

Malfunction Matrix for Items Discovered During Pre-departure Function Test

Malfunction Type	High/Low Priority	Potential Solution	Action if Malfunction Not Resolved
Monitor	High	Connect a different monitor	Vessel operator must remain in port up to 72 hours to allow for repairs. After 72 hours, vessel operator may depart on trip and next trip is selected for EM coverage. Repair must occur prior to departing on the next trip.
Rotation Sensor	Low	Carry spare rotation equipment. Follow troubleshooting guidance	Vessel operator may depart on trip, but must trigger video manually. Must contact EM service provider before departing on another trip.
Hydraulic Sensor	Low	Restart system. Follow troubleshooting guidance	Vessel operator may depart on trip, but must trigger video manually. Must contact EM service provider before departing on another trip.
Rotation and Hydraulic Sensor	High	Restart system. Follow troubleshooting guidance	Vessel operator must remain in port up to 72 hours to allow for repairs. After 72 hours, vessel operator may depart on trip but must trigger video manually and next trip is selected for EM coverage. Repair must occur prior to departing on the next trip.
GPS	High	Restart system	Vessel operator must remain in port up to 72 hours to allow for repairs. After 72 hours, vessel operator may depart on trip and next trip is selected for EM coverage. Repair must occur prior to departing on the next trip.
Keyboard/Mouse	Low	Replace with another keyboard/mouse	Vessel operator may continue fishing provided that the sensors are properly triggering automatic recording
Insufficient Storage	High	Replace with spare data drive	Vessel operator must remain in port up to 72 hours to allow for repairs. After 72 hours, vessel operator may depart on trip and next trip is selected for EM coverage. Repair must occur prior to departing on the next trip.
Control Center	High	Restart system	Vessel operator must remain in port up to 72 hours to allow for repairs. After 72 hours, vessel operator may depart on trip and next trip is selected for EM coverage. Repair must occur prior to departing on the next trip.
Lighting	High	Not allowed to retrieve gear at night	Vessel may fish but cannot retrieve gear at night
Hauling Camera(s)	High	Restart system; replace with spare camera	Vessel operator must remain in port up to 72 hours to allow for repairs. After 72 hours, vessel operator may depart on trip and next trip is selected for EM coverage. Repair must occur prior to departing on the next trip.
Discard Camera(s)	High	Restart system; replace with spare camera	Vessel operator must remain in port up to 72 hours to allow for repairs. After 72 hours, vessel operator may depart on trip and next trip is selected for EM coverage. Repair must occur prior to departing on the next trip.
Streamer line Camera	Low	Restart system; replace with spare camera	Vessel operator may depart on trip. Must contact EM service provider for repair before departing on another trip.

Malfunction Matrix for Items Before Gear Retrieval During a Trip

Malfunction Type	High/Low Priority	Potential Solution	Action if Malfunction Not Resolved
Monitor	High	Connect a different monitor	Vessel operator must attempt to repair prior to retrieving gear. If cannot repair must contact EM service provider at end of trip. Repair must occur prior to departing on the next trip.
Rotation Sensor	Low	Follow troubleshooting guidance	Vessel operator may continue trip, but must trigger video manually. Must contact EM service provider before departing on another trip.
Hydraulic Sensor	Low	Follow troubleshooting guidance	Vessel operator may continue trip, but must trigger video manually. Must contact EM service provider before departing on another trip.
Rotation and Hydraulic Sensor	High	Restart system. Follow troubleshooting guidance.	Vessel operator must attempt to troubleshoot issue prior to retrieving gear. If cannot repair vessel must trigger video manually and must contact EM service provider at end of trip. Repair must occur prior to departing on the next trip.
GPS	High	Restart system	Vessel operator must attempt to troubleshoot issue prior to retrieving gear. If cannot repair must contact EM service provider at end of trip. Repair must occur prior to departing on the next trip.
Keyboard/ Mouse	Low	Replace with another keyboard/mouse	Vessel operator may continue fishing provided sensors are triggering automatic recording properly
Insufficient Storage	High	replace with spare data drive	Perform a data retrieval and swap data drive with a new blank data drive.
Control Center	High	Restart system, Follow troubleshooting guidance.	Vessel operator must attempt to repair prior to retrieving gear. If cannot repair must contact EM service provider at end of trip. Repair must occur prior to departing on the next trip.
Lighting	High	Not allowed to retrieve gear at night	Vessel may fish but cannot retrieve gear at night.
Hauling Camera(s)	High	Restart system; replace with spare camera	Vessel operator must attempt to repair prior to retrieving gear. If cannot repair must contact EM service provider at end of trip. Repair must occur prior to departing on the next trip.
Deck/Discard Camera(s)	High	Restart system; replace with spare camera	Vessel operator must attempt to repair prior to retrieving gear. If cannot repair must contact EM service provider at end of trip. Repair must occur prior to departing on the next trip.
Streamer line Camera	Low	Restart system; replace with spare camera	Vessel operator may depart on trip. Must contact EM service provider for repair before departing on another trip.

Malfunction Matrix for IFQ in Multiple Areas Trips

Malfunction Type	High/Low Priority	Potential Solution	Action if Malfunction Not Resolved
Continuous Power to System	High	Check power supply to system, follow troubleshooting procedures	Vessel operator must ceasing fishing and contact OLE. If system powered down during non-fishing, VMP must describe alternative methods to record location information
Monitor	High	Connect a different monitor	Vessel must cease fishing and contact OLE.
Rotation Sensor	Low	Follow troubleshooting guidance	Vessel operator may depart on trip or continue trip, but must trigger video manually. Must contact EM service provider before departing on another trip.
Hydraulic Sensor	Low	Follow troubleshooting guidance	Vessel operator may depart on trip or continue trip, but must trigger video manually. Must contact EM service provider before departing on another trip.
Rotation and Hydraulic Sensor	High	Restart system. Follow troubleshooting guidance.	Vessel operator may depart on trip or continue trip, but must trigger video manually. Must contact EM service provider before departing on another trip.
GPS	High	Restart system	Vessel must cease fishing and contact OLE.
Keyboard/ Mouse	Low	Replace with another keyboard/mouse	Vessel operator may continue fishing provided sensors are triggering automatic recording properly
Insufficient Storage	High	Conduct data retrieval and replace with spare data drive	If vessel does not have a spare data drive, Vessel must cease fishing and contact OLE.
Control Center	High	Restart system	Vessel must cease fishing and contact OLE.
Lighting	High	Vessel will not be able to retrieve gear at night	Vessel fish but cannot retrieve gear at night
Hauling Camera(s)	High	Restart system; replace with spare camera	Vessel must cease fishing and contact OLE.
Deck/Discard Camera(s)	High	Restart system; replace with spare camera	Vessel must cease fishing and contact OLE.
Streamer line Camera	Low	Restart system; replace with spare camera	Vessel operator may depart on trip or continue trip. Must contact EM service provider for repair before departing on another trip.