

**COMMERCIAL FISHING VESSEL SAFETY EXAMINATION SUPPLEMENTS
U. S. COAST GUARD**

SUPPLEMENT 2 SUBPART E

Vessel Name: _____

I.D. Number: _____

**VESSELS \geq 79 FT (REGISTERED) NOT REQUIRED LOAD LINES; EXCEPT VESSELS W/O
MAJOR CONVERSION OR SUBSTANTIAL ALTERATIONS ON OR AFTER 15 SEPTEMBER 1991**

46 CFR 28.530	Stability Instructions—Qualified Individual <input type="checkbox"/> Developed by a Qualified Individual Name: _____ Date Issued: _____	O Yes O No O N/A
46 CFR 28.530 46 CFR 28.570	Stability Instructions—Criteria Used to Evaluate Stability <input type="checkbox"/> 46 CFR 28—Subpart E <input type="checkbox"/> Subch. S (46 CFR 170) <input type="checkbox"/> Load Line <input type="checkbox"/> NVIC 5-86	O Yes O No O N/A
46 CFR 28.530	Stability Instructions—Format <input type="checkbox"/> Format Understood by Master Check all that apply of the following: <input type="checkbox"/> Includes “Instructions for Master” <input type="checkbox"/> Loading Diagrams/Tables <input type="checkbox"/> Various Loaded Conditions <input type="checkbox"/> Graphs <input type="checkbox"/> Other: _____	O Yes O No O N/A
46 CFR 28.530	Stability Instructions—Current <input type="checkbox"/> Reflects vessel’s current gear and operations <input type="checkbox"/> Pot <input type="checkbox"/> Longline <input type="checkbox"/> Trawl <input type="checkbox"/> Troll <input type="checkbox"/> Dredge <input type="checkbox"/> Tendering <input type="checkbox"/> Processing IF NECESSARY, SEE PAGE 2 FOR EXPANDED STABILITY INSTRUCTIONS CHECKLIST	O Yes O No O N/A
46 CFR 28.535	Incline Test Date of last Incline Test: _____ Modifications made to vessel since last update to stability instructions: _____	O Yes O No O N/A
46 CFR 28.530	Pot Weight Information Pot weight used in stability calculations: _____ Pot weight used during fishing operations: _____	O Yes O No O N/A
46 CFR 28.530	Fuel Burn Off/Loading Sequences/Tank Management <input type="checkbox"/> Instructions to Master includes Fuel Burn Off and Loading Sequences <input type="checkbox"/> Master/Chief Engineer follow Fuel Burn Off and Loading Sequences <input type="checkbox"/> Master & Crew aware of tanks required to be kept filled or empty	O Yes O No O N/A
46 USC 4502(g)(1-2)	Stability Training of Operator <input type="checkbox"/> Attended Fishing Vessel Stability Training Course Name: _____ Date Issued: _____ Training Provider: _____	<p align="center">Voluntary Not codified in CFR</p>
46 CFR 28.555	Freeing Ports <input type="checkbox"/> Allow the rapid clearing of water <input type="checkbox"/> Compliance with Covers To verify adequate size use the Freeing Port Calculator Tool	O Yes O No O N/A
46 CFR 28.560	Watertight/Weathertight Integrity <input type="checkbox"/> Deck or Bulkhead Openings exposed to weather fitted with weathertight/watertight closure <input type="checkbox"/> Water/Process Openings below the Weather Deck with Weathertight closures Coaming Height & Deadlight Covers <input type="checkbox"/> Doors and Hatches (24” min) OR <input type="checkbox"/> QAWT Closure <input type="checkbox"/> Fish hold under constant attention Deck Coaming Height (6” min) <input type="checkbox"/> Deadlight Covers (windows below the first deck above the lowest wx deck)	O Yes O No O N/A

46 CFR 28.530/560	Downflooding Points <input type="checkbox"/> Downflooding points used in the stability instructions match the vessel's configuration and layout <i>Beware of fuel/water vents, air vents, dryer vents, etc</i>	O Yes O No O N/A
46 CFR 28.580	Unintentional Flooding Section <i>Vessels built on or after 15 September 1991</i> <input type="checkbox"/> Instructions include Damage Stability Collision Bulkhead <input type="checkbox"/> Watertight Closure Device <input type="checkbox"/> No door below the bulkhead deck <input type="checkbox"/> Penetrations kept to a minimum and as high and inboard as practical and fitted with means to rapidly make it watertight <input type="checkbox"/> Buoyancy of superstructure if used then it must be sufficiently strong, weather/watertight, hinged deadlights, fitted with interior access from spaces below. *Depending on how much of the superstructure is used as reserve buoyancy, this could include levels above the first deck above the weatherdeck.	O Yes O No O N/A
EXPANDED STABILITY INSTRUCTIONS CHECKLIST		
46 CFR 28.565	Conditions of Operation & Loading for Water on Deck	O Yes O No
46 CFR 28.570	Conditions of Operation & Loading for Intact Righting Energy	O Yes O No
46 CFR 28.575	Conditions of Operation & Loading for Severe Wind and Roll	O Yes O No
46 CFR 28.540	Free Surface Effect	O Yes O No
46 CFR 28.545	Lifting Gear includes cranes, booms and trawls related to fishing or tendering	O Yes O No O N/A
46 CFR 28.550	Icing Conditions <i>Operating north of 42° between November 15-April 15</i>	O Yes O No O N/A

DEFINITIONS (46 CFR 28):

Major Conversion: Conversion of a vessel that (1) substantially changes the dimensions or carrying capacity of the vessel; (2) changes the type of the vessel; (3) substantially prolongs the life of the vessel; OR (4) otherwise so changes the vessel that it is essentially a new vessel, as determined by the Commandant.

Substantial Alteration: The vessel is physically altered in a manner which **adversely affects the vessel's stability** (*see below*) and includes: (1) alterations that result in a change of the vessel's lightweight vertical center of gravity more than 2 inches, a change in the vessel's lightweight displacement of more than 3%, OR an increase of more than 5% in the vessel's projected lateral area, as determined by tests or calculations; (2) alterations which change the vessel's underwater shape; (3) alterations which change a vessel's angle of downflooding; AND (4) alterations which change a vessel's buoyant volume.

Adversely Affects the Vessel's Stability: A Qualified Individual (Naval Arch) must, at a minimum, consider the net effects on stability of any: (1) Reduction of the downflooding angle; (2) Increase in the maximum heeling moment caused by fishing gear or weight lifted over the side due to changes in lifting arrangement or capacity; (3) Reduction in freeing port area; (4) Increase in free surface effects, including increased free surface effects due to water on deck associated with any increase in length or height of bulwarks; (5) Increase in projected wind area; (6) Decrease in the angle of maximum righting arc; (7) Decrease in the area under the righting arm curve; and (8) Increase in the surface area on which ice can reasonably be expected to accumulate.

Examples: Weight creep, paint, accumulative small changes