2020 Robofest Online World Championships
ROWC Game Rules

Fri, Oct **9**   Jr. Game, GolfBowl (Max 35)
Sat, Oct **10**   Sr. Game, GolfBowl (Max 35)

**Final Version released on Fri July 31, 2020, at 9am ROWC Kick-Off Day
Revised on Aug 19**

Rule Documents to Review

This document -- specific detailed rules added or revised for ROWC GolfBowl Game competition

General Rules Document

http://www.robofest.net/images/1920/General2020RulesFinal.pdf

Official 2020 GolfBowl Game Rules document

https://www.robofest.net/images/1920/GolfBowl2020_Final.pdf

How to Manage, Judge, & Decide Winners for Game

- Jr and Sr competitions will have totally different UTFs

- Team ID sign needed

- Team & robot intro time before unveiling challenges for special awards decided by Robofest office staff

- Need to check playing field setup before the official runs

- Each location must have **location judges** to proctor & prevent unauthorized activities. See next slides

- No impounding robots needed. We run all at the same time for each round

- Translators are allowed where needed

- Robofest reserves the right to make judgements and score adjustments based on review of team submissions

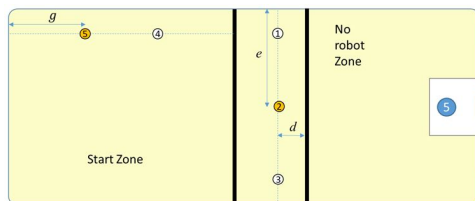# Qualification & Roles of Location Judges for Game Style

- Location Judges (LJ) must complete and sign the Pre-Event Checklist, show it during check-in and submit with the official scores
- LJ must sign a pledge document and recite the pledge during the opening ceremony
- LJ needs to be a person who does not have any direct relation to the team and approved by the National Director
- LJ must attend Zoom training

Qualification & Roles of Location Judges for Game Style

- LJs are to proctor & prevent unauthorized activities
- LJ will score each round and submit the official scores
- LJs are responsible for capturing a video of each run for score verification, uploading it to a video sharing platform and sending the link to Robofest
- The video must show our identifiable Zoom screen & sound in the beginning & the end for us to verify whether the video was taken during the official time
- The videos must be uploaded and links must be sent within 1 hour of the end of the competition
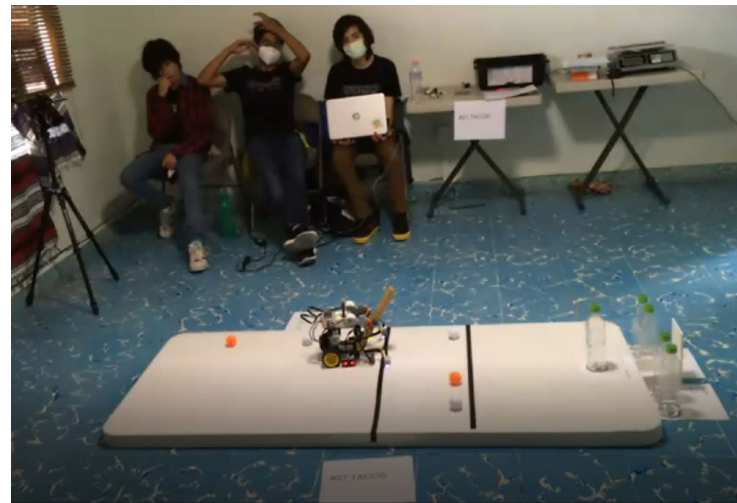
Playing Field Set Up

Team Table

No robot Zone

Hole-slot

Start Zone

Camera

Bottles on the right of table

Common Camera View

Set up so camera positioned as shown with the Game table in the foreground and team pit area is visible in the background, and space for team to stand between for intro

Pre-Event Checklist

ROBOFEST

ROWC GolfBowl
Location Head Judge (LHJ) Pre-Event Checklist

LHJ* is required to PRINT THIS CHECKLIST and check off each item before logging in to the Webinar on event day. During Check-in, show this completed and signed sheet to LTU Staff.

*You must be registered as a Judge for the Event and and ZOOM Webinar via the Google Form link

Prior to Event (check each item with a heavy mark so it is visible on camera):

- ❏ Read and understand 2020 GolfBowl Rules and ROWC GolfBowl Rules Updates
- ❏ Download and print the following items:
    - ❏ Paper Scoring Form (Print at least 2):
      https://robofest.net/2020/GolfBowl_Scoresheet_kickoff.pdf
    - ❏ Proctor Violation Report: https://robofest.net/images/20172018/PDFS/Proctor_Forms.pdf
- ❏ Prepare GolfBowl Game Field (see section 2 of the rules) Check each item:
    - ❏ 1 Table on the floor
    - ❏ Weight of 4 bottles must be 75 grams (+/-1) (If determined by reviewing the video that the bottles are too light, the team may lose points or be disqualified)
    - ❏ Weight of a full water bottle must be approx. 524 grams
    - ❏ Electrical Tape must be smooth with no loose tape on the edges
        - ❏ Distance of *No Robot Zone* line & table edge near the hole slot must be 55 cm
        - ❏ Distance between two black lines must be 30 cm
    - ❏ Left and Right Templates are attached to the Hole-Slot and are on the floor centered with the table
    - ❏ Center Template centered and attached to the table
    - ❏ Height of Hole-Slot side walls equal to or or lower than table top height--->
    - ❏ Prepare: pencil, clipboard, measuring tape (at least 55 cm), ball markers (reinforcement stickers), tripod (optional)
- ❏ Prepare Zoom Webinar device (Laptop, Tablet or Phone)
    - ❏ stable internet connection
    - ❏ battery fully charged
    - ❏ camera accessible
    - ❏ set up so 1) camera is ready for initial team presentation 2) camera can move to team pit area for work time and 3) camera can move to competition table for rounds
    - ❏ microphone/speakers (test volume, mute/unmute)
- ❏ Prepare Video & audio recording device
    - ❏ battery fully charged
    - ❏ enough memory storage

Prior to Check-In on Event Day:

- ❏ Confirm Recording Judge has the recording device with battery memory storage
- ❏ Confirm Coach has printed team sign and has it ready to show
- ❏ Confirm Coach has received Consent Form (online or hard copy) for each participant
- ❏ Check Robot Size w/l/h maximum 50x50x50 cm including expansion (the swing of the putter)
- ❏ Check Robot has "Front" label
- ❏ Inspect Robot for any illegal materials (see sections 11 and 12 of rules)
- ❏ Assemble Judges and Team (with robot) to prepare for Zoom Webinar Check-in

This form can be accessed at Game page

Tentative Schedule for Game (35 teams)

- Zoom check-in for Location Head Judges. Microphone and camera will be tested for each team. Pre-event checklist will be verified as complete. (30 min)
- Opening (15 min)
  - LTU remarks by video
  - Rules; Introduction of Location Judges; Judge's oath
  - Announcements such as presentation order
  - Contestant pledge
- Team & robot introduction (1 minute for each team, 1.5x35 = 53 min)
- Unveiling UTF, **1st Round** (5 min)
  - 30 min Worktime (Check Playing Fields)
  - 1st Round after checking field setup & robot dimensions by LHJ (10 min)
- Unveiling UTF, **2nd Round** (5 min)
  - 30 min Worktime (Check Playing Fields)
  - 2nd Round after checking field setup & robot dimensions by LHJ (10 min)
- Closing (2 min)   [Total: 3 hr 10 min]