

2020 WRO National Tournament

September 12 & 13, 2020

The 2020 WRO National Tournament will be conducted as an open, internet-based event. No qualification tournament is required in order to participate in the national level tournament. For this online event, we are allowing team size of just 1 member up to 3 members.

The tournament will run through the use of multiple zoom rooms running simultaneously with judges in each zoom room. There will be 4 teams in each room. Judges who are not associated with any of the 4 teams in the room will be scoring each team's performance.

Regular category will not have a build time. Robots may be brought to the live feed completed. There will however be a secret rule announced to start the tournament, and teams will have 30 minutes to reprogram and/or redesign their robots before the first scoring round. Teams should be visible in the video stream during this work time. Each of the teams will then take turns making a scoring run. The process will be repeated twice more for a total of 3 scoring rounds for each team. The best run will stand as a team's score. All four age categories will be available for competition, WeDo, Elementary, Junior and Senior.

Due to the difficulty involved in having multiple teams present in the same space, WRO Football will not be included in the 2020 National Tournament. Open Category will be conducted as specified in the normal WRO Association ruleset, the exception being that the live presentation portion of the scoring will be done using streaming video rather than in person. All four age categories will be available for competition, WeDo, Elementary, Junior and Senior.

The overall rules will remain very similar to the 2020 WRO-Association rule set. Please see the addendum below for specific rule changes. This document will change over time, so please check back for the latest rules.

“First Year - Elementary” Rules addendum

1.1 OMIT “The Provincial First Year Competitions may happen on the Friday afternoon before WRO Provincials on Saturdays due to the number of entries and may be held in the same venue.”

1.1 OMIT “There will be an “First Year” category at all the Provincial competitions and participants may qualify to participate at the National Competition based on their highest score and time taken to register the score.”

“First Year - Junior” Rules addendum

1.1 OMIT “The Provincial First Year Competitions may happen on the Friday afternoon before WRO Provincials on Saturdays due to the number of entries and may be held in the same venue.”

1.1 OMIT “There will be an “First Year” category at all the Provincial competitions and participants may qualify to participate at the National Competition based on their highest score and time taken to register the score.”

“First Year” Category 2020 General Rules

1.1 OMIT “First Year competitions will run for 2.5 hours at provincial competitions”

1.1 OMIT “The Provincial First Year Competitions may happen on the Friday afternoon before WRO Provincials on Saturdays due to number of entries. (same venue)”

1.1 OMIT “There will be an “First Year” category at all the Provincial competitions and qualifiers will get the opportunity to participate at the National Competition.”

1.11 OMIT “Teams may have 2-3 members.

1.11 Teams may have 1-3 members.

1.11 OMIT “Participants are only allowed to compete in the First Year Categories First Year Elementary and First Year Junior once per age group at WRO SA Provincial and National level.”

1.1 OMIT “A surprise additional rule may be announced on the day of the competition.”

1.1 There will not be a surprise rule on the day of competition.

2.5 OMIT “to enter the court”

2.8 Rule OMITTED

2.8 All Control Software is allowed.

9.1c Rule OMITTED

Regular Category Addendum:

1.2 The surprise rule will be provided to the teams in a digital format just before the start of the event.

2.5 Coaches are not allowed to be visible in the video feed, unless or to provide any instructions during the competition.

2.6 Students may pre build their robot before the event begins, and the robot does not need to be dismantled before the beginning of the event.

2.11 RULE OMITTED

5.1 RULE OMITTED

5.2 RULE OMITTED

5.3 RULE OMITTED

6.1 The competition consists of 3 rounds, each of which consist of programming and testing time (Maximum of 30 minutes) and a scored run.

6.3 RULE OMITTED

6.4 RULE OMITTED

6.5 Competitors may begin modifying their physical robot, making software changes, and conducting test runs as soon as time begins.

6.6 RULE OMITTED

6.7 RULE OMITTED

6.8 RULE OMITTED

6.9 RULE OMITTED

6.15 The score calculation is done by the judges at the conclusion of each round. The team must verbally verify the score after each round, if they have no fair complaints.

6.18 Outside the programming and testing time, it is not allowed to modify or exchange the robot. People other than competing students are not allowed to enter the competition area, apart from authorized WRO Organizing Committee staff and special personnel.

9.2 RULE OMITTED

Open Category General Rules Addendum:

1.1 The size of the “booth” will not be regulated.

1.2 RULE OMITTED

1.3 RULE OMITTED

3.1 RULE OMITTED

3.2 OMIT “A copy of the report must be handed out to the judges in paper

form at the time of judging.”

3.3 OMIT “For the international final”

4.1 OMIT “and the general public and”

4.2 OMIT “to members of the general public and”