Form 7-9

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| Date:  APPLICATION FOR APPROVAL OF USE OF  LITHIUM-ION BATTERY SYSTEM  (New　　Change　　Renewal)  To: Messrs. NIPPON KAIJI KYOKAI  Name of Applicant:  Address:  (Signature)  We hereby request issuance of a certificate on the following automatic device/equipment in accordance with the Rules for the Survey and Construction of Steel Ships on satisfactory completion of tests and inspection. | |
| Name of Article |  |
| Type  (Those of similar type, if any,  to be described separate) |  |
| Drawings | Fill out “Attached sheet 1”, “Attached sheet 2” and “Attached sheet 3”.  Attached sheet 1: A. Battery System  Attached sheet 2: B. Automatic Device and Equipment (Environmental Test)  Attached sheet 3: C. Computer System (Battery Management System)5 |
| Other Documents |  |
| Apply to “Approval of Use of Computer System for BMS (Battery Management System)”4 | Yes 　 No |
| Where to Contact | Address: |
| Tel.:　　　　　　　　　　　E-mail: |
| Name of Sec. Dept：  Name of person in charge： |
| Remarks |  |

Note:

1. In case space is in short, use separate sheets.

2. Cross out with a straight line on unnecessary letter.

3. The applicant is to be identical to the section of the manufacturer in charge of the equipment concerned.

4. 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”. In case don’t apply for “Approval of Use of Computer Based System”, drawing submission and shop test are to be required for each delivery in compliance with Annex 18.1.1 of NK Rule part D.

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

Form 7-9 (Attached sheet 1)

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| 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 repots for cells or modules6 |  |  |
| (2)(b) Test reports for Li-ion battery system6 |  |  |
| (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)

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| 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)

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| 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”.