

## Week 12

Q110-

a) For the transformer base, the rules clearly indicate that deploying it is prohibited. When a wind turbine stands entirely inside the departure area, is it legal for the blade to extend horizontally slightly beyond the boundaries of this area?

No. See the March 11 erratum in the FAQ section on the Web site.

b) If not, how can one be sure that nothing extends outside the area?

During the provincial finals, the method will be left up to the referees' discretion.

c) And if the blade doesn't extend beyond the boundaries when in its starting position, but does extend beyond the boundaries once it starts turning, is this still legal?

No. The transformer base must remain inside the departure area at all times. See the March 11 erratum in the FAQ section on the Web site.

Q111-

a) Does a team's turn end if its vehicle touches the hockey pucks?

No, only if it unglues them from the surface of the playing field. In this case, it would contravene Rule 2.8 and the team might be disqualified.

b) If hitting the hockey pucks doesn't end our turn, are we allowed to use the hockey pucks to re-align the vehicle's trajectory (by hitting the sides of the hockey pucks)?

Yes, but the conditions indicated in the previous response apply in this case as well.

c) And if the hockey pucks are accidentally moved, does the turn end?

Yes. Rule 2.8 will be applied and you might be disqualified.

Q112- For the first turn, the rules state that the fans are turned on at their maximum speed, setting 3. Are we allowed to use the fans at setting 2 during the first round? I believe this practice would be legal since it would create a disadvantage for the team that does this.

No. This is not what the contest rules stipulate.

Q113- For the national finals, are all the fans returned to their original positions (as predetermined by the committee), or will they stay where the preceding team has left

them? It would be advantageous to a team if the team taking its turn just before them were to use the same layout for the fans.

Yes. We will always place the fans in the same positions, one per quarter of the track, without facing them in any particular direction.

Q114- You allow teams to perform a "starting action" after the fans have been running for 90 seconds. Can this action, if performed using one hand, be done in two stages? For instance, are we allowed to cut two ropes, but not at the same time?

Unfortunately, no; only a single action is allowed, but this action could involve cutting both cords at the same time, with a single action.

Q115- I was wondering if I could have my sails on a starter/timer so that they close up once the fans stop.

Yes, you could, but that action may not provide any energy to your vehicle. When the sail closes, the closing action must not help move the vehicle.