

Date: 01/04/2025

WRO 2025 National Competition- OMAN

1- Introduction

Based on the number of registered teams for National Competition, we will hold a qualification competition, and the best teams will receive a permit to participate in the WRO 2025- Singapore.


The games and rules of this competition are like the rules of the WRO 2025, with the difference that we have simplified it and there is no randomization in RoboMission category. Therefore, the position of the game objects is predetermined, and will be the same as the example of randomization in the rules of the RoboMission for each age group.

2- Age Groups

AGE GROUP/ CATEGORIES	AGE	2025 SEASON- BORN IN YEARS	
ELEMENTARY	8 – 12 Years Old	2013	2017
JUNIOR	11 – 15 Years Old	2010	2014
SENIOR	14 – 19 Years Old	2006	2011

For participation in the international WRO final it is strictly enforced that participants cannot, at any time in the year of the competition, be older than specified in the age group definitions. The maximum ages reflect the age that the participant turns in the calendar year of the competition, **not** his/her age at the competition day.

3- Different Categories in National Competition



ROBOMISSION

Age: Elementary: 8-12 | Junior: 11-15 | Senior: 14-19

Team size: 2-3 people guided by a coach

Hardware: Free choice (new starting 2025 season)

Software: Free choice

Maximum size: Max. 25 x 25 x 25 cm

Characteristics: Build and program a robot that solves challenges on a field.

WRO® RoboMission is a challenge-based competition. Students must design, construct and program an autonomous robot that can solve specific challenges on a field. Because the field is set up randomly each round, the robot needs to be able to make its own decisions during the run.

Note: WRO RoboMission was called Regular category until 2021.



ROBOSPORTS

Age: 11-19

Team size: 2-3 people guided by a coach

Hardware: Free choice, with LEGO® or Arduino controller

Software: Free choice

Maximum size: Max. 20 x 20 x 20 cm

Characteristics: Teams design 2 robots that compete with robots of another team.

With the WRO® RoboSports category we introduce a fun and exciting game where two teams each have two autonomous robots on the field playing a sports game. The robot can be built from all materials. The controller can be LEGO® MINDSTORMS® NXT or EV3, SPIKE PRIME or Robot Inventor or an official Arduino Controller. There is no limitation to motors, sensors or cameras used in the robot, but the maximum weight is 1.2 kg. The game changes every 3 or 4 years and the current game is Double Tennis. Each year little changes are introduced to motivate the students to keep on developing their robots.

Note: WRO RoboSports is replacing WRO Football as of 2022.



Future Innovators

Age: Elementary: 8-12 | Junior: 11-15 | Senior: 14-19

Team size: 2-3 people guided by a coach

Hardware: Free choice*

Software: Free choice

Maximum size: Must fit in 2x2x2m booth

Characteristics: Develop a robot project that helps solve real world problems.

Our Future Innovators category is a project-based competition. Students create their own innovative intelligent robotics solution relating to the current theme of the season. There is no restriction on the use of materials. This includes free choice of controllers, motors, sensors, etc. Teams will present their project and their robot model to a group of judges on the competition day. The judges will not only grade the robot solution but will also look at aspects of innovation and entrepreneurship.

Note: WRO Future Innovators was called Open category until 2021.

WRO Kids

- This age group is not in the final International.
- We offer this category for students 6 to 9 years old in the National Competition.
- The games and rules are available on www.roboticktick.com
- The students in this age group can only use Lego WeDo 2.0, Lego Spike Essential, or VEX Go.

4- Team Definition

- Competitions in WRO are team based. A team consists of two (2) or three (3) team members.
- Each team is assisted by a coach. For the International Final the coach needs to be at least 18 years old.
- One (1) coach and one (1) team member is not considered to be a team and cannot participate.
- Any student may participate in one team only!

5- Playing Field & Booth Dimensions

- All playing field dimensions are mentioned in the **General Rules for each category**.
- Make sure the table matches the dimensions of the field mat as well as possible. If inside table dimensions exceed mat size, then note the guide in the category rule documents on how to place the mat inside the table.
- All RoboMission and RoboSports games are carried out on a field mat provided as a downloadable file from the WRO website and the social platform for National Organizers (www.roboticktick.com).
- The Future Innovators teams must present their model in a 2m x 2m x 2m booth. At the international final, it is enforced that teams place nothing outside their booth.

6- Registration

To register your team please visit the following website, and fill in all the required fields, and click on the submit button:

<https://www.roboticktick.com/wro/season/9/2025>

Coaches can collect all the information and files, to do the registration of their team.

For smoother coordination, it's best if **one person registers each team**—ideally the **coach**.

Also, please remember to take a **nice group photo of all team members** and upload it during the registration process.

7- Important Dates

March 21st	<i>Start Registration Teams</i>
May 8th	<i>End Registration Teams</i>
May 31st	<i>National Competition of Oman</i>
October 23rd ~ 25th	<i>Open Championship Saudi Arabia</i>
November 26th ~ 28th	<i>Final International WRO 2025 Singapore</i>

Note: The Location of National Competition of Oman is **Cheltenham Muscat School**.

8- Registration Fees

Registration Fee per team: **12 OMR**

We recommend that **one team member or parent** pays the full registration fee to one of the account numbers listed below.

Name: **Prosperity Tower Information Technology L.L.C**

Bank Name: **Sohar International**

Account Number: **023020012810**

Or

Name: **Vahid Ali Jourabchi**

Bank Name: **Bank Muscat**

Account Number: **0313 05595492 0011**

The **coach must upload the payment receipt** in the designated section during the registration process.

If you have any questions, please contact us.

You can check the National Organizer of your country, on the following website:

<https://wro-association.org/about-wro/association/member-countries>

Best of luck 😊