Challenge Competition Scoresheet

udge Name:	Date:
Геат:	

A team's score will be totaled for the BEST COMBINED SCORE for all challenges completed within the allotted time.

For Example:

- LPV successfully leaves dock and completes Challenge #1
- LPV returns to dock (autonomously or with intervention)
- LPV has team intervention at the dock to modify code or equipment.
- LPV is deployed to complete another challenge of their choosing (Challenge #3)
- LPV completed a challenge (Challenge #3)
- LPV returns to dock (autonomously or with intervention)
- All Challenges successfully completed will be combined for total score.

1 hour will be provided to each team to attempt to complete as many challenges as possible. Team's will not be penalized for prior team's delaying the beginning of their time slot. Judges will have the final determination on "stopping the clock" during a run to make any modifications to the course that will not penalize a team.

Teams are permitted to return to the dock to modify their device or code during the competition run for no penalty.

Completion of Challenge #1 is required to record a score to competition.

If 20 minutes is attempted to complete a Challenge #1 without success, teams are permitted to continue to other tasks for an exhibition run. This exhibition run will not result in a competition score but allow teams to attempt the other challenges.

Any human intervention of remote-control intervention to complete challenge tasks may result in a deduction of points.



Water Line Validation: Is water line within or above the "Orange Band" on the LPV prior to competition run

0 pts

5 pts

5 pts

5 pts

5 pts

5 pts

0 pts

Nο

(-)2 pts

No

No

Yes

Yes

Yes

5 pts

5 pts

5 pts

10 pts

15 pts 15 pts

15 pts

15 pts

15 pts

10 pts

15 pts

15 pts

15 pts

15 pts

Yes

10 pts

25 pts

No

Task 1-4 Total

Correct

Yes

Yes

Successful

1 Gate Navigation

2 Slalom Run

Record

3 Game of Rings

Record

4 Pick a Color

Successfully Left Dock Untethered

Autonomous Navigation between Challenges

Start Time "Entry"

Start Time "Entry
Exit Time

Autonomous Navigation between Challenges

Autonomous Navigation between Challenges

Autonomous Navigation between Challenges

Exit Time

Correct Buoy Navigation (right or left)

Successfully Entered Gate

Successfully Exited Gate

Contact with buoy(s) #

Contact with buoy(s) #

Time Bonus

Fastest Time

Time Bonus
Gate C-D
Time

Fastest Time

Color Specified X

Random Selection Bonus

Purple

Orange

Yellow

Blue

Ring Collected Correctly 1

Gate A-B

Time

_(-30 pts) 5 Sensor Deployment Yes No Sensor Successfully Deployed 10 pts 0 pts Yes No Autonomous Navigation between Challenges 10 pts 0 pts 6 Shore Deployment No Yes Object Deployed 15 pts 0 pts Object Reached Shore 10 pts o pts Object Fully out of water 10 pts 0 pts Object remained on shore 10 pts 0 pts Yes Autonomous Navigation between Challenges 10 pts 0 pts 7 Search & Rescue Yes No Object Identified & Contacted 10 pts 0 pts Object Tethered to LPV 10 pts 0 pts Object Removed from Water 25 pts 0 pts Object delivered to Dock 20 pts 0 pts Yes No Autonomous Navigation between Challenges 10 pts 8 Sensor Communication Yes No Sensor Communicates with Base 20 pts 0 pts Data Provided to Judges 10 pts 0 pts **Total Time Bonus** Complete a minimum of 4 challenges Total Scoring Run Time Number of Challenges Completed Average Per-Task Time Fastest Time Yes 60 pts Fastest Time No Fastest Time x 60 Your Time 60 Task 5-8 & Time Bonus Total Task 1-4 Total

Human Remote Intervention

(-)5 pts

Total