

2021 MATE international ROV Competition INFORMATION ABOUT WORKSTATIONS AND SAFETY INSPECTION PROTOCOL

Workstations:

- Workstations will be located in the ETSU CPA Basketball Courts. Companies will be assigned to a table.
- Companies will receive a map of the gym layout in their team folder.
- **NOTE:** Mentors and parents are permitted in the workstation areas. However, all work on the ROV must be done by the student team members. Mentors and parents are welcome to play an advisory role, but only the students should be hands-on.

Safety inspection protocol:

- Safety inspections will take place on Tuesday and Wednesday after your company's scheduled check in at the ETSU Culp Center. Safety inspections will continue on Thursday morning before and after the opening ceremonies. Companies must complete their first safety check prior to the opening ceremonies. For Thursday afternoon, safety inspections will move from the Culp Center to the ETSU CPA Basketball Courts. At the CPA, safety inspections will take place at repair station / power up station near the team workstations in the basketball courts area.
- Companies must bring their ROV and all equipment, including all controls, pumps, tanks, and other support equipment, to the inspection. Any items that do not go through safety inspection cannot be used during the product demonstration runs. No exceptions.
Companies must also have paper copies of their SIDs (including any Non-ROV Device SIDs) and company safety review.
- All safety checks will be powered safety checks. Companies will plug into a MATE power supply for their safety check.
- **NOTE:** Any support carts being used to transport ROVs and equipment to/from safety inspections and to/from the pool deck must be 32" or narrower. This will allow the carts to clear any potential obstacle.
- Companies will receive their safety inspection score sheet in their folder at check in. Companies should present their safety inspection score sheet to inspectors when they enter the safety inspection room.
- If a company passes its first inspection, the inspectors will sign off and stamp the inspection sheet PASSED and present the company with a blue SAFETY card to indicate that they have

passed inspection and are cleared for the water. If the company fails its first inspection, the issues will be noted and the company will lose 10 points. The safety inspection judges will return their safety inspection score sheet, with comments, to the company. The company will need to address the issues before returning for a second safety inspection.

- Second safety inspections will take place at the CPA on Thursday before and after the opening ceremonies. Alternatively, safety inspectors may suggest that the company address the issues and return to the safety inspection room at the Culp Center during an open time slot on Tuesday or Wednesday.
- Companies returning for their second safety inspection should present their safety inspection score sheet when they approach the safety inspectors. If the issues noted on the sheet have been addressed, inspectors will sign off and stamp the inspection sheet PASSED and present the company with a blue SAFETY card. If the issues have NOT been addressed or if additional issues are discovered during the second inspection, inspectors will return the safety inspection score sheet to the company. The company will need to address the issues and attempt their final safety check at the Aquatic Center.
- If a company fails its final (third) safety inspection, that company will not be permitted to compete in the product demonstrations. The company can participate in its engineering presentation and marketing display.
- **NOTE:** Safety inspection score sheets of those companies that have PASSED the inspection will remain with the safety inspectors. The inspectors will submit the sheets to the official score keepers.
- The blue SAFETY card is important. Companies must present the blue SAFETY card to the official each time they enter the practice area or product demonstration station. **The blue SAFETY card is your ROV's entry into the water; you will not be permitted to place your vehicle in the water without it.** When you exit the practice area or product demonstration station, remember to take your blue SAFETY card with you.
- **If for any reason a company has not passed its safety inspection before its scheduled engineering presentation, the team should proceed to its scheduled engineering presentation.** Companies do not need to pass their safety inspection in order to present their vehicle to the engineering presentation judges.
- **DISQUALIFICATION:** MATE takes safety seriously, but is not out to fail companies or prevent them from competing. Any issues found by the inspectors will be accompanied by suggestions on how to fix the problem. Before a company fails its third and final inspection, the safety inspectors will request the participation from the MATE head judge(s) to review the final inspection.

- **NOTE:** NAME BADGES MUST BE WORN AT ALL TIMES BY ALL COMPANY MEMBERS (STUDENTS AND MENTORS). Students without name badges will not be permitted to participate in the product demonstration run or engineering presentation. Mentors can attend the safety inspections but are not to interact with the safety inspectors during the inspection. Comments will only be given to the students.