



2025 Product Demonstration Company Briefing

This briefing will go over some of the information your company may need to know regarding your product demonstration runs. More information on the tasks is available in the competition manuals and Official Rulings document.

NEW for 2025!!!

Weight measurements will be done during safety inspections. Set up your ROV on a scale and one of the safety inspectors will note the weight. They will affix a sticker label to your blue card with your weight points. This will count for both product demonstration runs. Your product demonstration judges will add your weight score onto each of your product demonstration scores.

Be on time: Everyone has a schedule. Be at your engineering presentation room 5 or 10 minutes prior to your presentation. Be ready to go 10 or 15 minutes prior to your product demonstration run. Judges will not wait for you if you are late – your set up time may start whether you are there or not.

Missing your run: If your vehicle is not functioning and you cannot make your product demonstration run, send a company member to inform the pool deck coordinator that you are not showing up. Please let us know.

Communicate with the station judges. Let the judges know what task you are working on. If you have multiple video monitors, let the judges know what monitor is doing the active mission. The more information you give your judges, the easier it will be for them to score you properly. If you think you have completed a mission, ask the station judge. This is especially important if more than one thing is going on at once. If the ROV is completing one task, the float data is being received, and another team member is creating the invasive carp model, let the judge know. There are three judges per mission station this year, so everything should be covered. Make sure to quickly identify which judge is evaluating which task, and communicate to the judges which team members will be doing which additional tasks (float data, 360 photosphere, invasive carp modeling). The better you communicate with the judge, the more smoothly everything will go.

No tasks can be done after the 15-minute time period. All the tasks must be done within the 15-minute mission time. That includes creating the invasive carp model, graphing float data, and creating the 360 photosphere. If the judges do not see the finished product by the end of the 15-

minute mission time, you will not receive points for it. This goes back to communicating with the judges. If you do not communicate the fact that you finished a task, you may not be scored for it. The judge should tell you when you have received points for something. If not, ask. Point out you have completed a task to the judge and whether it is sufficient.

Companies must have passed safety inspection. All companies MUST have their blue, passed safety card. You will get these from the safety inspectors when you pass safety inspection. If you do not have this, you do not get into the water. No exceptions. If you do not have it, you need to retrieve it. Time will not stop while you are retrieving your card. 5-minute setup time.

Your blue passed safety card will also have sticker labels on it for what you are approved for (fluid power, float) as well as your weight score.

Companies have 5 minutes to set up. Companies may put their vehicles into the water and test power/motors/etc. ROVs cannot descend and check out the missions during set up; they should go no deeper than 0.5 meters. Companies must start at the surface, side of the pool. If a company does not finish setting up within 5 minutes, their mission time starts. They can continue setting up and/or repairing their vehicle during mission time. If a company finishes setting up early, they do not get additional mission time. They can choose to start early, or they can wait until their 5 minutes is up.

15-minute product demonstration time. Companies have 15 minutes to complete all the mission tasks. The judges will award points as you accomplish tasks. When the mission time ends, you receive points for the tasks that you have accomplished but cannot receive any additional points. Likewise, you can no longer receive penalty points after the mission time ends. If your ROV breaks down, and you want to avoid penalty points for diver assistance or pulling on the tether, ask the judge to end your mission run.

5-minute demobilization time: After the mission run, Companies have 5 minutes to pack up and exit the station. The judges may need the CEO to remain a bit longer to confirm points, but the rest of the company and their equipment should be moved out of the area. Companies can exit down the ramp and wait for the CEO to finish up.

Time bonus: To receive a time bonus, companies must have completed all the tasks perfectly and have received no penalty points.

PRODUCT DEMONSTRATIONS

Order of tasks. Companies can start with any part of any of the three tasks. Companies can go back and forth between the tasks as desired. A few tasks logically have to be done in order. For example, companies need to remove the damaged thermistor before they can install the new one.

Launching Through the Hole: Companies must launch their vehicle through the 1-meter x 1-meter hole. When your ROV is in the water, the tether must be through the hole for the entire product demonstration run. All items must be retrieved and deployed through this hole.

Distance to water: Note that companies will need to lift their ROV over the wall and lower it down to the water. The water level could be 45 cm below the wall. When retrieving items from the pool, companies will have to lift their ROV up out of the water and over this wall. If a mission item falls off during lifting, it is not considered recovered.

After the mission is complete: The CEO will go over scores with judges. The judge will let you know what you got points for. Then CEO signs and judge signs. Once you sign, there is no arguing later about scores. IF YOU THINK THE JUDGE DID NOT GIVE YOU POINTS FOR SOMETHING YOU DID – DEAL WITH IT RIGHT THEN! YOU CANNOT COME BACK LATER. LET THE JUDGES KNOW YOU DISAGREE AND STATE YOUR CASE. IF NEED BE, THE HEAD RULES JUDGES CAN BE BROUGHT IN. But overall, the judge should score your company, and tell you when you were successful, during the mission.

If you have specific questions about mission tasks or mission props, all questions will be answered during the onsite product demonstration briefing. This will take place after opening ceremonies in the theatre at the GLMHC.

Good luck to all.