



Marine Safety Center Technical Note

MTN 1-03, CH-2
16715
January 13, 2017

MARINE SAFETY CENTER TECHNICAL NOTE (MTN) NO. 1-03, CH-2

Subj: GUIDANCE ON SUBMITTING T-BOAT PLANS TO THE MARINE SAFETY CENTER

Ref: (a) Navigation and Inspection Circular 8-84, *Recommendations for the Submittal of Merchant Vessel Plans and Specifications*
(b) 46 CFR 177.202, *Plans and information required*
(c) 46 CFR 177.300, *Structural design*

1. Purpose: This Technical Note supplements the information in references (a) through (c) with respect to plan submittal requirements for Subchapter T vessels. Change 2 (CH-2) incorporates minor administrative corrections and updates to enclosure (1).
2. Applicability: The guidelines provided in this Technical Note apply to all 46 CFR Subchapter T vessel plan submissions to the Marine Safety Center (MSC).
3. Discussion:
 - a. The MSC assists the Officer in Charge, Marine Inspections (OCMI) by reviewing detailed plans for the design, construction, alteration, and repair of certificated commercial vessels to ensure they meet the minimum standards for hull structures, stability, engineering systems, etc., as set forth in the U.S. Code of Federal Regulations. As the MSC only reviews plans that it receives, project management of any individual vessel is the responsibility of the cognizant OCMI.
 - b. Project management by the OCMI includes providing direction to the MSC and managing submitter expectations. The cognizant OCMI should communicate to vessel representatives and the MSC which plans will be sent to the MSC for review; enclosure (1) will serve as a guide for plan review actions for the project.
 - c. For vessel designs using unique or novel arrangements, and/or those plans for which a variance from the regulations is proposed, it is recommended that the plans be discussed with the OCMI prior to submission to the MSC. Any particular areas or issues of concern identified should be noted by the submitter prior to forwarding the plans to the MSC.
4. Action:
 - a. OCMI should provide owner/operator representatives this MTN when directing them to send T-boat plans to the MSC for review. Enclosure (1) contains a checklist of MSC T-boat Plan Review Guidance. OCMI should use this checklist to indicate which items vessel owners must submit to the MSC and, if necessary, provide the associated Plan Review Guidelines to ensure that submitters are aware of all plans, calculations, and supporting information required. These Plan Review Guidelines are accessible on MSC's website at <http://homeport.uscg.mil/msc>.

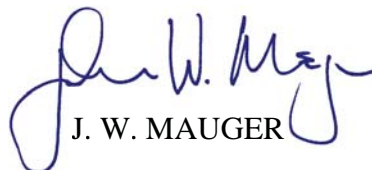
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- b. Plans for arrangements, structure, and stability should be addressed to the Hull Division, and those for electrical or machinery to the attention of the Engineering Division. Enclosure (1) should be submitted to the Marine Safety Center with the first set of plans, either by the OCMI or the submitter, along with a copy of the Application for Inspection, CG-3752.
- c. The preferred method for submission of plans is via email vs. mail service. Plans should be submitted to msc@uscg.mil. Each submission should specify a listing of the plans submitted and submitter contact information. Guidance for submitting large file sizes (10MB and above) and attachment format limitations may be found on our website. If plans cannot be submitted electronically, they can be mailed to the address located on the MSC website. Submit hardcopy in triplicate so that the MSC, the submitter, and the local OCMI receive copies of approved plans.
- d. All correspondence should reference the project number assigned by the MSC. The MSC's goal is to respond to all submittals within 30 days of receipt and to respond within 15 days if the plans and information have been submitted in accordance with Navigation and Vessel Inspection Circular (NVIC) 10-92, Change 2, "Coast Guard Recognition of Registered Professional Engineer Certification of Compliance with Coast Guard Requirements."
- e. Questions should be directed to the MSC via email at msc@uscg.mil, or to one of the following Branch Chiefs:

<u>Branch Chief:</u>	<u>Responsible for:</u>
Small Vessel Branch	Arrangements, Structures & Stability
Machinery Branch	Mechanical Systems, Tanks
Electrical Branch	Electrical Systems

Contact information for the Branch Chiefs above can be found at <http://homeport.uscg.mil/msc>.

5. Disclaimer: While the guidance contained in this document may assist the industry, the public, the Coast Guard, and other Federal and State agencies in applying statutory and regulatory requirements, this guidance is not a substitute for the applicable legal requirements, nor is it in itself a regulation. It is not intended to, nor does it impose legally binding requirements on any party, including the Coast Guard, other Federal agencies, the States, or the regulated community.



J. W. MAUGER

Encl: (1) Plan Review Activity Checklist

Copy: Commandant (CG-ENG), Office of Design and Engineering Standards
Commandant (CG-CVC), Office of Commercial Vessel Compliance
Commandant (CG-5P-TI), Office of Quality Assurance and Traveling Inspections

Plan Review Activity Checklist

Vessel Name:	Official Number	C.G. Number	Hull Number

	Vessel Representative	OCMI Representative
Name:		
Address:		
City/State/Zip:		
Email:		
Phone:		
Signature:		
Date:		

	Activity/Plan	Plan Review Guidance #	Activity/Plan Required?	MSC or Local Review	
Machinery Branch Mechanical Systems, Tanks (202) 795-6755	Bilge and Ballast Systems	E1-02			
	Compressed Air Systems	E1-04			
	Engine Cooling Systems	E1-05			
	Carbon Dioxide Fire Suppression Systems	E1-06			
	Engine Exhaust Systems	E1-07			
	Clean Agent Fire Suppression Systems	E1-08			
	Fire Main Systems	E1-09			
	Fuel Oil Systems	E1-10			
	Fluid Power and Control Systems	E1-12			
	Independent Tanks	E1-16			
	Lubricating Oil Systems	E1-17			
	Pressure Vessels	E1-19			
	Potable Water Systems	E1-21			
	Sanitary Sewage Systems	E1-24			
Steering Gear Piping Systems	E1-26				
Vents and Sounds	E1-29				
Small Vessel Branch Structures, Stability, General Arrangements (202) 795-6734	General Arrangement Plans for Small Passenger Vessels (T)	H1-07			
	Stability	A Simplified Stability Test (SST) conducted by the cognizant OCMI	None		
		If not conducting SST: 1) Stability Test Procedures & 2) Stability for Small Passenger Vessels	GEN-05 H1-01		
	Structure	Steel and Aluminum Vessels	GEN-03		
		Fiberglass Reinforced Plastic Vessels	H1-12		
		Wooden Vessels	H1-13		
Electrical Branch Electrical Systems (202) 795-6764	Fire Detection Systems	E2-09			
	Steering Gear Controls and Alarms	E2-20			
	Electrical Plans - Small Passenger Vessels	E2-23			
	Dynamic Positioning Systems	E2-24			

***Submit this form, along with an application for inspection (CG-3752A) to the MSC with initial plan submission to msc@uscg.mil or the mailing address found online at www.dco.uscg.mil/msc**

Enclosure (1) to MTN 01-03, CH.2