

Form 7-9 (Attached sheet 1)

A. Li-ion Battery System ⁶ (9.2.1, Part 9, Chapter 7 of “Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use”)		
Documents need to be submitted	Document Title	Document No.
(1)(a) Specification for Li-ion battery system		
(1)(b) System diagram for Li-ion battery system (inc. descriptions of cable sizes, types, materials, etc.)		
(1)(c) Instruction manuals for the control functions of Li-ion battery systems		
(1)(d) List of Items monitored and protected by BMS		
(1)(e) Witness testing plans		
(2)(a) Test reports for cells or modules ⁶		
(2)(b) Test reports for Li-ion battery system ⁶		
(2)(c) Environmental conditions for BMS (temperature, vibration, humidity, EMC and protection grade (IP Grade))		
(3)(a) Documents related to manufacturing and quality control standards for cells and modules		
(3)(b) Past manufacturing and delivery records for cells and modules		
(3)(c) Documents related to manufacturing and quality control standards for BMS		
(3)(d) Past manufacturing and delivery records for BMS		

Note:

6. Describe the test report and certificate issued by third party deemed appropriate by the Society if any.

Form 7-9 (Attached sheet 2)

B. Automatic Devices and Equipment ^{7, 8} (1.2.1, Part 7 of “Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use”)		
Documents need to be submitted	Document Title	Document No.
(1) Specifications (description of the product name, type, principal particulars, use, construction, performance, etc.)		
(2) List of equipment including the similar type		
(3) System diagram (when systems are composed of plural units)		
(4) Construction drawings (general dimensions and sectional assembly plan, etc.)		
(5) Wiring diagram (electrical systems), piping diagram (pneumatic or hydraulic systems)		
(6) List of major parts (this may be included in the above (2) or (4)) (a) Product name, principal particulars, material, quantity, applicable rules and standards are to be specified. (b) Bought-in parts are to be included.		
(7) Instruction manual (including operating procedure)		
(8) Inspection and test specification for quality control (including test data)		
(9) Past records of products (if any)		
(10) Environmental test procedures prepared according to 1.3.		
(11) Certificate and test result certificate issued by bodies recognized by the Society (if any)		

Note:

7. In case apply to “Approval of Use of Automatic Devices and Equipment” simultaneously.

8. Refer to the Chapter 1, Part 7 of “Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use” regarding rules and required documents for “Approval of Use of Automatic Devices and Equipment”.

Form 7-9 (Attached sheet 3)

C. Computer Based System ^{9, 10} (8.2.2, Part 7 of “Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use”)		
Documents need to be submitted	Document Title	Document No.
(1)(a) Quality plan (and quality manual)		
(1)(b) System description (System specification and design)		
(1)(c) FAT program		
(1)(d) Change management procedure		
(1)(e) Other drawings and data deemed necessary by the Society		
(2)(a) A certificate issued in accordance with Chapter 1, Part 7 of Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use or documents proving satisfaction with environmental tests specified in Table 7.1-1 of the Guidance.		
(2)(b) Software test report		
(2)(c) System test report		
(2)(d) FAT report		
(2)(e) Additional FAT documentation (e.g. user manuals)		
(2)(f) Other drawings and data deemed necessary by the Society (e.g. FMEA)		

Note:

9. In case apply to “Approval of Use of Computer Based System” for BMS simultaneously.

10. Refer to the Part 8, Chapter 7 of “Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use” regarding rules and required documents for “Approval of Use of Computer Based System”.