

# PRESS RELEASE



## RECOMMENDED PRACTICES FOR SHIP HEATING, VENTILATION & AIR CONDITIONING DESIGN CALCULATIONS

The Society of Naval Architects and Marine Engineers has published a new Technical and Research Bulletin on Recommended Practices for Ship Heating, Ventilation & Air Conditioning Design Calculations. This T&R Bulletin was developed under the Ships' Machinery Committee of the Society.

The bulletin contains instructions to assist in designing marine heating, ventilation & air conditioning (HVAC) installations for merchant and naval ship designs. This revision is a complete rewrite of the popular but long out of date version of the HVAC Bulletin No. 4-16 published in 1980. Calculations unique to naval ships that can also apply to merchant ships have been added. There is a new section dedicated to the HVAC conversion factor and another to humidity control. Ship's air balance is introduced with examples demonstrating how air balance in the cooling and heating seasons goes beyond supplying and exhausting the same volume of air. Sample forms were revised and two examples included to demonstrate the difference between "push through" and "pull through" air conditioning systems including demonstrative psychrometric charts.

This update is an interim version and those ordering it will be able to download the final version without charge when it is completed in about a year. Bulletin 4-16 is a 68 page report issued electronically and may be ordered for \$40 (\$20 for SNAME members) through the SNAME web site ([www.sname.org](http://www.sname.org)) or by contacting Kristin Walker at [kwalker@sname.org](mailto:kwalker@sname.org) or (703) 997-6710.