

Just want to know what's changed? Go to the [Revision History](#) at the end of the document!

General

- Master Challenge Resource Site: [Challenge, Updates, & Resources | FIRST \(firstinspires.org\)](#)
 - [Cargo Connect pdf Robot Game Rulebook](#)
 - [Cargo Connect Interactive Robot Game Rules \(web based\)](#)
- Make sure that you are aware of the updated Robot Game rules. You will be scored according to the most recent rules.
 - Link to Challenge Updates:
<https://firstinspiresst01.blob.core.windows.net/first-forward/fll-challenge/fll-challenge-cargo-connect-challenge-updates.pdf>
- FLL Mid-Atlantic Resource Site: [FLL Challenge Team Info](#)
- Ensure that all of your missions are set up correctly. **If the Refs observe that a mission is set up incorrectly, it will not be scored.**
- REMINDER: If a rule does not explicitly say that something is not allowed, then it can be done.

[FLL Mid-Atlantic Guide for Videoing Your Robot Run](#) (Go through this document first. The below are reminders for details!)

Video Requirements

- Read and follow the official FIRST instructions/guides for videoing your robot run:
 - [PDF file with Video Recording Instructions](#)
- Do not upload separate videos for inspection and robot run - it needs to all be in one video!
- Show proof of the time when you start recording your robot run
 - If the beginning of your video is not started within your designated 5 minute time frame, it will not be scored

M08 Air Drop

- The helicopter food package may start in home. Please review the challenge updates (linked at the beginning of this document) for additional details on the mission.

M10 Sorting Center Setup Instructions

- In your video, indicate which configuration number you are using for the sorting center for that mission according to the document linked below.
 - [W M10 Setup Guide.docx](#)
- An Oct 21st game update requires that all 3 robot runs need to have different sorting center starting configurations.
- Please ensure that you clearly show the beginning configuration of the sorting center (zoomed in) before the actual robot round

Robot Inspection

- To be scored, the following must be shown during robot inspection:
 - Must show explicitly that the robot and attachments are not taller than 12 inches
 - We suggest holding up a ruler
 - Show the Inspection area from above (bird's eye view) to show that there are no parts that are "hanging over" the edge of the table/border
 - Show that the robot has, **at most**, 4 motors. If there are more than 4 motors in total, then the robot may be disqualified from the game

Robot Game

- Please make sure that the camera angle clearly shows the launch area so that the Ref can tell if the Robot is in the launch area when it is released/when it comes home (this can impact Precision Tokens)
- Make sure you keep track of time. If your robot run is longer than 2 minutes and 30 seconds, missions completed after that time may not be scored

Self-Scoring the Robot Game

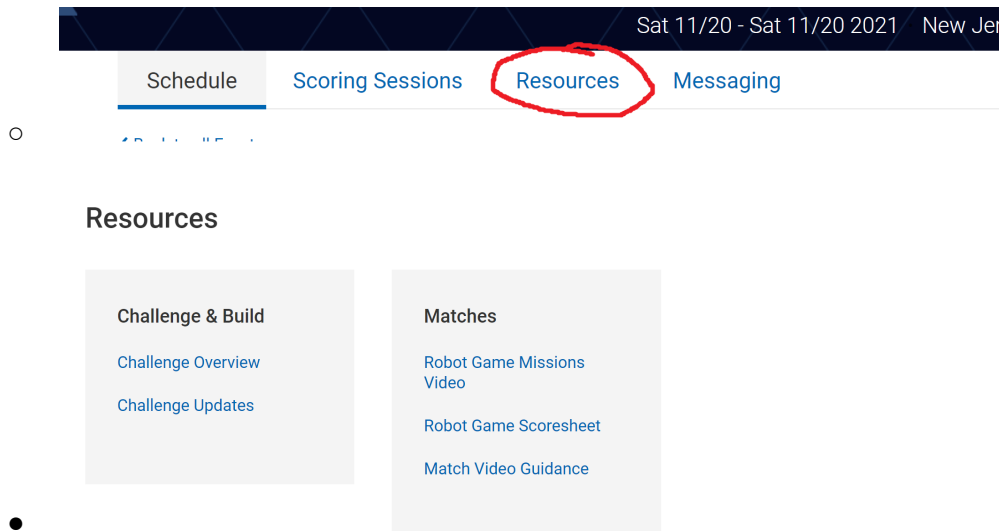
- Please submit your team's evaluation/scoring for each of your robot runs
- Runs will not be scored until a team submits their self-scored scoresheet
 - This makes easier for a referee to verify scoring/resolve any scoring discrepancies
- The scoring tool linked below is the same one being used by the tournament referees. Please use this scoresheet
 - <https://remotehub.firstinspires.org/scoresheet>
 - We suggest printing the completed scoresheet to a pdf file and submitting that file
- NOTE: For Gracious Professionalism, the default score is a "3 - Accomplished"

After the Robot Game

- Make sure that at the end of the Robot Game, you review each mission and do a close up. This will impact the ability of the Refs to score missions properly. (The camera angle makes it difficult to see the results of some missions)
 - **Remember: If a ref can't see it, the ref can't score it.**

Remote Event Hub

- Link: <https://remotehub.firstinspires.org>
- Links for the challenge are accessible directly through the REH



Revision History

Version	Date Issued	Revision History
1	Oct 25, 2021	Initial Issue
2	Nov 3, 2021	<ul style="list-style-type: none">• Add Revision History section• Change details for M10 Sorting Center to align with Challenge Update issued on Oct. 21st (Update 11)• Added section for M08 to remind folks to start with the M08 Cargo in Home