

**Summary Report for Individual Task  
551-881-8132  
Identify All Vessel Systems  
Status: Approved**

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DESTRUCTION NOTICE: None

**Condition:** Aboard a vessel, at sea, at anchor or moored alongside the pier, day or night, under all sea and weather conditions, Soldier identified all vessel systems.

**Standard:** The Soldier identified the major ships systems in order to accurately operate them and/or perform required maintenance.

**Special Condition:** None

**Special Standards:** None

**Special Equipment:**

**Safety Level:** Low

**MOPP:**

<b>Task Statements</b>
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**Cue:** None

<b>DANGER</b>
None

<b>WARNING</b>
None

<b>CAUTION</b>
None

**Remarks:** None

**Notes:** The major systems identified in this ITAR are common on-board the Logistics Support Vessel (LSV), Landing Craft Utility (LCU) and Large Tug (LT) 128'. A subsystem is attached to each major vessel system to allow the function of the major vessel systems. To each subsystem is attached other systems that allow the function of all systems directly downstream from point of origin.

Example: Main Propulsion is the major system; the main engine and vessels bow thruster are the subsystems for main propulsion. Fuel tanks, fuel pumps, fuel strainers, fuel water separators, fuel filters, and fuel lines to the engines are the systems upstream of the major component needed for the operation of the Main Propulsion. This scenario is present for all systems mention for this task. For simplicity, only the major systems and the subsystems that support them are mentioned in this ITAR.

## Performance Steps

1. Identify the Main Propulsion System.
  - a. Main Engines
  - b. Bow Thruster
  - c. Emergency Fuel Pumps
2. Identify Pneumatic Air Systems.
  - a. Comprssors
  - b. Tanks
  - c. Lines
3. Identify the Power Generation System.
  - a. Ship Service Diesel
  - b. Ship Service Diesel Generators (SSDG)
  - c. Emergency Diesel Generator (EDG)
    - (1) LCU - 2000 Main Deck Aft
    - (2) LSV - Main Deck STBD Side Aft
    - (3) LT 128' - 02 Level Aft
  - d. Main Power Switchboard
  - e. Emergency Power Switchboard
  - f. Shore Power
  - g. Fuel Pumps and Motors
4. Identify Steering Systems.
  - a. Main Steering Hydraulic Power Units (HPU's)
  - b. Manual Emergency Steering
    - (1) LCU - 2000 Steering Gear Compartment Port
    - (2) LSV - Steering Gear Compartment
    - (3) LT 128' - Aft Machinery Space (AMS) #2 STBD

c. Heading and Rudder Angle Indicators and Repeaters

(1) Wheelhouse

(2) Engine Room

(3) Steering Gear Compartment AMS

5. Identify Navigation System.

a. Running Lights

b. Radar Lights

c. Global Positioning Systems (GPS)

d. Gyro Compass

6. Identify Communications Systems.

a. All Very High Frequency (VHF) Radios

b. All Ultra High Frequency (UHF) Radios

c. Teletype and Secure Fax-mail

d. Global Maritime Distress Safety Systems (GMDSS)

e. Command, Control, Communication, Computers and Intelligence (C4I)

f. Emergency Position Indicating Radio Beacon (EPIRB)

g. Internal Communication Systems

(1) Sound-powered Telephones

(2) Intercommunication (Intercom) System

(3) Engine Order Telegraph (EOT)

7. Identify Damage Control Systems.

a. Fire Mains and Monitors

b. Emergency Fire Pump (Engine Driven)

(1) LCU 2000 - Bow Thruster Engine (located in the Bow Thruster Compartment)

(2) LT 128' - AMS #1 Auxiliary Hydraulic System Engine

(3) LSV - Bow Thruster Engine (located in the Bow Thruster Compartment)

- c. Bilge/Ballast/Fire Pump Systems
- d. FM 200 and CO2 Fire Suppression Systems
- e. Halon Fire Suppression Systems

(Asterisks indicates a leader performance step.)

**Evaluation Preparation:** Given access to an Army vessel.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Identify the Main Propulsion System.			
2. Identify Pneumatic Air Systems.			
3. Identify the Power Generation System.			
4. Identify Steering Systems.			
5. Identify Navigation Systems.			
6. Identify Communications Systems.			
7. Identify Damage Control Systems.			

**Supporting Reference(s):**

Step Number	Reference ID	Reference Name	Required	Primary
	TB 55-1900-202-12/1	WATERCRAFT PREVENTIVE MAINTENANCE	No	No

**Environment:** None

**Safety:** In a training environment, leaders must perform a risk assessment in accordance with FM 5-19, Composite Risk Management. Leaders will complete a DA Form 7566 COMPOSITE RISK MANAGEMENT WORKSHEET during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, NBC Protection, FM 3-11.5, CBRN Decontamination.

**Prerequisite Individual Tasks :** None

**Supporting Individual Tasks :** None

**Supported Individual Tasks :**

Task Number	Title	Proponent	Status
551-8ST-1022	Perform as a Member of a Damage Control Team	551 - Transportation (Individual)	Approved
551-8ST-1006	Maintain Damage Control Equipment	551 - Transportation (Individual)	Approved
551-88L-1029	Demonstrate Basic Knowledge of an Air System	551 - Transportation (Individual)	Analysis
551-88L-1035	Demonstrate Basic Knowledge of a Propulsion System	551 - Transportation (Individual)	Analysis
551-88L-1034	Maintain a Diesel Engine	551 - Transportation (Individual)	Analysis

**Supported Collective Tasks :**

Task Number	Title	Proponent	Status
N/A	N/A	Not Selected	Obsolete