2026: Pushing Performance: Science, Technology, Discovery In Harsh Environments

PIONEER CLASS SCORE SHEET
World Championship - OEB Wave Tank

Company CEO: _____

Product demonstration station officials: _____

Company Name

Safety		
Check here if the company has their PASSED safety inspection card **Companies without their safety inspection PASSED card cannot participate in the product demonstration.**		
Check here if tamper seal on fuse is still intact **Companies with a broken tamper seal on their fuse must see the safety inspectors before their ROV enters the water.**		
Check here if the company presented you with a JSEA (Jobsite Safety Environmental Analysis)	JSEA Points 0 5	
Check here if vehicle matches photo taken at safety inspection **Companies must use the same vehicle, float, and other devices that went through the safety inspection.**		
Total Safety (out of 5)		**Total**

Organizational and Operational Effectiveness (up to 10 points)	Points	
Up to 4 points - Teamwork/Collaboration & Communication		
Chain of command evident	0 1	
Roles clear and executed well	0 1	
Composure under pressure	0 1	
Supportive of each other and communicate well with each other	0 1	
Up to 2 points - Project Management		
Task plan is well thought out to maximize score	0 1	
Alternate plans available and all team members are aware of the plan	0 1	
Up to 2 points - Problem Solving & Ability to Deal with Obstacles		
Awareness of time	0 1	
Adjusting timeline to adapt to situations	0 1	
Up to 2 points - System Design & Control/Electrical		
ROV deployed by the end of the 5-minute set-up period	0 1	
ROV is under control of pilot and prepared to perform tasks	0 1	
Total Organizational and Operational Effectiveness (out of 10)		**Total**

Fuses: ROV systems are allowed one replacement fuse during the product demonstration. In the event that the ROV system blows the second fuse during the demonstration, time will stop, the demonstration run will be over, and no additional points will be earned. Companies should have adequate replacement fuses on hand, MATE will not provide replacements.

Task # 2: SmartAtlantic (up to 80 points)	Points		
2.3 up to 20 points – Testing Whale Safe Fishing Gear			
10 points – turn handle to simulate acoustic release of the retrieval buoy	0	10	
up to 10 points – recover the lobster pot to the surface, side of the pool			
5 points – recover the lobster pot off the bottom	0	5	
5 points – return the lobster pot to the surface, side of the pool	0	5	
2.4 up to 15 points – Recover the Buoy Anchor			
10 points – attach a recovery line to the buoy anchor	0	10	
5 points – return the line to the surface, side of the pool	0	5	
2.5 up to 45 points – Service the Holyrood Subsea Observatory			
up to 15 points – recover the old eDNA sensor			
5 points – recover the old sensor to the surface, side of the pool	0	5	
10 points – analyze the sensor's data to determine the percent frequency	0	10	
up to 20 points – install a new eDNA sensor			
10 points – place the new eDNA sensor in the designated area	0	10	
10 points – connect the new eDNA sensor to the Holyrood subsea observatory	0	10	
10 points – remove biofouling from the Holyrood subsea observatory camera	0	10	
			Total
		Total Task # 2 (out of 80)	

Task # 3: *Wind-Powered Offshore Oil Platform* (up to 60 points)	Points		
3.1 up to 30 points – Micropile Installation			
10 points – place a bubble curtain device around the micropile designated location	0	10	
10 points – guide a micropile to the designated location	0	10	
10 points – pull a pin to release the micropile	0	10	
3.2 up to 30 points – Powering an Oil Platform From a Wind Farm			
5 points – retreive the power connector from the wind farm subsea station	0	5	
10 points – lay the power connector cable through a waypoint	0	10	
5 points – remove the cover from the oil platform	0	5	
10 points – install the power connector into the oil platform port	0	10	
			Total
		Total Task # 3 (out of 60)	

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Penalty Points (deduct 5 points for each infraction)	No. of Infractions
Safety: Product demonstration officials may deduct points for safety violations. Minor violations are a 5 point penalty. Major violations may be 10 or more points. Product demonstration officials may also disqualify a company for extreme safety violations. **Note: An official's decision to disqualify a company due to safety concerns is final. If there is a safety concern, please contact the lead safety inspector or competition coordinator.**	
Tether Pulling: Company members cannot pull on the tether to assist in moving or turning the vehicle. Judges should issue a warning for the first infraction and begin deducting points AFTER the first infraction.	a
Illegal communication: Company members at the side of the pool may not communicate visual evidence of the ROV status such as location of vehicle, need to turn, that the vehicle is stuck, etc.	b
Debris: Companies that leave debris (e.g. parts of their ROV, including weights and flotation) in the pool at the end of the product demonstration time, or leave debris that a diver must retrieve will receive penalty points. Mission props deployed into the pool **ARE NOT** considered debris. Unless otherwise noted, mission items to be recovered or replaced **ARE** considered debris. A company constructed collection basket is considered debris if it is still in the water, not under control of the ROV, when product demonstration time ends.	c
Diver Assistance: Any diver assistance (if available) must be requested by the company and will result in a 5 point penalty. The clock does not stop during diver assistance.	d
Total Penalty Points	(total a + b + c + d) plus safety violations **X 5 =**

Total

TIME BONUS (1 point for every minute and 0.01 point for every second under 15 minutes)

Duration of Product Demonstration: _____

Minutes under 15 remaining: _____ X 1 point = _____

Seconds remaining: _____ X 0.01 point = _____

Time bonus

Total

Grand Total

TOTAL PRODUCT DEMONSTRATION SCORE

Official's initials: _____

Company CEO's initials: _____