

# **Official Announcements of Approved Materials and Equipment for Marine Use**

## **Amended Guidance**

Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use

## **Reason for Amendment**

In Guidance for the Approval and Type Approval of Materials and Equipment for Marine Use, there are some requirements that approved or type approved (hereinafter referred to as "approved") materials and equipment for marine use are to be officially announced once a year for the purpose of notifying information on approved materials and equipment.

On the other hand, the Society officially announces approved materials and equipment with continually updating the latest approval status on the Society's official website in current Society practice, regardless of specifying any requirements related to official announcements of approval. In addition, the Society may take a flexible approach that information on approved materials and equipment is not made public when requested by applicants and such requests are deemed appropriate by the Society.

Accordingly, the relevant requirements are amended to make them more reflective of current Society practice.

## **Outline of Amendment**

- (1) Delete requirements related to official announcements of approved products from each individual chapter and specify a requirement related to official announcements of approved materials and equipment for marine use in Part I “General”.
- (2) Specify requirements stating that information on approved materials and equipment for marine use is not made public when requested by applicants and such requests are deemed appropriate by the Society.

“Guidance for the approval and type approval of materials and equipment for marine use” has been partly amended as follows:

## **Part I      GENERAL**

### **Chapter 1    GENERAL**

Section 1.4 has been added as follows.

#### **1.4            Official Announcement of Approval**

The Society officially announces approved materials and equipment for marine use on its website, etc. However, where requested by applicants for approval and such requests are deemed appropriate by the Society, approved materials and equipment may not be made public.

## Part 1 METALLIC MATERIALS

### Chapter 1 APPROVAL OF MANUFACTURING PROCESS OF ROLLED STEELS

#### 1.5 Approval

Paragraph 1.5.1 has been amended as follows.

##### 1.5.1 Notification ~~and Announcement~~ of Approval

**1** The Society grants approval of the manufacturing process of rolled steels or semi-finished products which have been deemed appropriate on the basis of the reports of the Surveyor and documents submitted in accordance with requirements in 1.2 through 1.4. In this case, a “Certificate of Approval” is published including the name of works, kind of rolled steels, term of validity of approval etc. and the approved content etc. is described in “Particulars of Approval Conditions”.

**2** In addition to -1, for the high strength rolled steels for offshore structures specified in 3.8, **Part K of the Rules for the Survey and Construction of Steel Ships**, the maximum heat input applied to test assemblies for weldability tests in of the manufacturing process approval is to be described in the “Particulars of Approval Conditions”. In addition, where weldability tests are carried out for test assemblies to which post-weld heat treatments are applied, the weldability of the test assembly to which post-weld heat treatment is applied it to be confirmed and the maximum heat input applied to test assembly is to be described in the “Particulars of Approval Conditions”.

**3** Notwithstanding -1 above, for the corrosion resistant steel for cargo oil tanks specified in 3.13, **Part K of the Rules for the Survey and Construction of Steel Ships**, the Society grants approval of the manufacturing process for corrosion resistant steel for cargo oil tanks which have been deemed appropriate on the basis of the reports of the Surveyor and documents submitted in accordance with requirements in 1.2 through 1.4. In this case, a “Type Approval Certificate” is published including the name of works, kind of corrosion resistant steel for cargo oil tanks, term of validity of approval etc. and at least the following items are described in “Particulars of Approval Conditions”.

- (1) Brands name and approval number
- (2) Chemical composition range (additive elements for ensuring corrosion resistance) and corrosion resistance process of the steel
- (3) Maximum thickness
- (4) Applicable welding consumables (the brand names and the approval certificate numbers) and welding methods
- (5) Applicable area

**4** Among those data submitted in accordance with the requirements in 1.2.2 and 1.4.5 which the Society deems necessary, a seal of approval is stamped and returned to the applicant.

~~**5** Once a year, the Society announces rolled steels and semi-finished products which have been granted approval in the form of a table.~~

## **Chapter 1B APPROVAL OF MANUFACTURING PROCESS OF SEMI-FINISHED PRODUCTS**

### **1B.5 Approval**

Paragraph 1B.5.1 has been amended as follows.

#### **1B.5.1 Notification ~~and Announcement~~ of Approval**

**1** The Society grants approval of the manufacturing process of semi-finished products which have been deemed appropriate on the basis of the reports of the Surveyor and documents submitted in accordance with requirements in **1B.2** through **1B.4**. In this case, a “Certificate of Approval” is published including the name of works, type of semi-finished products (rolled steels for hull), term of validity of approval etc. and the approved content including the kind of semi-finished products (rolled steels for hull ingots, slabs, blooms, billets, etc.), steelmaking and casting processes, thickness range of semi-finished products, type of steel (normal or higher strength), etc. is described on the “Particulars of Approval Conditions”. And, it is also to be indicated that the individual users of the semi-finished products are to be approved for the manufacturing process of the specific grade of rolled steel products they are going to manufacture with those semi-finished products.

**2** Among those data submitted in accordance with the requirements in **1B.2.2** and **1B.4.4** which the Society deems necessary, a seal of approval is stamped and returned to the applicant.

~~**3** Once a year, the Society announces semi-finished products which have been granted approval in the form of a table.~~

## **Chapter 2    APPROVAL OF MANUFACTURING PROCESS OF STEEL PIPES**

### **2.5        Approval**

Paragraph 2.5.1 has been amended as follows.

#### **2.5.1        Notification ~~and Announcement~~ of Approval**

**1**        The Society grants approval of the manufacturing process of steel pipes which have been deemed appropriate on the basis of the reports of the Surveyor and documents submitted in accordance with requirements in 2.2 through 2.4. In this case, a “Certificate of Approval” is published including the name of works, kind of steel pipes, term of validity of approval etc. and the approved content etc. is described in “Particulars of Approval Conditions”.

**2**        Among those data submitted in accordance with the requirements in 2.2.2 and 2.4.4 which the Society deems necessary, a seal of approval is stamped and returned to the applicant.

~~**3**        Once a year, the Society announces steel pipes which have been granted approval in the form of a table.~~

## **Chapter 3    APPROVAL OF MANUFACTURING PROCESS OF STEEL CASTINGS AND STEEL FORGINGS**

### **3.5        Approval**

Paragraph 3.5.1 has been amended as follows.

#### **3.5.1        Notification ~~and Announcement~~ of Approval**

~~4~~        The Society grants approval of the manufacturing process for castings and forgings which has been deemed appropriate on the basis of the reports of the Surveyor and the documents submitted in accordance with the requirements in 3.2 through 3.4.

In this case, a “Notice of Approval” is published including the approval number, approval date, approval items etc. and among those data submitted in accordance with the requirements in 3.2~~7~~ and 3.4.5 which the Society deems necessary, a seal of approval is stamped and returned to the applicant.

~~2~~        ~~Once a year, the Society announces castings and forgings which have been granted approval in the form of a table.~~

## **Chapter 5    APPROVAL OF MANUFACTURING PROCESS OF ALUMINIUM ALLOYS**

### **5.5        Approval**

Paragraph 5.5.1 has been amended as follows.

#### **5.5.1        Notification ~~and Announcement~~ of Approval**

**1**        The Society grants approval of the manufacturing process of aluminium alloys which have been deemed appropriate on the basis of the reports of the Surveyor and documents submitted in accordance with requirements in 5.2 through 5.4. In this case, a “Certificate of Approval” is published including the name of works, kind of aluminium alloys, term of validity of approval etc. and the approved content etc. is described in “Particulars of Approval Conditions”.

**2**        Among those data submitted in accordance with the requirements in 5.2.2 and 5.4.4 which the Society deems necessary, a seal of approval is stamped and returned to the applicant.

~~**3**        Once a year, the Society announces aluminium alloys which have been granted approval in the form of a table.~~

## **Chapter 7    APPROVAL OF MANUFACTURING PROCESS OF ALUMINIUM ALLOY SEAMLESS PIPES**

### **7.5        Approval**

Paragraph 7.5.1 has been amended as follows.

#### **7.5.1        Notification ~~and Announcement~~ of Approval**

**1**        The Society grants approval of the manufacturing process of aluminium alloy seamless pipes which have been deemed appropriate on the basis of the reports of the Surveyor and documents submitted in accordance with requirements in 7.2 through 7.4. In this case, a “Certificate of Approval” is published including the name of works, kind of aluminium alloy seamless pipes, term of validity of approval, etc. and the approved content, etc. is described in “Particulars of Approval Conditions”.

**2**        Among those data submitted in accordance with the requirements in 7.2.2 and 7.4.4 which the Society deems necessary, a seal of approval is stamped and returned to the applicant.

~~**3**        The Society announces aluminium alloy seamless pipes which have been granted approval.~~



## **Part 2 EQUIPMENT**

### **Chapter 1 APPROVAL OF MANUFACTURING PROCESS OF ANCHORS**

#### **1.5 Approval**

Paragraph 1.5.1 has been amended as follows.

##### **1.5.1 Notification ~~and Announcement~~ of Approval**

~~¶~~ The Society grants approval to manufacturing processes of anchors which have been deemed appropriate on the basis of surveyor reports and documents submitted in accordance with the requirements in 1.2, 1.3, 1.4, 1.6, 1.7 and 1.8.

In such cases, a “Certificate of Approval” that includes the approval number, approval date, items approved, etc. will be issued. Furthermore, in accordance with the requirements in 1.2.2, 1.4.2, 1.6.1(2), 1.7 and 1.8, the Society will stamp the submitted data it deems necessary with its official seal and return the data to the applicant.

~~2 The Society makes public a list of all anchors whose manufacturing processes are granted approval.~~

## **Chapter 1A APPROVAL OF ANCHORS INTENDED FOR USE ON VESSELS OR FLOATING OFFSHORE FACILITIES FIXED OR POSITIONED AT SPECIFIC SEA AREAS FOR LONG PERIODS OF TIME**

### **1A.4 Approval**

Paragraph 1A.4.1 has been amended as follows.

#### **1A.4.1 Notification ~~and Announcement~~ of Approval**

~~1~~ The Society grants approval to anchors deemed appropriate on the basis of document examination and confirmation survey results. In such cases, a “Certificate of Approval” is issued by the Society, and the Society will stamp the submitted data it deems necessary with its official seal and return the data to the applicant.

~~2~~ ~~The Society makes public a list of all anchors whose are granted approval.~~

## **Chapter 5    APPROVAL OF MANUFACTURING PROCESS OF SYNTHETIC FIBRE ROPES**

### **5.5        Approval**

Paragraph 5.5.1 has been amended as follows.

#### **5.5.1        Notification ~~and Announcement~~ of Approval**

**1**        The Society grants approval to the manufacturing process of synthetic fibre ropes which have been deemed appropriate upon the basis of surveyor reports and documents submitted in accordance with requirements in 5.2 through 5.4. In such cases, a “Certificate of Approval”, which includes the name of the manufacturer, the approval date, etc., is issued and the details of the approval, etc. are described in the “Particulars of Approval Conditions”.

**2**        In accordance with the requirements in 5.2.1 and 5.4.2, the Society will stamp submitted data it deems necessary with a seal of approval and return such data to the applicant.

~~**3**        The Society announces synthetic fibre ropes which have been granted approval in the form of a table.~~

## **Chapter 9    APPROVAL OF USE OF FIBER REINFORCED PLASTIC (FRP)**

### **9.5        Notice of Approval**

Paragraph 9.5.1 has been amended as follows.

#### **9.5.1        Notification ~~and Announcement~~ of Approval**

~~1~~        The Society will examine the submitted documents specified in **9.2**, the confirmation survey specified in **9.3**, and the approval tests specified in **9.4**. If these documents are found to be in order, the FRP is approved and an approval certificate will be issued. The name of the manufacturer, the name of production site, the name of the approved FRP, the valid period of approval, the standard service conditions, the level of fire integrity, etc. will be indicated on each approval certificate.

~~2~~        ~~Once a year, the Society will announce all of the approved FRP in the form of a table.~~

## **Part 3 WELDING CONSUMABLES**

### **Chapter 1 APPROVAL OF WELDING CONSUMABLES**

#### **1.5 Approval**

Paragraph 1.5.1 has been amended as follows.

##### **1.5.1 Notification ~~and Announcement~~ of Approval**

~~1~~ The Society examines the submitted test record and results of confirmation survey, and if found satisfactory, the welding consumables shall be approved and an approval certificate shall be issued to each brand. The date of issue of the approval certificate is to be coincided with the date of completion of the approval test.

~~2~~ ~~Once a year, the Society announces approved welding materials in a form of a table.~~

## **Part 4 NON-METALLIC MATERIALS AND COATING MATERIALS FOR HULL**

### **Chapter 4 APPROVAL OF COATING SYSTEM**

#### **4.5 Notice of Approval**

Paragraph 4.5.1 has been amended as follows.

##### **4.5.1 Notification ~~and Announcement~~ of Approval**

~~1~~ The Society examines the submitted documents specified in 4.2 to 4.4, and if found satisfactory, the coating system is approved and an approval certificate is issued to each brand. The date of issue of the approval certificate is to be coincided with the date of the approval test.

~~2~~ ~~Once a year, the Society announces approved coating system in a form of a table.~~

## **Part 6 MACHINERY**

### **Chapter 1 APPROVAL OF STANDARDIZED DESIGN FOR MACHINERY AND EQUIPMENT**

#### **1.3 Approval**

Paragraph 1.3.1 has been amended as follows.

##### **1.3.1 Notification ~~and Announcement~~ of Approval**

~~1~~ The Society, when satisfied upon examination that the drawings and documents fulfill the requirement concerned, will agree on handling these drawings and documents as the standardized design. Then one copy each of the drawings and documents will be returned to the applicant with approval stamp of the Society, approval date, approval number and term of validity indicated on them.

~~2~~ ~~The Society will make announcement the approval of standardized design per the list published annually.~~

## Chapter 2 TYPE APPROVAL OF USE OF MACHINERY AND EQUIPMENT

### 2.5 Approval

Paragraph 2.5.1 has been amended as follows.

#### 2.5.1 Notification ~~and Announcement~~ of Approval

1 The Society, when satisfied upon examination of the submitted documents as required per 2.2 to 2.4 and the attending surveyor's report, will issue a certificate of approval specifying the following (1) to (6), put approval stamps on those documents as deemed necessary by the Society out of those submitted in accordance with 2.2.2 and 2.4.4 deemed necessary by the Society, and return them back to the applicant.

- (1) Approval number
- (2) Approval date
- (3) Approval items
- (4) Approval conditions
- (5) For air pipe automatic closing devices, 80% of the value of the flow velocity recorded in 2.4.2-10(2)(c)
- (6) Other information considered necessary by the Society

2 As one of the approval conditions specified in the preceding -1, the Society may request to prove the performance of the machinery and equipment by limiting tentatively its use to a ship as a test case.

~~3 The Society will make announcement the approval of the machinery and equipment per the list published annually.~~



## **Chapter 7    APPROVAL OF VENTING SYSTEMS AND RELATED EQUIPMENT FOR OIL TANKERS**

### **7.5        Approval**

Paragraph 7.5.1 has been amended as follows.

#### **7.5.1        Notification ~~and Announcement~~ of Approval**

~~1~~        The Society grants approval for eliminating a part of the test specified in 7.4 against venting systems and related equipment for oil tankers as deemed appropriate in accordance with data submitted according to the requirement in 7.2 through 7.4 and on reports of the surveyor. In this case, the “Notice of Approval” is published including the approval number, approval date, approval items, approval conditions etc. and, at the same time, among those drawings and documents submitted in accordance with the requirements in 7.2.3 and 7.4.4, which the Society deems necessary, a seal of approval is stamped and returned to the applicant.

~~2~~        ~~Once a year, the Society makes an announcement, in the form of a list, of venting systems and related equipment for oil tankers which conform to the requirements in this chapter.~~

## **Chapter 8    APPROVAL OF USE OF RECIPROCATING INTERNAL COMBUSTION ENGINES**

### **8.6        Handling after Approval**

Paragraph 8.6.1 has been amended as follows.

#### **8.6.1        Notification ~~and Announcement~~ of Approval**

After the requirements in the preceding sections have been satisfactorily completed, the Society will issue a certificate of approval specifying the approval number, date and conditions, etc. upon examination of the submitted documents and surveyor's reports ~~and make announcement the approval per the list published annually.~~

## **Chapter 11 APPROVAL OF USE FOR EXHAUST DRIVEN TURBOCHARGERS**

### **11.5 Approval**

Paragraph 11.5.1 has been amended as follows.

#### **11.5.1 Notification ~~and Announcement~~ of Approval**

~~1~~ The Society, when satisfied upon examination of the submitted documents as required per 11.2 to 11.4 and the attending surveyor's report, will issue a certificate of approval specifying the approval number, approval date, approval items, approval conditions etc., put approval stamps on those documents deemed necessary by the Society out of all submitted in accordance with 11.2.2 and 11.4.4, and return them back to the applicant.

~~2 The Society will announcement the approval of turbochargers in a list published annually.~~

## Chapter 12 APPROVAL OF USE OF WELDED TYPE PIPE JOINTS UNDER SPECIAL REQUIREMENTS

### 12.5 Approval Tests

Paragraph 12.5.1 has been amended as follows.

#### 12.5.1 Notification ~~and Announcement~~ of Approval

~~‡~~ The Society (Head Office) is to approve the use of pipe joints made of materials complying with international or national standards such as *ISO*, *JIS*, etc. in cases where it considers the results of confirmation and approval tests appropriate, and to issue a “Certificate of Approval”, which includes the name of the manufacturer, kind of pipe joint, processing method, heat treatment method, name of the manufacturer of the primary material, primary material grade mark, the valid period of approval etc. In addition, the Society is to stamp all data, which it deems necessary, submitted in accordance with the requirements in 12.2.2 and 12.4.4 with its seal of approval and return such data to the applicant.

~~2 — Once a year, the Society publically releases a list of pipe joints which have been granted approval.~~

## **Part 7    CONTROL AND INSTRUMENTATION EQUIPMENT AND ELECTRICAL INSTALLATIONS**

### **Chapter 3    APPROVAL OF CABLE LAYING**

#### **3.5        Approval**

Paragraph 3.5.1 has been amended as follows.

##### **3.5.1        Approval Notice ~~and Publicity~~**

~~1~~     The Society, when satisfied upon examination of the submitted documents as required per 3.2 to 3.4 and the report of the attending surveyor, will approve the fire stop methods or non-metallic cable supports and issue an approval notice stating the approval number, date of approval, particulars and conditions, etc., and return the documents submitted under the requirements of 3.2.2 and 3.4.4 back to the applicant by putting approval stamp on some of them.

~~2~~     ~~The Society will make public the approval by the list published annually.~~

## **Chapter 4    APPROVAL OF USE OF LEVEL INDICATORS**

### **4.5        Approval**

Paragraph 4.5.1 has been amended as follows.

#### **4.5.1        Notice of Approval ~~and Publicity~~**

~~1~~        The Society, when satisfied upon examination of the submitted documents as required per 4.2 to 4.4 and the attending surveyor's report, will approve the use of machinery equipment. In this case, the Society will issue a certificate of approval specifying the approval number, approval date, items of approval and approval conditions, put approval stamps on the documents as deemed necessary by the Society out of those submitted in accordance with 4.2.3 and 4.4.4, and return them back to the applicant.

~~2~~        ~~The Society will make public the approval of per the level indicator.~~

## **Chapter 5    APPROVAL OF USE OF WATER LEVEL DETECTION AND ALARM SYSTEMS**

### **5.5        Approval**

Paragraph 5.5.1 has been amended as follows.

#### **5.5.1        Notice of Approval ~~and Publicity~~**

~~4~~     The Society, when satisfied upon examination of the submitted documents as required per 5.2 to 5.4 and the attending surveyor's report, will approve the use of the water level detection and alarm system. In this case, the Society will issue a certificate of approval specifying the approval number, approval date, items of approval and approval conditions, and put approval stamps on the documents as deemed necessary by the Society out of those submitted in accordance with 5.2.3 and 5.4.4, and return them back to the applicant.

~~2~~     ~~The Society will make public the approval of the water level detection and alarm system.~~

## **Chapter 7 APPROVAL OF USE OF GAS DETECTION EQUIPMENT**

### **7.5 Approval**

Paragraph 7.5.1 has been amended as follows.

#### **7.5.1 Notice of Approval and Publicity**

~~1~~ The Society, when satisfied upon examination of the submitted documents as required per 7.2 to 7.4 and the attending surveyor's report, will approve the use of the gas detection equipment. In this case, the Society will issue a certificate of approval specifying the approval number, approval date, items of approval and approval conditions, and put approval stamps on the documents as deemed necessary by the Society out of those submitted in accordance with 7.2.2 and 7.4.9, and return them back to the applicant.

~~2 The Society will make public the approval of the gas detection equipment.~~