

Skills Ontario 2023 Robotics Q and A Document

Updated: October 26th 2023

A. General

A.1- What is this document?

This document is a supplement to the competition scope that answers specific questions teams may have about ambiguities in the scope. This document supersedes the current version of the scope found on www.skillsontario.ca.

A.2 – What is the Mail list?

The mail list is the fastest way to receive information about the competition. It is recommended that at least 1 team member or coach should be receiving email updates. Email dan.kurz@dsb1.ca to be added to the mail list.

B. The Court

B.1 – Should teams be ready for variations in the firmness of the balls?

Yes. There can be quite a bit of variation in the firmness of the balls. Teams should make sure any ball handling mechanisms can accommodate firm and squishy balls.

B.2- Appendix A has the groove in the snow piles listed with a width of 1.5”, is this right?

No. The width of the groove is 1”. See rule 7.3.3.1.3

B.3 - What happens if balls get jammed in the trees?

Teams have reported rare instances of balls getting jammed in the trees. The National Committee is aware of this and is working on a fix that will eliminate potential jams. Teams are not expected to deal with jammed balls, if this does happen during the match, the judge will treat it like any

other court failure and will request a replay of the match if the outcome is significantly affected by the jam.

C. Game Play

C.1- Do red balls need to go to the boiler before the maple taffy zone to qualify for points?

No. All scoring is done based on the final state of the court.

C.2 – Can snow piles be in any orientation to qualify for delivery points?

Yes. As long as they are fully within the maple taffy zone. Note: For red balls to count for maple taffy points they must be on the top surface of a snow pile in its starting orientation as described in rule 8.3.2.2.

C.3 – Can taps (dowels) be used by teams once removed from the trees.

Yes. Taps are considered “game pieces” like the balls and snow piles.

C.4- Do taffy piece (red balls) that are suspended between 2 snowpiles or between a snow pile and a wall count for points?

No. The bottom of the ball must be above the top of the snow pile to be counted. (This is the NTC Ruling on the question) Note: balls sitting in the grove are a sperate case and are ok.

C.5 – Can teams remove balls from the tops of the pipes?

Yes.

C.6- Can a tele-op bot drive into the autonomous zone.

Yes.

D. Robot Design

D.1 - Can an autonomous bot extend beyond the vertical plane formed by the edges of the boiler?

No. Autonomous bots must remain completely within the boiler, defined by the vertical planes extending up from the outside edges of the boiler for the whole game. See rule 7.4.5.2 and 8.3.1.3

D.2 – Can a tele-op robot have autonomous functions?

Yes.

E. The Skills Ontario Competition