

WWW Line Handling Activity

Lesson Objectives: Understand the types and purposes of lines used in maritime operations. Demonstrate proper line handling techniques. Identify and mitigate common hazards associated with line handling. Apply safety procedures during mooring and unmooring operations.

Materials

- Various types of lines (e.g., nylon, polyester, manila)
- Cleats, bollards, winches, capstans
- Safety gear (gloves, helmets, boots)
- Training vessel or dockside setup

Activity Breakdown (May not get to all depending on time)

1. Introduction to Line Handling

- Importance of line handling in maritime operations
- Overview of mooring, towing, and anchoring
- Terminology: bight, bitter end, standing part, eye splice, etc.

2. Types of Lines and Their Uses

- Synthetic vs. natural fiber ropes
- Characteristics: strength, elasticity, durability
- Common uses: mooring, towing, securing cargo

3. Line Handling Techniques

- Throwing and receiving lines
- Making fast to cleats and bollards
- Coiling, faking, and flaking lines
- Knots and hitches: bowline, clove hitch, round turn and two half hitches

4. Safety Procedures and Risk Mitigation

- Snap-back zones and danger areas
- PPE requirements
- Communication and coordination during operations
- Emergency procedures (line breakage, entanglement)

5. Practical Exercises

- Hands-on practice with mooring lines
- Simulated docking and undocking
- Team coordination drills
- Identifying and avoiding snap-back zones

Discussion and Review

- Practical evaluation of line handling skills
- Group discussion and feedback