



CHALLENGE UPDATES AND CLARIFICATIONS

Version: November 30, 2022

New: **Update 03**

Updates

Update 03 – SPIKE App 3 (do not update!)

The new update for the LEGO Education SPIKE app has been announced on the LEGO Education website: <https://community.legoeducation.com/blogs/36/221>. Version 3 will be available from December 1, 2022.

As updating to the SPIKE App 3 will affect existing code, we recommend that FIRST LEGO League teams do NOT transition to the new app in the middle of their season.

You can read a summary of the new features in the blog post.

After the launch of SPIKE App 3, SPIKE App 2 will prompt you to download SPIKE App 3. The Web App will automatically switch to SPIKE App 3 on the launch date, and you will be prompted to update your firmware to ensure compatibility. Your firmware needs to be coherent with the app version to be compatible.

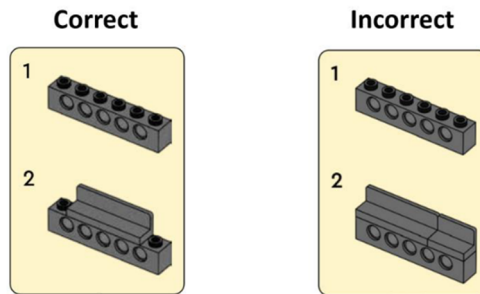
Please do not comply with the request and keep version 2 for this season.

Teams that have not yet started programming their robots can switch to the new version.

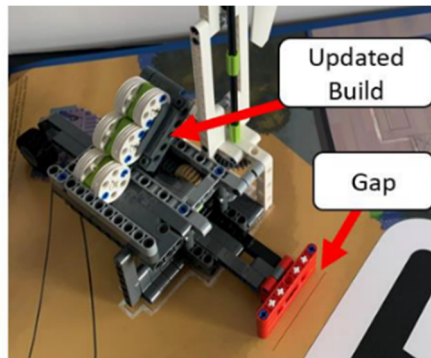
Update 02 – M07 Wind Turbine Building Instructions

Step 59 of the wind turbine mission model (M07) building instructions has been updated here:

<https://www.first-lego-league.org/en/2022-23-season/challenge-resources/robot-game>. The correct building instruction change can be seen below:



The wind turbine should also include a gap between the line on the mat and the red activator. The updated element and gap can be seen below:



Mission points lost at a competition due to a mission model that is not built or located according to the updated building instructions should be awarded in favor of the team (Benefit of the Doubt).

Update 01 – Rule Update – Combining with a Mission Model

The following rule is to be applied both inside and outside of home:

"If you combine a mission model with anything (including the robot), the combination needs to be loose or simple enough that, if asked to, you could free the mission model in perfect original condition immediately".

Clarifications

Clarification 10 – Match Setup 4

This clarification only concerns the German translation of the Robot Game Rulebook!

Clarification 09 - During the Match | Inside Home – Handling

Technicians may not hand anything from one home area to the other.

Clarification 08 – Mission 13 Power-to-x – Positioning of Energy Units

This clarification only concerns the German translation of the Robot Game Rulebook!

Clarification 07 – During the Match | Inside Home – Robot Handling

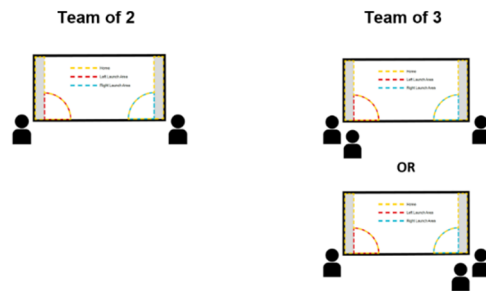
Technicians may not pass the robot directly from one home area to the other.

Clarification 06 – Mission 02 Oil Platform – Positioning of Fuel Truck

This clarification only concerns the German translation of the Robot Game Rulebook!

Clarification 05 – Match Setup 4

As per Match Setup 4 (p. 18 of Robot Game Rulebook), "Team members must divide into two groups and position one group at each side of the field (left and right). These members cannot switch sides during the match. If possible, position two technicians at each home area." For teams of 2 or 3, setup is as follows:



These members cannot switch sides during the match

Clarification 04 – Mission 05 Smart Grid Sharing

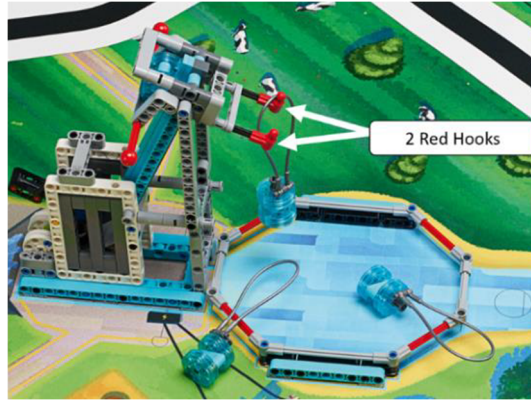
Teams competing in remote events cannot earn the bonus.

Clarification 03 – Mission Requirements on Equipment Touching Energy Units

Certain missions (Missions 03, 08, 12, 14, & 15) include requirements that Energy Units or Looped Water Units may not be touching team equipment at the end of the match to score. This applies only to those Energy Units or Looped Water Units that are touching team equipment directly. Units that are not touching team equipment directly will still score.

Clarification 02 – Field Setup –Water Reservoir Red Hooks

For this mission, there are only two red hooks (pictured below). Looped water units on red hooks score per hook, not per unit. Two looped water units on the same red hook will only score once.



Clarification 01 – Field Setup – Water Reservoir Frame

The Water Reservoir frame is mislabeled in the Robot Game Rulebook – Field Setup (p. 28). The correct labeling can be seen below:

WATER RESERVOIR



Place the water reservoir frame and three looped water units as shown (loops on the looped water units should align with lines on the mat).