

TEMPORARY SERVICES

1. SCOPE

1.1 Intent. This standard specification describes the requirements for the Contractor to provide temporary services for Coast Guard vessels.

2. REFERENCES

COAST GUARD DRAWINGS

None.

COAST GUARD PUBLICATIONS

None.

OTHER REFERENCES

International Code Council (ICC) International Building Code (IBC), 2006, International Building Code

International Code Council (ICC) International Fire Code (IFC), 2006, International Fire Code

National Fire Protection Association (NFPA) 70, 2008, National Electric Code

3. REQUIREMENTS

3.1 General. The Contractor shall provide temporary services for the vessel, for the duration of the Contract performance period at the Contractor's facility or the vessel's home pier as applicable.

3.2 Schedule of connection. The Contractor shall ensure that all temporary services are connected, operational, and ready for use within five hours of the vessel's arrival at the Contractor's facility. Make connections at the locations specified by the Coast Guard Inspector.

3.2.1 Service disruption. Notify the Coast Guard Inspector 24 hours before scheduled disruptions of the temporary services. The Contractor may disconnect required temporary services only when shifting the vessel, or securing an associated system for authorized work. If a provided service is unexpectedly disrupted, notify the COTR of the disruption and provide an estimated time until restored.

3.2.2 Service restoration. Ensure that whenever the vessel is moved, all disrupted services are restored within one hour after movement.

3.3 Service particulars. The Contractor shall provide the following temporary services, as specified in the work item:

NOTE

Each sub-paragraph associated with paragraph 3.3 (Services particulars) relates directly to the identical sub-paragraph number in Table I (Service Selection) of the invoking work item, titled “Temporary Services, Provide”.

3.3.1 Office space. Provide an office space for use by vessel personnel, located on the Contractor’s facility and within a five minute walk from the vessel. The office space shall:

- Meet or exceed the building and fire requirements specified in ICC/IBC and ICC/IFC.
- Have adequate overhead lighting and electrical convenience receptacles. Quantity and placement of the receptacle outlets shall be in accordance with NFPA 70.
- Be equipped with at least three desks, three chairs, and telephone capability.
- Have heating, filtered ventilation, and air conditioning to maintain temperatures in the 65 to 75 degree Fahrenheit range.
- Have an entry door with installed locks and at least two keys provided to the Coast Guard Inspector.
- Have a copy machine and facsimile (fax) machine in good, working order, for use by vessel personnel.

3.3.2 Telephone. Provide the number of independent and private telephone lines specified in Table I below, connected to Contractor-furnished telephones, at the locations designated by the Coast Guard Inspector. Lines shall be high speed (HDSL) circuits with voice capability and a minimum of 768Kb of data bandwidth from the local telephone company’s entrance facility demarcation point to the cutter’s point of service. A minimum of one provided line shall have an extension aboard the vessel, to allow the Watchstander immediate phone access.

3.3.2.1 Direct dial. The lines may be routed through the Contractor's switchboard, with direct dial calls that can be made to and from the office and vessel extensions 24 hours per day. If approved by the COTR, the Contractor may tie the telephone lines into the ship's telephone system.

TABLE I - PRIVATE TELEPHONE LINES

VESSEL		TELEPHONE PRIVATE LINES*
LENGTH (feet)	TYPE	
65	WLI	4
	WLR	4
	WYTL	3
75	WLIC	4
	WLR	4
87	WPB	4
100	WLI	4
	WLIC	4
110	WPB	4
140	WTGB	4
160	WLIC	4
175	WLM	4
210	WMEC	5
213	WMEC	5
225	WLB	5
230	WMEC	5
240	WLBB	5
270	WMEC	5
282	WMEC	5
290	WAGB	5
295	WIX	5
378	WHEC	5
400	WAGB	5
418	WMSL	5
420	WAGB	5
NOTE: One line shall be capable of Facsimile transmission and one shall be capable of Computer & Internet usage.		

3.3.2.2 Long distance calls. Long distance calls shall be billed to the vessel.

3.3.3 Parking. Provide parking spaces for the ship's crew as specified in Table II below. The spaces listed in column (A) shall be as close as reasonably possible to the vessel, but not to exceed a five minute walk from the vessel and office space (if provided) and within the Contractor's facility. The spaces listed in column (B) shall be within a 10-minute walk of the vessel.

TABLE II - PARKING SPACES

VESSEL		PARKING SPACES	
LENGTH (feet)	TYPE	A	B
65	WLI	3	4
	WLR	3	10
	WYTL	3	3
75	WLIC	3	10
	WLR	3	10
87	WPB	3	8
100	WLI	3	10
	WLIC	3	10
110	WPB	3	8
140	WTGB	3	6
160	WLIC	3	10
175	WLM	3	10
210	WMEC	5	40
213	WMEC	5	40
225	WLB	3	20
230	WMEC	4	20
240	WLBB	4	20
270	WMEC	5	40
282	WMEC	5	40
290	WAGB	5	30
295	WIX	5	10
378	WHEC	6	50
400	WAGB	6	50
418	WMSL	6	50
420	WAGB	6	50

3.3.4 Duty section berthing. Provide temporary berthing for duty section personnel in the form of an enclosed, permanent or semi-permanent berthing facility. Locate as close as reasonably possible to the vessel and the toilet and shower facilities, but no further than a three-minute walk to either. The duty section berthing facility shall:

- Meet or exceed the building and fire requirements specified in ICC/IBC and ICC/IFC.
- Have two separate berthing spaces, one for male personnel and one for female personnel, for the numbers specified in the work item.
- A twin-size bed, for each occupant, equipped with an individual locker that can be padlocked. Bunk beds are acceptable, with an individual locker that can be padlocked for each bed.
- Have adequate overhead lighting and electrical power provided, with a minimum of one 20-ampere, 125 Volt, Grounding-type receptacle outlet, in accordance with NFPA 70.
- Be equipped with filtered HVAC, to maintain temperatures in the 65 to 75 degree Fahrenheit range; include local climate control for the occupants.
- Have a lock with at least two keys, installed in each berthing area entrance; keys shall be provided to the Coast Guard Inspector.
- Have an installed, audible and visual alarm in the berthing facility that can be actuated from the vessel's quarterdeck in the event of a shipboard emergency.
- Be cleaned, serviced, and have trash removed, on a daily basis.

3.3.5 Electrical power. Provide flexible cable, necessary terminal connection, and 60 cycle, 3 phase electrical power to the vessel's shore power connection box in accordance with NFPA 70. Except for those cutters with an onboard shore power isolation transformer, only a single ungrounded shore power source shall be used for supplying electrical power, i.e. the generator or the transformer secondary supplying the shore tie must have all phases and any neutral insulated from earth with the frame of such equipment bonded to ground. Parallel transformers or generators shall not be used. The voltage and current capacities shall be as specified in Table III below.

TABLE III - ELECTRICAL CAPACITIES

VESSEL		Voltage (AC Volts)	Current (Amps)
LENGTH (feet)	TYPE		
65	WLI*	208	60
	WLR	230	150
	WYTL	440	60
68	Barge	440	100
70	Barge	220	100
75	WLIC	440	150
	WLR	230	150
84	Barge	220	100
87	CPB	440	100
90	Barge	230	100
99	Barge	230	100
100	WLI	450	70
	WLIC	450	150
110	WPB	440	200
120	Barge*	440	200
130	Barge	230	100
140	WTGB	450	200
160	WLIC	440	200
175	WLM	440	450
210	WMEC***	440	400
213	WMEC	440	400
225	WLB	440	2 x 400
230	WMEC	440	400
240	WLBB	440	3 X 400
270	WMEC***	440	2 x 400
282	WMEC	440	2 x 400
290	WAGB	440	3800
295	WIX	440	300
378	WHEC***	440	2 x 400
400	WAGB	440	1600
418	WMSL	450	1600
420	WAGB	440	6 x 400

*Four-wire connection.
**Match existing onboard installed configuration rating.
***Two each 400 amp outlets on the same electrical bus with Navy Standard Plug.

3.3.5.1 Grounding straps. Immediately after successful drydocking and before connecting the electrical shore tie cable to the vessel, the Contractor shall ground the vessel's hull to a shore side grounding source as follows:

3.3.5.1.1 Cable lugs. Tightly secure the grounding cable lugs to the grounding plates; ensure the lug contact area is cleaned thoroughly to bare metal, and that resistance of the connection is a maximum of 125 microhms.

3.3.5.1.2 Cable size. Ensure that the cross sectional areas of return ground cables are one million circular mils (1000 kcmil) minimum for each 1000 amps for each 100 feet (one or more cables, connected in parallel, may be used to meet the cross sectional area requirements). Return grounding cables smaller in diameter than 85 MCM (No. 1 AWG) are not permitted.

3.3.5.1.3 Cable insulation. All return grounding cables shall have completely insulated copper conductors with an insulation resistance value of no less than 0.1 megohms.

3.3.6 Compressed air. Provide dry, compressed air as follows:

3.3.6.1 Vessels with compressed air system. Connect the compressed air supply to the vessel's existing compressed air system, at their normal operating pressure (psig) and volume (cfm).

3.3.6.2 Vessels without compressed air system. For vessels without compressed air system, do the following:

3.3.6.2.1 Furnish all equipment and materials necessary to provide compressed air to a distribution manifold. The manifold shall be fitted with an inlet connection, two air hose outlet connections fitted with stop valves, and a relief valve connection, set to relieve air pressures at 125% above normal operating pressure. Secure the manifold at a location specified by the Coast Guard Inspector. Provide slack in the air supply hose to the manifold to allow for manifold relocation.

3.3.6.2.2 Provide two 100-foot air supply hoses for the ship's force use. Ensure adequate capacity to supply 100 psig air to both outlets at 50 cfm each.

3.3.7 Hazardous material/hazardous waste disposal. In accordance with all Federal, state, and local environmental, health and safety regulations, the Contractor shall accept and properly dispose of the amounts of hazardous materials from the vessel as specified in the work item. The Contractor shall do the following:

3.3.7.1 Use suitable flow (volumetric) measuring equipment to record the amount of liquids removed.

3.3.7.2 Submit documents to the COTR for the removed and disposed quantities of hazardous wastes to certify compliance with all Federal, state, and local regulations.

NOTE

The materials listed in the "Temporary Services, Provide" item may be classified as hazardous materials or hazardous waste depending on state and local regulations. The vessel environmental coordinator may assist with determination of waste category.

3.3.8 Heavy lift equipment. Provide heavy lift equipment services for use by the COTR upon request, in

minimum 15-minute increments, with at least four working hours notice, in the form of a crane or a forklift, with operator and riggers. Ensure that crane and associated weight handling gear and equipment, have a minimum two-ton lift capacity and an outreach sufficient to reach an offload point on the forecastle, fantail, or flight deck, as applicable.

3.3.9 Water supply. Provide water supply, as specified below.

3.3.9.1 Potable water. Provide fresh, potable water, utilizing the vessel's potable water fill connection, in accordance with the U. S. Public Health Service (USPHS) regulations concerning the use of check valves or other automatic closure devices to prevent contamination of the fresh water source and all other applicable Federal, State, and local ordinances.

3.3.9.2 Hot-circulating water. Provide a shoreside hot-circulating water system to cross-connect into the vessel's hot-circulating water system. The system shall be capable of maintaining the vessel's heated spaces at an ambient temperature of at least 65 degrees Fahrenheit. Ensure that the vessel's hot-circulating water system is not over-pressurized and that all the vessel's hot water circulating pumps are isolated.

3.3.9.3 Cooling water. Provide fresh or salt water and furnish all hoses and fittings necessary to supply water to the vessel's auxiliary salt water (if installed), air conditioning, and refrigeration cooling systems. Ensure cooling water exiting the vessel is kept from running down the hull. Maintain the water supply pressure from 20 to 40 psig and provide a pressure gauge calibrated to be accurate in this range.

3.3.9.4 Firemain system. Provide fresh or salt water to the vessel's firemain connection on deck for fire protection. Maintain the pressure between 90 and 110 psig to the vessel, while discharging 90 to 110 gpm solid streams through two 1-1/2 inch fire hoses. Ensure that the firemain system is protected from freezing, when applicable. In the event required water supply is taken from the city fresh water system, the Contractor shall be responsible for complying with local ordinances and U.S. Public Health Services regulations concerning the use of check valves or other automatic closure devices in the event the cutter's fire pump is started.

3.3.9.4.1 Contractor-furnished supporting equipment. Provide all hoses and fittings needed to supply water to the system and a pressure gauge to show the water pressure at the connection to the ship.

3.3.9.4.2 Additional supply lines. Should any portion of the firemain system be secured due to system repairs, the Contractor shall provide additional supply lines to energize all working portions of the system. The number of required additional lines shall be as specified in Table IV below or as directed by the Coast Guard Inspector.

3.3.9.4.3 Booster pumps. Booster pumps, if used and not in continuous operation, shall be fitted with a controller or starter switch located near the gangway, readily available to the crew.

3.3.9.4.4 Connection. Ensure that the firemain connection shall be arranged such that a continuous flow is provided to prevent freezing.

TABLE IV - FIREFIGHTING EQUIPMENT

VESSEL LENGTH (feet)	TYPE	ADDITIONAL SUPPLY LINES	
		fore	aft
65	WLI	1	1
	WLR	1	1
65	WYTL	1-port	1-stbd
75	WLIC	1	1
	WLR	1	1
82	WPB	1	1
87	WPB	1	1
100	WLI	1	2
	WLIC	1	2
110	WPB	2	2
140	WTGB	2	2
160	WLIC	1	1
167	WAT	1	1
175	WLM	1	1
210	WMEC	2	2
213	WMEC	2	2
225	WLB	2	2
230	WMEC	1	stbd fr 36
240	WABB	1-port	1-stbd
270	WMEC	2	2
282	WMEC	2	2
295	WIX	2	2
378	WHEC	2	2
400	WAGB	2	2
418	WMSL	01 DK & Boat DK	3
420	WAGB	1-port	1-stbd

3.3.10 Steam. Supply saturated steam, via a Contractor-furnished hose, to the vessel's shore tie connection, as applicable in accordance with Table V.

TABLE V - STEAM PROVISION

VESSEL		STEAM HEATING	
LENGTH (feet)	TYPE	Boiler Output	
		lbs./hr.	psig
378	WHEC	2,300	100
400	WAGB	3,700	100
420	WAGB	4,200	100

3.3.10.1 Valves. Install a reducing valve and a safety valve in the supply line to protect the vessel's system.

3.3.10.2 Trap. Provide a steam trap near the shore tie connection on the vessel.

3.3.10.3 Gauge. Install a steam gauge in the line at a point where the steam enters the vessel's system.

3.3.10.4 Condensate. Collect and recycle or dispose of the condensate. Furnish all necessary hoses and fittings.

3.3.11 Refuse disposal. Furnish a dumpster on the pier, near the gangway, for the Ship's force use. The dumpster shall be emptied at least once each week and maintained in accordance with all applicable Federal, state, and local laws and regulations concerning garbage and refuse disposal.

3.3.12 Sewage and grey water disposal. Dispose of sewage and grey water as specified in Table VI below, from the vessel's shipboard retention tank. Disposal shall be by dockside connection or tank truck, in accordance with all applicable Federal, state, and local codes. Tank trucks shall remove the effluent during normal working hours and within three hours of notification from the Coast Guard Inspector.

3.3.12.1 Hoses. Provide all necessary discharge hoses to connect the vessel's four-inch female camlock fitting to the dockside connection or truck.

3.3.12.2 Pump. The Contractor may use the vessel's installed sewage pump to pump out the retention tank.

TABLE VI - SEWAGE & GREY WATER DISPOSAL

VESSEL		SEWAGE DISPOSAL	
LENGTH (feet)	TYPE	gallons/day	
		Alone	+Grey*
65	WLI	200	300
	WLR	200	300
	WYTL	200	500
75	WLIC	200	350
	WLR	200	300
87	WPB	0	400
100	WLI	250	500
	WLIC	250	500
110	WPB	100	500
120	BARGE	300	500
140	WTGB	300	850
160	WLIC	250	400
175	WLM	300	800
210	WMEC	600	3,000
213	WMEC	600	3,000
225	WLB	1,000	4,000
230	WMEC	0	4,000
240	WLBB	1,000	4,000
270	WMEC	0	4,000
282	WMEC	0	4,000
290	WAGB	0	4,000
295	WIX	2,000	5,000
378	WHEC	5,000	10,000
400	WAGB	0	8,000
418	WMSL	5,000?	2
420	WAGB	0	8,000
*Sewage and Grey Water are combined.			

3.3.13 Storage - general. Provide the storage facilities specified in the work item meeting the following requirements while the vessel is at the Contractor's facility:

3.3.13.1 Location. Locate the storage facilities as close as practicable but no further than a ten minute walk from the vessel's berth. The facilities shall be accessible 24 hours a day, seven days a week.

3.3.13.2 Shelving. Equip the facilities with shelves which shall be at least two feet deep along all exterior walls, constructed to accommodate loads of at least 100 pounds per square foot, and from the floor to at least six feet high above the deck with shelf spacing approximately 24 inches.

3.3.13.3 Storage security. Ensure the facility is weathertight and capable of being secured with a lock provided by the vessel.

3.3.13.4 Lighting. Provide adequate lighting inside the facility and outside the facility's entrance, energized during all hours of darkness.

3.3.13.5 Facilities. Provide the following facilities indicated in Table VII below as specified in the work item. Each facility shall be fitted with an access which will permit the entry of a small forklift transporting a four-foot by four-foot loaded pallet.

TABLE VII - STORAGE FACILITIES

FACILITY	SIZE (ft3)	PURPOSE and/or CRITERIA
DRY STORES	2500	For ship's force to store nonflammable liquids and nonperishable items.
PAINT AND FLAMMABLE STORES	1000	For ship's force to store paints and other flammables; meet all Federal state, and local codes for flammable storerooms.
REFRIGERATED STORES	250	Frozen foods: Contain an evaporator equipped with a defrost cycle and capable of maintaining a constant regulated temperature of -5°F, ± 5°F.
	450	Refrigerated foods: Capable of maintaining a constant temperature of 37°F, ± 5°F

3.3.14 Small boat storage. When a small boat (Motor Surf Boat (MSB)/Motor Cargo Boat (MCB)/Rigid Hull Inflatable (RHI) boat) is removed as interference to Contractor-work, provide a suitable pier side storage cradle, for safely storing said boat.

3.3.14.1 Cradle design. Ensure that the temporary cradle meets the following criteria:

- Structure is templated from the geometry and arrangement of the contact support areas of the existing cradle onboard the vessel, to provide same or more support area as that which is provided by the existing cradle.
- Arrangement will allow ship's force to perform maintenance on the small boat, without modification of the cradle.
- Structure is manufactured using the most economical methods and materials available, and is capable of supporting the full weight of the small boat under normal conditions experienced during routine maintenance.
- Contact surfaces are no harder or rougher than the contact surfaces for existing cradle onboard the vessel.

3.3.14.2 Boat accessibility. Ensure the storage is located in the vicinity of the vessel, and is unrestricted, to allow for ship's force to complete maintenance during normal working hours for the entire performance period.

3.3.14.3 Boat protection. Provide full protection that can be safely and completely secured when the small boat is left unattended (e.g. watertight cover, storage in a warehouse or shop, etc.), in addition to isolating the boat from the elements.

3.3.14.4 Boat transportation. Transport each small boat to its storage area within one week of docking the vessel and back to the vessel prior to the end of the performance period.

4. NOTES

4.1 Ship's force responsibilities. The ship's force will provide a Coast Guard Inspector to monitor the installation and maintenance of the temporary services. The Coast Guard Inspector will:

- Maintain a log detailing installations, irregularities, and disruptions experienced with temporary services.
- Assist the Contractor in identifying locations aboard the vessel, and barge if applicable, where the Contractor may tie into the ship's systems.
- Maintain a Crane Service Log to include date used, purpose, start and stop times, number of lifts performed, and the name of the operator.