

# International 2.4mR Class Association, Technical Committee

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



## 2.4mR TC MEETING 31 January 2024 (notes in blue)

### Present

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

### Apologies

nil

### General Business

#### 1. Instructional Videos

31.01.2024 Buoyancy Certifier instruction video production ongoing.

31.01.2024 Certification instruction video production ongoing.

#### 2. WS 2.4mR Class Rules Changes

31.01.2024 World Sailing advice that 2.4mR class rules amendment submission on seat/headstail boom weight, buoyancy validity and eMeasurement Form is acceptable – approval from World Sailing expected early February 2024. eMeasurement Form to be available on website/pdfMeasurement Form on World sailing website. World sailing logo instructions received – Peter Russell to forward to Rikard Bjurstrom for 6m class.

#### 3. Brian Harding Prototype 2.4 NOD Inspection

31.01.2024 2.4 NOD laminate compliance advice issued to Brian Harding. Keith Gordon noted no 2.4 NOD prototype measurement to date. Brian Harding has 2.4 NOD templates for compliance checks.

#### 4. Evert Aartsen 2.4 NOD boats

31.01.2024 7 2.4 NOD boats under production by Ab Skim Kayaks Finland Oy scheduled for February 2024 completion. Ab Skim Kayaks Finland Oy to ensure all documentation completed and fees paid for boats under production.

#### 5. 2024 2.4mR World Championship Germany Review

31.01.2024 Notice of Race reviewed. Bruce Millar and John Seepe comments noted. Number of Equipment Inspection days not adequate for up to 120 boats – allow 2 days for equipment inspection with final morning for compliance wrap-up. Schedule to be amended and race numbers to be corrected for 11 races. Equipment Inspection to be in accordance with 2.4mR World Championship Inspection Plan. Event insurance to be reviewed E2 million is policy limit in many 2.4mR countries. World Sailing is Organising Authority for 2.4mR Para World sailing Championship – delegation to be agreed with World Sailing. Thomas Jatsch noted that Keith Gordon has been appointed as 2024 2.4mR World Championship IM.

Peter Russell to forward 2.4mR World Championship Inspection Plan and associated documents to Thomas Jatsch meeting with Organising Authority.

Peter Russell to prepare TC review for issue to EC meeting 06.02.2024.

#### 6. World Sailing Hannah Stodel Meeting

31.01.2024 Meeting with World Sailing on 12.02.2024 noted – agenda to be issued by World Sailing – Para Sailing assumed topic.

7. Rudderstock

31.01.2024 Parts of rudder discussed – rudderstock (one word) agreed as correct term – word rudderstock and materials to be regularised.

2.4mR Class Rule D3.1 permits rudder stock to be “of any materials” E.4.2 prescribes rudderstock of stainless steel or aluminium.

2.4 NOD Class Rules E.2.6 & E2.8 rudder stock

8. Mainsail Edge Measurement

31.01.2024 Mainsail edge measurement discussed. There is no ERS or 2.4mR Class Rules for straight sail edges from top batten to aft head point. Sails with a local curvature to be measured with batten to ERS ensuring sail extension does not affect head width. North sails noted as straight and Neb sails noted as minor curvature between upper leech point and aft head point.

9. World Sailing Plaques

31.01.2024 Loss of plaque number on some World Sailing plaques noted. No alteration to World Sailing plaque is permitted so replacement plaques required. New rating certificates to note original and new R plaque numbers.

10. 2,4mR Measurement

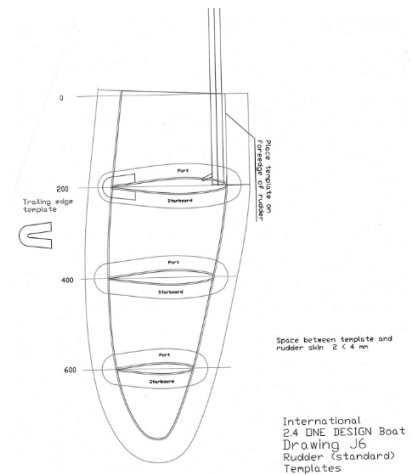
31.01.2024 Keith Gordon noted efficiency with use of 3 lasers for fundamental measurement – process description to be prepared.

11. 2024 2.4mR TC Work Program

31.01.2024 Work program finalisation subject to World Council AGM approvals.

Next Meeting

Canada	12.00pm Wednesday 28 February 2024
UK	8.00pm Wednesday 28 February 2024
Sweden	9.00pm Wednesday 28 February 2024
Germany	9.00pm Wednesday 28 February 2024
Finland	10.00pm Wednesday 28 February 2024
Australia	6.00am Thursday 29 February 2024



## 2024 2.4mR TC WORK PROGRAM

### 2.4mR Technical Committee

Peter Russell (AUS) Chairman  
Bruce Millar (CAN) EC Representative  
Stellan Berlin (SWE)  
Rikard Bjurstrom (FIN)  
Keith Gordon (GBR)  
Thomas Jatsch (GER)

### ICA NOD Certification Administrator

Louise Anstey (CAN) (backup - John Seepe (USA))

### ICA IM

Keith Gordon (GBR) IM  
Matti Muoniovaara (FIN)

## 1 2.4mR Class

TC to review class documentation:

- ❖ Updated 2.4mR class rules issued by World Sailing 15 November 2022
- ❖ 2.4mR Measurement Manual 2020 (v. 9)
- ❖ 2.4mR Buoyancy certificate (v. 3)
- ❖ 2.4mR **Certificate** template for NCA Certification Authorities

TC to incorporate World Sailing class rule changes approvals:

- ❖ 2.4mR eMeasurement Form
- ❖ 2.4mR seat/headstail boom weight
- ❖ 2.4mR buoyancy validity

TC to seek World Sailing class rule changes approval subject to 2.4mR ICA World Council approval:

- ❖ 2.4mR Sail Numbers Proposal – plaque numbers
- ❖ 2.4mR Sail Area Proposal – foot median
- ❖ 2.4mR Headsail Proposal – RRS 50.4
- ❖ 2.4mR Pumps Proposal – electric pumps

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

## 2 2.4 NOD Class

TC to review class documentation:

- ❖ 2.4 NOD Class Rules 2022
- ❖ 2.4 NOD Construction Manual 2023.1
- ❖ 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. 4)
- ❖ 2.4 NOD Accredited Builder stickers starting at number 1000

TC to incorporate class rule changes subject to 2.4mR ICA World Council approval:

- ❖ 2.4 NOD Certification Proposal – spar certification
- ❖ 2.4 NOD Sail Numbers Proposal – plaque numbers
- ❖ 2.4 NOD Sail Area Proposal – foot median
- ❖ 2.4 NOD Pumps Proposal – electric pumps
- ❖ 2.4 NOD Lifting Eye Proposal – load capacity

### **3 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.

### **4 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. 4)
- ❖ 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*
- ❖ *AB SKIM KAYAKS FINLAND OY (Finland) Evert Aartsen*

### **5 2.4 NOD Certification**

TC to review 2.4 NOD certification process – TC to prepare 2.4 NOD Certification video.

TC to manage 2.4 NOD sticker issue to 2.4 NOD Accredited Builders.

### **6 Official Measurer Training**

TC to support 2.4mR Official Measurer training program.

- ❖ NCA obtains expressions 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.

### **7 2.4mR Germany World Championship 2024**

TC to review 2.4mR Germany World Championship 2024 race documents for compliance with equipment inspection guidelines.

### **8 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
- ❖ Event Form
- ❖ Inspection Plan
- ❖ Haul-out Form
- ❖ Substitution Form