TRACKING CHANGES TO THE LIGHT SHIP CONDITION

Under the provisions of 46 CFR (Code of Federal Requirements) Part 28, "Requirements for Commercial Fishing Industry Vessels", stability instructions for the vessel may need to be revised if the vessel either:

a) undergoes a major conversion;
b) undergoes alterations to the fishing or processing equipment for the purpose of catching, landing, or processing fish in a manner different than has previously been done on the vessel; or
c) is "substantially altered".

A "substantial alteration" may be due to a single change, or it may be due to an accumulation of small changes over a period of time. Specific guidance is included in the regulation to tell when an accumulation of changes constitutes a "substantial alteration", as follows:

a) Vertical Center of Gravity (VCG) raised 2" or more. (For "DESTINATION", the lightship VCG is 15.03'. An example of the amount of weight that would raise the ship's VCG 2" would be the removal of 10,000 lbs at the height of the engine room grating.)

b) 3% change in lightship displacement. (The current lightship displacement is 221.85 long tons. 3% of this is 14,908 lbs.)

c) Longitudinal Center of Gravity (LCG) changed more than 1% of the vessel length. (On "DESTINATION", this amounts to a shift of approx. 12 inches.)

If any of these limits are exceeded, then the owner is required to have the stability reviewed by a "qualified individual". In order to keep track of changes to the vessel, the following table may be used to record individual changes:

Date	Description	Amount of weight	Vertical Location	Longitudinal Location