

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

**SCOUT CLASS SCORE SHEET
REGIONAL**

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.

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 # 1: Seabed 2030: A Kaleidoscope of Corals in Cold Water (up to 30 points)		Points		
1.1 up to 20 points – Collect species from a coral garden				
5 points each, 10 points total – collect two basket stars		0	5	10
5 points each, 10 points total – collect two coral species		0	5	10
1.2 up to 10 points – Fly a transect over the coral garden				
10 points – fly a transect		0		10
Total Task # 1 (out of 30)				Total

Task # 2: SmartAtlantic (up to 90 points)		Points		
2.1 up to 10 points – Mitigate Invasive Species				
5 points each, 10 points total – recover two European Green crabs		0	5	10
2.2 up to 35 points – Iceberg Tracking				
up to 20 points – survey the iceberg at two locations around its perimeter				
10 points each, 20 points total – survey the iceberg at two locations		0	10	20
up to 15 points – use the location and heading to determine the threat level of the iceberg to the four area oil platforms				
15 points – correctly report the threat level to all four platforms				
10 points – correctly report the threat level to only three platforms		0	5	10
5 points – correctly report the threat level to only two platforms				
2.3 up to 10 points – Testing Whale Safe Fishing Gear				
5 points – turn handle to simulate acoustic release of the retrieval buoy		0		5
5 points – release the buoy to the surface		0		5

Task 2 continued on next page

2.5 up to 35 points – Service the Holyrood Subsea Observatory up to 20 points – recover the old eDNA sensor 10 points – recover the old sensor to the surface, side of the pool 10 points – analyze the sensor's data to determine the percent frequency up to 15 points – install a new eDNA sensor 5 points – place the new eDNA sensor in the designated area 10 points – connect the new eDNA sensor to the Holyrood subsea observatory	0	10	
	0	10	
	0	5	
	0	10	
Total Task # 2 (out of 90)			Total

Task # 3: Wind-Powered Offshore Oil Platform (up to 30 points)	Points		
3.1 up to 30 points – Powering an Oil Platform From a Wind Farm 10 points – retrieve the power connector from the wind farm subsea station 10 points – lay the power connector cable through a waypoint 10 points – install the power connector into the oil platform port	0	10	
	0	10	
	0	10	
Total Task # 3 (out of 30)			Total

Task # 4: MATE Floats Under the Ice (up to 50 points)	Points			
3.1 up to 50 points – Design and construct an operational vertical profiling float 5 points – prior to the competition, design and construct a vertical profiling float 5 points – deploy the float in the designated area up to 30 points – float completes two vertical profiles Up to 15 points - Vertical Profile #1 15 points – using a buoyancy engine, operating autonomously, but tethered to the surface 10 points – using a buoyancy engine, operating manually 10 points – using another mechanism, operating autonomously, but tethered to the surface 5 points – using another mechanism, operating manually Up to 15 points - Vertical Profile #2 15 points – using a buoyancy engine, operating autonomously, but tethered to the surface 10 points – using a buoyancy engine, operating manually 10 points – using another mechanism, operating autonomously, but tethered to the surface 5 points – using another mechanism, operating manually up to 10 points – MATE provided data is graphed as depth over time 10 points – graph is plotted using a computer program 5 points – graph is plotted by hand on paper	0	5		
	0	5		
	0	5	10	15
	0	5	10	15
	0	5	10	
Total Task # 4 (out of 50)				Total

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
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.	b
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.	c
Total Penalty Points	(total a + b + c) 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

TOTAL PRODUCT DEMONSTRATION SCORE	Grand Total

Official's initials: _____

Company CEO's initials: _____