STABILITY AND DAMAGE CONTROL (Draft 2: 6/12)

Goal: The purpose of this training is to provide information and skills to prevent and minimize the risk to people and vessels due to stability issues and flooding, a leading cause of fishing fatalities.

Objectives: After successful completion of the Stability and Damage Control course, participants should be able to:

1. Define at least 30 terms regarding vessel stability
2. List 18 factors affecting a vessel's stability
3. Identify at least three risk factors for fisheries of the participants taking training
4. Identify how to determine lightship
5. Determine at least one simplified stability calculation given sample data
6. Define damage stability, progressive flooding, and unintentional flooding
7. Identify the difference between initial stability and feel versus overall stability
8. Identify at least two principles of watertight integrity
9. Identify the main hazard of improper watertight integrity
10. State at least two marine practices related to watertight integrity
11. State the difference between weathertight and watertight closures and the significance of hatches with reduced coaming height
12. Use interactive models and hands on activities to demonstrate at least 3 ways to increase stability
13. Identify at least two techniques for presentation of a vessel's stability
14. Recognize at least two techniques for monitoring a vessel's stability condition
15. Recognize the function of capacity tables
16. Recognize at least three contents of stability instructions
17. List at least four regulations regarding stability, watertight integrity, and load lines applicable to fishing industry vessels
18. Discuss at least three case studies of vessel casualties where loss of stability was the primary cause
19. Demonstrate eight techniques for controlling flooding.
20. Identify at least six different tools or techniques for the control of flooding.
21. Demonstrate methods for demonstrating at least six stability principles using hands-on interactive model(s)

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