SCOUT CLASS SCORE SHEET

1

ROVs in Extreme Environments: Science and Industry in the Arctic SCIENCE UNDER THE ICE SUBSEA PIPELINE INSPECTION AND REPAIR

oduct demons	tration station officials:
Safety Chec	k and Set-Up (up to 10 points total)
□ 5 poin	s - Company presents signed safety inspection sheet.
□ 5 poin	s – Vehicle and control system present no safety hazards.
Exam _l	·
0	All power cords are secured. Fuse and banana plugs are not in puddle of water.
0	Control box is closed and secured.
0	Motors are waterproofed and are protected inside the ROV.
0	No sharp objects that could injure a diver.
0	
0	·
0	All pneumatics and hydraulics are hand powered. Vehicle is hand-launched by team members in a safe manner. Instration official's notes:

Judges' Notes:

Penalty Points

Tether pulling: Issue a warning for the first infraction. Begin deducting points AFTER the first infraction.

Diver assistance: Companies will be penalized for diver assistance during a product demonstration run. Diver assistance will be provided ONLY AFTER a company requests it. During a product demonstration run, the clock will not stop for diver assistance. Companies WILL NOT be penalized for diver assistance once the product demonstration time has ended. At this time the divers will assist the ROV to the surface as part of the company's 5-minute demobilization period.

Fuses

If a vehicle blows the MATE power supply in-line fuse, the company is allowed two spares. If the vehicle blows the third MATE fuse, the product demonstration performance period is over. The company will receive points for the product demonstration tasks that they have completed up to that point but will not receive a time bonus score.

SCOUT Product Demonstration Task Scoring Breakdown: Task #1: Science Under the Ice (up to 60 points) Task #2: Subsea Pipeline Inspection and Repair (up to 60 points)

Task #1: Science Under the Ice	Scoring – up to 60 points
	te the steps of Task #1, Science Under the Ice, in any the Subsea Pipeline Inspection and Repair tasks.
1.1 5 points each (20 points total) – col	llecting and returning four samples of algae
1.2 5 points each (20 points total) – col	llecting and returning four samples of urchin
1.3 20 points – deploying the passive ac	coustic sensor in the designated area
	TOTAL POINTS FOR TASK #1

Task #2: Subsea Pipeline Inspection and Repair	Scoring – up t	o 60 p	ooints	
Judges' Notes: Companies must complete the steps of Task # to skip a step and continue, but cannot come back and complete alternate between this and the Science Under the Ice tasks.				
2.1 10 points – turning the valve to stop the flow of oil through	the pipe		<u> </u>	
2.2 10 points – removing the corroded section of pipe from the	pipeline			
2.3 10 points – returning the corroded section of pipeline to the	surface			
2.4 20 points – installing a new section of pipe into the pipeline)			
2.5 10 points – turning the valve to start the flow of oil through	the pipe			
TOTA	L POINTS FOR	TASI	K #2	
SAFETY SCORE (from page 1)		0	5	10
PENALTY POINT DEDUCTIONS				
*Illegally pulling tether infractions X - 5				
**Diver assistance infractions X - 5				
TIME BONUS				
1 point for every minute and 0.01 point for every second under 1	5 minutes			
Duration of Product Demonstration:				
Minutes under 15 remaining: X 1 point =	_			
Seconds remaining: X 0.01 point =	_			
Time bonus				
TOTAL PRODUCT DEMONSTRATION SCORE				

Official's initials: Company CEO's initials:
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