

PROCESSING OF DAVITS AND WINCHES FOR COAST GUARD APPROVAL

The following is offered as a standard procedure for processing of a submission to ABS for the purpose of Coast Guard approval of a “typical” launching appliance (davit and/or winch). Novel items or items incorporating non-standard concepts or features may require additional consultation between ABS and the Coast Guard on an *ad hoc* basis to resolve ambiguous issues. This procedure focuses on interactions between ABS, the Coast Guard, and the manufacturer, and addresses internal ABS procedures for technical review only in passing.

1. ABS receives submission from customer.

- a. ABS sends copy of initial correspondence and top-level general arrangement drawings to the Coast Guard (G-MSE-4).

NOTE--This allows the Coast Guard to perform a cursory examination of the submitted design to identify and consult with ABS concerning any potentially controversial issues, and to have basic information concerning the product on hand in the event of inquiries from the customer concerning status or technical issues relating to the project.

- b. ABS begins internal design review process.

2. ABS completes design review of the product.

- a. Using ABS Plan Review Check Sheets and Process Instruction for Certification of U.S. & Foreign Manufactured Equipment/Components, review design(s) against IMO/SOLAS and Coast Guard engineering requirements (46 CFR Subchapter F, or ABS rules plus U.S. supplement).

NOTE—The technical requirements for winches and davits in 46 CFR 160.015 and 46 CFR 160.032 are **obsolete**. The IMO LSA Code, Chapter VI, is the relevant reference for approval requirements for launching appliances. Check sheets should be annotated to reflect review against the requirements of Chapter VI of the IMO LSA Code.

- b. Upon completion of the design review, notify manufacturer of results, providing copy of letter to the Coast Guard (G-MSE-4). Provide the Coast Guard (G-MSE-4) with copies of relevant completed check sheets, and any ABS/manufacturer correspondence addressing identification and resolution of significant design issues.
 1. Instruct appropriate ABS office to dispatch surveyor to conduct plant inspection Survey as required, and supervise appropriate inspections and tests in accordance with IMO Resolution A.689(17). Plant survey should include examination of prototypes against submitted plans during fabrication, and audit of material and welder certifications.
 2. If appliance is for launching of liferafts or lifeboats, the Court Order of 31 May 1983 applies, and prototype construction and testing must be performed under supervision of a Coast Guard marine inspector instead of (or in addition to) an ABS Surveyor. Notify manufacturer to make appropriate arrangements with local Coast Guard OCMI.

3. If desired, request tentative approval numbers from the Coast Guard (G-MSE-4) so as to allow marking of equipment immediately upon completion of testing.

3. Supervise approval testing and inspections of prototypes as required.

- a. ABS Surveyor supervise performance of required inspections and tests in accordance with relevant sections of IMO resolution A.689(17), Part 1. Document results on standard test report forms developed by IMO (copies of forms for davits and winches attached as enclosure (1); we will keep you informed as these forms are further refined by IMO).

NOTE—This is significantly more thorough documentation than has been provided for previous approvals. However, we believe it is important that the use of these test report forms be implemented as soon as possible to promote mutual recognition of test reports.

- b. Upon satisfactory completion of required tests and inspections, mark equipment as appropriate, and provide the manufacturer with copies of necessary certifications.
- c. Provide the Coast Guard (G-MSE-4) with copies of satisfactory test reports, and copies of as-built top-level general arrangement drawings reflecting any changes from previously submitted drawings deemed necessary during approval testing. Completed standard IMO test report forms, stamped by the attending surveyor and signed by the manufacturer, will be considered to meet the reporting requirements of 46 CFR 159.005-11.

4. Document approval as required.

- a. Based on the satisfactory design review and report of satisfactory approval testing, the Coast Guard issues the appropriate approval certificate(s), providing a copy to ABS.
- b. ABS adds the equipment to their Type Approved Equipment listing.
- c. ABS retains complete master file of ABS-stamped design documentation complying with 46 CFR 159.005-12.

5. Subsequent production inspections (rescue boat launching appliances only).

- a. For each production unit after approval is issued, the ABS surveyor supervises the performance of the production tests required by IMO Resolution A.689(17), part 2, section 6.1.1, and examines each production unit to ensure compliance with the approved plans. As part of this examination, the surveyor should audit the associated material and welder certifications to ensure that the production unit is constructed of the appropriate materials by appropriately certified personnel.
- b. The surveyor should ensure that the manufacturer prepares and maintains the production inspection and test records required by 46 CFR 159.007-13.