

RoboCup MSL – 2025 Rule Changes

Disclaimer: This document contains an overview of the Rulebook changes introduced for the 2025 RoboCup competitions. It was created to facilitate the integration with new rules, but it does not replace the reading of the official rulebook in any way.

The Executive and Technical Committees would like to thank all the contributions of the teams with proposals for rule changes. Rules are adapted with the league roadmap in mind, making sure that the evolution goes towards the RoboCup 2050 goal, along with a steady scientific progress.

The Technical Committee can create a rule roadmap, independent of the rulebook. This will contain rule proposals and the projected year of implementation, allowing teams to prepare further in advance for larger steps forward of the league.

The actual implementation of the roadmap (both the exact specification of the rules, and exact year of introduction) is handled by the Technical Committee at the time of introduction.

Any questions or issues regarding the rules should be addressed to the MSL Technical Committee mailing list: rc-msl-tc@lists.robocup.org

The 2025 Middle-Size League Exec/Technical Committees members,

António Ribeiro, University of Minho, Portugal

Jorrit Olthuis, Eindhoven University of Technology, The Netherlands

Valentin Gies, Toulon University, France

Ruben Beumer, Eindhoven University of Technology, The Netherlands

Moeko Tominaga, Nishinippon Institute of Technology, Japan

Josip Dujic, University of Zagreb, Croatia

Speed limit around humans (RC-4.1.7)

The 2025 rules have introduced a speed limit of 1m/s in a range of 1.5 meters around any human on the field.

Robot safety border (RC-4.1)

Each robot is now required to have a safety border made from a soft material of 3cm thick and 20cm high. The maximum size of the robots is updated accordingly. The additional requirement for a greater safety border when playing with humans has been removed.

Emergency stop (RC-4.1.5)

This rule has been clarified to cover all *actuators* instead of only all *motors*.

Maximum shot velocity (RC-4.1.6)

Robots cannot kick the ball faster than 80km/h out of safety concerns. The Technical Committee is responsible for monitoring compliance.