



Challenge Competition Scoresheet

Judge Name: _____ Date: _____

Team: _____

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. Teams 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 No _____ (-30 pts)

1 Gate		Yes	No							
Successfully Left Dock Untethered		<input type="checkbox"/>	5 pts	<input type="checkbox"/>	0 pts					
Successfully Entered Gate		<input type="checkbox"/>	5 pts	<input type="checkbox"/>	0 pts					
Successfully Exited Gate		<input type="checkbox"/>	5 pts	<input type="checkbox"/>	0 pts					
Contact with buoy(s) #	<input type="text"/>	X			(-2 pts)					
Task completed Autonomously		Yes	No							
GPS Agnostic		<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts					
IR/Radar Guidance		<input type="checkbox"/>	5 pts	<input type="checkbox"/>	0 pts					
Autonomous Navigation between Challenges		<input type="checkbox"/>	5 pts	<input type="checkbox"/>	0 pts					
2 Dodge		Yes	No							
Correct Buoy Navigation (right or left)	1	<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts					
	2	<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts					
	3	<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts					
	4	<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts					
Contact with buoy(s) #	<input type="text"/>	x			(-2 pts)					
Time Bonus										
Gate A-B	Time		<input type="text"/>							
Record	Start Time "Entry"									
	Exit Time									
	Fastest Time	Yes	No							
		<input type="checkbox"/>	15 pts	<input type="checkbox"/>	0 pts					
Task completed Autonomously		Yes	No							
GPS Agnostic		<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts					
IR/Radar Guidance		<input type="checkbox"/>	5 pts	<input type="checkbox"/>	0 pts					
Autonomous Navigation between Challenges		<input type="checkbox"/>	5 pts	<input type="checkbox"/>	0 pts					
3 Evade		Yes	No							
LIDar Sensor Evaded	1	<input type="checkbox"/>	15 pts	<input type="checkbox"/>	0 pts					
	2	<input type="checkbox"/>	15 pts	<input type="checkbox"/>	0 pts					
Time Bonus										
Gate C-D	Time		<input type="text"/>							
Record	Start Time "Entry"									
	Exit Time									
	Fastest Time	Yes	No							
		<input type="checkbox"/>	15 pts	<input type="checkbox"/>	0 pts					
Task completed Autonomously		Yes	No							
GPS Agnostic		<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts					
IR/Radar Guidance		<input type="checkbox"/>	5 pts	<input type="checkbox"/>	0 pts					
Autonomous Navigation between Challenges		<input type="checkbox"/>	5 pts	<input type="checkbox"/>	0 pts					
4 Identify		Correct								
Color Specified	X	Yes	No							
Purple		<input type="checkbox"/>	15 pts	<input type="checkbox"/>	0 pts					
Orange		<input type="checkbox"/>	15 pts	<input type="checkbox"/>	0 pts					
Yellow		<input type="checkbox"/>	15 pts	<input type="checkbox"/>	0 pts					
Blue		<input type="checkbox"/>	15 pts	<input type="checkbox"/>	0 pts					
Random Selection Bonus	<input type="checkbox"/>	Yes	No							
Successful	<input type="checkbox"/>		25 pts							
Task completed Autonomously		Yes	No							
GPS Agnostic		<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts					
IR/Radar Guidance		<input type="checkbox"/>	5 pts	<input type="checkbox"/>	0 pts					
Autonomous Navigation between Challenges		<input type="checkbox"/>	5 pts	<input type="checkbox"/>	0 pts					
5 Deploy		Yes	No							
Sensor Successfully Deployed		<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts					
Task completed Autonomously		Yes	No							
GPS Agnostic		<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts					
IR/Radar Guidance		<input type="checkbox"/>	5 pts	<input type="checkbox"/>	0 pts					
Autonomous Navigation between Challenges		<input type="checkbox"/>	5 pts	<input type="checkbox"/>	0 pts					
6 Launch		Yes	No							
Object Deployed		<input type="checkbox"/>	15 pts	<input type="checkbox"/>	0 pts					
Object launched approximately greater than 10' from target		<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts					
Object Reached Target		<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts					
Object Landed in Center Section		<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts					
Object Landed on Rim		<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts					
Object remained on target following landing		<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts					
Task completed Autonomously		Yes	No							
GPS Agnostic		<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts					
IR/Radar Guidance		<input type="checkbox"/>	5 pts	<input type="checkbox"/>	0 pts					
Autonomous Navigation between Challenges		<input type="checkbox"/>	5 pts	<input type="checkbox"/>	0 pts					
7 Recover		Yes	No							
Object Identified & Contacted		<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts					
Object Tethered to LPV		<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts					
Object Removed from Water		<input type="checkbox"/>	25 pts	<input type="checkbox"/>	0 pts					
Object delivered to Dock		<input type="checkbox"/>	20 pts	<input type="checkbox"/>	0 pts					
Task completed Autonomously		Yes	No							
GPS Agnostic		<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts					
IR/Radar Guidance		<input type="checkbox"/>	5 pts	<input type="checkbox"/>	0 pts					
Autonomous Navigation between Challenges		<input type="checkbox"/>	5 pts	<input type="checkbox"/>	0 pts					
8 Receive		Yes	No							
Sensor Communicates with Base		<input type="checkbox"/>	20 pts	<input type="checkbox"/>	0 pts					
Data Provided to Judges		<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts					
8 Return		Yes	No							
LPV returned to base		<input type="checkbox"/>	10 pts	<input type="checkbox"/>	0 pts					
Total Time Bonus		Yes								
Complete a minimum of 4 challenges	<input type="checkbox"/>									
Total Scoring Run Time	<input type="text"/>									
Number of Challenges Completed	%		<input type="text"/>							
Average Per-Task Time	<input type="text"/>									
Fastest Time	Yes		<input type="text"/>		60 pts					
Fastest Time	No		<input type="text"/>							
Fastest Time	x 60 = Bonus									
Your Time	<input type="text"/>									
	x 60 =		<input type="text"/>							
Task 6-9 & Time Bonus		Total								
Task 1-5		Total								
Human Remote Intervention	#	<input type="text"/>	X	<input type="text"/>	(-5 pts)					
Total										