

MISSION SPECIALIST JOB DESCRIPTION

FOR WORK PERFORMED EXCLUSIVELY IN INTERNATIONAL WATERS

WORK SCHEDULE

The standard work schedule for a Mission Specialist is 9 days on the vessel with active work performed exclusively in international waters. While on the vessel, a Mission Specialist is active for 12 hours each day with 8 hours of responsibilities and 2-hours standing watch. General watch begins at 20:00 until daylight. 1 workday will be inside the submersible for dive for which the depth and location determined by the expedition director.

When a Mission Specialist is off duty, it is their responsibility to get adequate sleep and rest, so they are capable of working safely and efficiently when required. A Mission Specialist may be requested to return to a work during their scheduled time off if an emergency occurs.

PHYSICAL DUTIES OF THE JOB

Per the signed Mission Specialist Agreement, a Mission Specialist must be capable of lifting and moving equipment that may weigh more than 20 pounds. It may be necessary to move equipment that is heavy, large, and awkward, sometimes from one level to another. Assistance must be obtained from other members of the team when appropriate. The Mission Specialist must consider the requirements of a particular job prior to undertaking the task so he or she can be assured that all available equipment or assistance is readily available. All Mission Specialist must ascend and descend stairs or ladders, sometimes while transporting tools or objects. They must correctly use portable ladders or stools and use handrails when appropriate.

A Mission Specialist's color vision must allow them to recognize color coded objects such as electrical components, navigation lights, hazardous cargo placards, dock warning signs or lights, pipes, and valves. A Mission Specialist must advise the company of any change in his/her vision and they must wear eye protection when required by the work environment or by company policy. If vision deteriorates to the point that an individual cannot safely perform his/her daily duty, he or she must inform the company.

A Mission Specialist's hearing must be adequate for assuring his/her own personal safety while working in a machinery space which has high levels of background noise; for detecting changes in the operating sounds of machinery; and for hearing alarms, signals from the vessel, and signals from passing vessels. He or she shall be capable of communicating in English with the pilothouse or other personnel via portable or fixed VHF radio as well as intercom systems or voice communication. A Mission Specialist must be capable of reading and speaking English well enough to read, understand, and ask questions about company forms, container labels, emergency response procedures, Station Bills, placards, and other pertinent information.

A Mission Specialist must be capable of performing their assigned emergency duties without undue danger to themselves or the vessel. The Mission Specialist must know how and when to use the emergency equipment located on the vessel and be able to properly wear any safety equipment required by their duties.

Mission Specialist will perform their duties during all types of weather, night and day, and while the vessel is moving.

EXPEDITION VESSEL DUTIES

Onboard the vessel Mission Specialists are responsible for a variety assignments. Mission Specialists will receive adequate training and instruction to perform assigned duties onboard the vessel during their scheduled work hours. These duties may be performed independently or under the guidance and supervision of other qualified team members. Mission Specialists understand that failure to complete their assigned duties may compromise the success of the expedition or impact the safety of other team members.

These duties include, but are not limited to:

Submersible Operations Support

- Scheduled vessel maintenance
- Vessel cleaning and preparation
- Electrical and compressed air charging systems

Research Staff Support

- General assistance to research team and staff
- Sample preparation and documentation
- Data logging

Submersible Communications and Tracking Support

- Communicate with submersible team via UHF/VHF, underwater telephone phone, and acoustic modem
- Track the submersibles underwater position and report to the director
- Locate and physically sport the submersible on the water

Stand Watch

- Night watch rotation for 2 hours per night, per workday

Safety Watch

- Watch for and alert other team members of dangerous situations

SUBMERSIBLE MISSION SPECIALIST DUTIES

During the 9-day work schedule, Mission Specialists will actively participate in 1 submersible dive in international waters. The location, duration and objective of this dive will be determined by the expedition director.

Onboard the submersible Mission Specialists are responsible for a variety assignments. Mission Specialists will receive adequate training and instruction to perform assigned duties onboard the submersible during their scheduled work hours. These duties may be performed independently or under

the guidance and supervision of other qualified submersible team members or the submersible pilot. Mission Specialists understand that failure to complete their assigned duties may compromise the success of the expedition or impact the safety of other team members.

These duties include, but are not limited to:

Submersible Navigation

- Operation and observation of sonar and internal navigation systems
- Obstacle avoidance through viewports and exterior cameras
- Relaying navigation information for the vessel to the pilot

Data Logging

- Maintaining a log of events
- Maintaining Pilot notes when directed
- Recording camera times for post dive media review

Media Collection

- Operation of internal and external cameras
- Relace, backup and format media data cards when directed
- Document notable events during the dive

Surface Communications

- Communicate with vessel team via UHF/VHF, underwater telephone phone, and acoustic modem
- Relay information as directed by the Pilot

Safety Watch

- Watch for and alert other team members of dangerous situations

MISCELLANEOUS DUTIES

All Mission Specialists may be requested to participate in making tow; transfer of rigging; lay rigging; handle lines; checking tow; move and operate portable pumps; routine housekeeping duties; and general maintenance of the submersible and vessel. Mission Specialists must catch a line on deck fittings; work lines at locks; cast lines free when getting underway; and assist in the navigation of the vessel.

Mission Specialists may be required to use hand tools, power tools, painting equipment, and personal protective gear. Each Mission Specialist is responsible for seeking supervision when they are unfamiliar with a particular item or procedure. They must be certain that they understand when and how personal protective equipment is to be used. Mission Specialists should never attempt to complete a task if they do not understand how it is to be done.

Every Mission Specialist must become familiar with their emergency duty and develop an acceptable skill level in their emergency role. Participation in emergency drills is required of every Mission Specialist. Specific duties are listed on the Station Bill posted on the vessel.

Other duties may be assigned by the Expedition Director who is responsible for supervision of the Mission Specialist or other qualified personnel.

OTHER INFORMATION:

Every Mission Specialist is required to be aware of and comply with all directives, policies, and procedures contained in the Safety Training and Operations Manual. Good working relationships with other members of the team are an important part of the daily routine aboard the vessel; every Mission Specialist is expected to promote good working relationships.

Medical facilities and drug stores are not readily available to vessels along the river system. In some instances, a lengthy delay in obtaining medical assistance or medicine may occur. Anyone needing medication or periodic medical treatment is responsible for obtaining that treatment and medicine off the vessel.

It is the responsibility of every Mission Specialist to report to their job in a timely manner, fit and ready for duty. Any change in their physical condition that could affect personal safety, or the safety of the vessel and team must be reported to Expedition Director.