



Sea-TF: In-person Flag Challenges

Hack-A-Ship: Propulsion Control Attacks (Available 8/6/2021)			
Flag Name	Description	Validation	Points
YOU GO GO	Override the Throttle to force the actuator to the idle throttle position	Visual inspection that the throttle stations no longer have control of the throttle actuator and the actuator is in the IDLE position	150
YOU NO GO	Override the Throttle to force the actuator to the Full FWD or Full REV throttle position	Visual inspection that the throttle stations no longer have control of the throttle actuator and the actuator is in the FULL position	175
YOU GO BACKWARDS NOW	Override the Electronic Shift Controller to force the engine to shift from FWD to REV with a throttle of between 70% and 80%	Visual inspection that the shift indicator lights are alternating between FWD and REV while the actuator between 70 % and 80% as shown on the throttle control unit	250
I HAZ UR GO	Demonstrate Arbitrary Throttle Control	Visual inspection that the Throttle actuator is being commanded by player	210





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Hack-A-Ship: Steering Control Attacks (Available 8/6/2021)			
Flag Name	Description	Validation	Points
EVERGIVEN PT 1	Override the Joystick and set the Rudder to -30 °	Visual inspection of the Rudder	225
EVERGIVEN PT 2	Override the Joystick and set the Rudder to 30°	Visual inspection of the Rudder	225
ALL AHEAD	Force the Rudder to the center	Visual inspection of the Rudder	250





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Hack-A-Ship: Navigation Control Attacks (Available 8/6/2021)			
Flag Name	Description	Validation	Points
I'M THE CAPTAIN NOW...	Demonstrate that the Autopilot can be engaged over NMEA2000	Visual inspection that the Autopilot has been engaged on a heading	150
I'M THE CAPTAIN NOW... PT 2	Demonstrate that the Player can set the commanded Heading	Visual inspection that the Autopilot has been heading setpoint has been changed	195 *BONUS* if you can set the Heading between 265° and 285° +165 points
DID'NT WE DO THIS ALREADY	Demonstrate Arbitrary Rudder Control	Visual inspection that the rudder is being commanded by player	175
DO A BARREL ROLE	Affect the Pitch and Roll Data as Displayed on the ECDIS	Visual inspection of the Heading value displayed on the ECDIS	155 *BONUS* if you can set the Pitch between 80° and 100° + 50 points *BONUS* is you can set the Role between 40° and 60° +50 points
WHERE'D HE GO?	Affect the Position Data as Displayed on the ECDIS	Visual inspection of the Position displayed on the ECDIS	185 *BONUS* if you can set the position +/- 1° to 36.1699°N, 115.1398°W +125 points
WHERE'D WHO GOOOO???	Create a spoofed AIS contact that is displayed on the ECDIS	Visual inspection that an AIS contact is being reported	250
OVERBOARD	Create a MOB message to be displayed on the ECDIS	Visual inspection that a MOB alert has been triggered	300
GHOSTS IN THE NET	Create a spoofed sensor not found on the Grace Navigation Console and have	Visual inspection of a "new" sensor on the ECDIS and	350





	the ECDIS being report its data	data is being shown	
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