Malcesine on 1 January 2025 as follows:
- ❖ 2.4mR WORLD CHAMPIONSHIP ITALY 2025 TC NOR ADVICE v. 02
 - ❖ 2.4mR World & Continental Championship Management Manual 2024 (v. 11)
 - ❖ 2.4mR WORLD CHAMPIONSHIP INSPECTION PLAN 2024
 - ❖ 2.4mR WORLD CHAMPIONSHIP FINLAND 2023 NOR
 - ❖ 2.4mR WORLD CHAMPIONSHIP ITALY 2019 NOR
- Heiko Kroger to advise if WC is approved as Inclusive WC by World Sailing and advise any WS NOR requirements.
 Consistent championship naming required as follows:
 Full name: **2.4mR World Championship and 2.4mR Para World Championship 2025**
 Short name: **2.4mR Inclusive World Championship 2025**
8. Norway 2.4mR eMeasurement Form
 26.02.2026 Rikard Bjurstrom liaising with Harald Rolfsnes regarding 2.4mR rating with pdf measurement form.
9. Buoyancy Checks
 26.02.2025 Gene Hinkel endorsed Buoyancy Check competency for Andrew Parish. Request for Andrew Parish Buoyancy Check Certification approved by TC.
10. IM Seminar
 26.02.2025 Thomas Jatsch to review future World Sailing IM seminar opportunities, funding for travel approved by EC.
11. Safety Advice
 26.02.2025 2.4mR Safety Advice note issued for website. Thomas Jatsch to forward training photos and notes to Peter Russell for future safety advice update. 2.4mR CR D.9.1 towing fitting or system wording to be reviewed by TC. No fitting load capacity noted.
12. Mainsail Upper Battten Class Rule Change
 26.02.2025 Full length mainsail upper batten approved at 2025 eAGM. TC discussed CRC options including - deleting dimension - adding "not restricted" in dimensions - deleting dimension and adding "The upper batten pocket may extend to the mast".
 "The upper batten pocket may extend to the mast" option as used in international classes such as the H boat is preferred. Peter Russell to draft CRC notices for World Sailing approval.
13. 2.4 NOD Stern and Rudder Template
 26.02.2025 2.4 NOD class rules to be amended to allow 12mm maximum clearance to stern template to allow for different hull/deck joint methods. Heritage 2.4 NOD rounded stern deemed to be no advantage. 2.4 NOD stern & rudder template advice issued for website.
14. 2.4 NOD Stickers
 26.02.2025 Old and new 2.4 NOD sticker stocks to be held in Finland and Canada – Bruce Millar to advise sticker numbers required. Out of sequence issue of 2.4 NOD stickers accepted.
15. General Business
 26.02.2025 Bruce Millar noted issue of corrector weight definition – is fibreglass in keel consistent with the class rules? Bruce Millar to confirm case evidence for TC consideration.
 26.02.2025 Bruce Millar suggested Jon Bjorklund be invited to participate in TC activities.
 26.02.2026 Rikard Bjurstrom noted issue of class rule compliance – TC to consider requirement for class rule objective to ensure that 2.4 NOD boats are nearly alike as possible with regard to any matter which may have influence on the basic speed or handling.

Next Meeting

Canada	12.00pm Wednesday 26 March 2025
UK	8.00pm Wednesday 26 March 2025
Sweden	9.00pm Wednesday 26 March 2025
Germany	9.00pm Wednesday 26 March 2025
Finland	10.00pm Wednesday 26 March 2025
Australia	7.00am Thursday 27 March 2025

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) IM

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 *Vmax Yachting* 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