

RULES FOR APPROVAL OF MANUFACTURERS AND SERVICE SUPPLIERS

Rules for Approval of Manufacturers and Service Suppliers
2017 AMENDMENT NO.1

Rule No.91 25 December 2017
Resolved by Technical Committee on 26 July 2017

ClassNK
NIPPON KAIJI KYOKAI

AMENDMENT TO THE RULES FOR APPROVAL OF MANUFACTURERS AND SERVICE SUPPLIERS

“Rules for approval of manufacturers and service suppliers” has been partly amended as follows:

Part 3 REQUIREMENTS FOR APPROVAL OF SERVICE SUPPLIERS

Chapter 15 FIRMS ENGAGED IN TIGHTNESS TESTING OF PRIMARY AND SECONDARY BARRIERS OF GAS CARRIERS WITH MEMBRANE CARGO CONTAINMENT SYSTEMS FOR VESSELS IN SERVICE

15.3 Operators and Supervisors

15.3.1 Qualifications

Sub-paragraph -2 has been amended as follows.

1 Suppliers engaged in acoustic emission (AE) testing

- (1) Operators carrying out AE testing are to have the following competence and experience:
 - (a) Operators are to be certified to a recognized national or international industrial standard (e.g., Level I, *ISO-9712* (as amended) or *SNT-TC-IA* (as amended)); and
 - (b) Operators are to have adequate knowledge of ship structures sufficient to determine sensor placement.
- (2) Supervisors carrying out AE testing are to have the following competence and experience:
 - (a) Supervisors are to be certified to a recognized national or international industrial standard (e.g., Level II, *ISO-9712* as amended or *SNT-TC-IA* as amended); and
 - (b) Supervisors are to have had one year of experience as an operator.

2 Suppliers engaged in thermographic testing

- (1) Operators carrying out thermographic testing are to have the following competence and experience:
 - (a) Operators are to be certified to a recognized national or international industrial standard (e.g., Level I, *ISO-9712* (as amended) or *SNT-TC- IA* (as amended)) with additional certification in infrared/thermal testing. ~~Certification by the supplier is not allowed and is to be obtained through an independent certification body.~~ *SNT-TC- IA* certified personnel is to provide evidence that training on Level I or above has been administered by an independent training body centrally certified to ASNT or a comparable nationally recognized certification scheme.
 - (b) Operators are to have adequate knowledge of ship structures sufficient to determine position for each identified image, and of the containment system to understand the basis of the testing.
- (2) Supervisors carrying out thermographic testing are to have the following competence and experience:
 - (a) Responsible supervisors are to be certified to a recognised national or international industrial standard (e.g., Level II, *ISO-9712* (as amended) or *SNT-TC-IA* (as amended)) with additional certification in infrared/thermal testing. ~~Certification by the supplier is not allowed and is to be obtained through an independent certification body.~~ *SNT-TC- IA*

certified personnel is to provide evidence that training on Level II or above has been administered by an independent training body centrally certified to ASNT or a comparable nationally recognized certification scheme.

~~(b) Supervisor are to have had one year of experience as an operator.~~

15.5 Evaluation of Testing

Paragraph 15.5.2 has been amended as follows.

15.5.2 Evaluation of Thermographic Images

Evaluation of thermographic images is to be carried out by a supervisor or an individual certified to a recognized national or international industrial standard (e.g., Level II, *ISO-9712* (as amended) or *SNT-TC-1A* (as amended)) with additional certification in infrared/thermal testing. ~~Certification by the supplier is not allowed and is to be obtained through an independent certification body.~~ *SNT-TC-1A* certified personnel is to provide evidence that training on Level II or above has been administered by an independent training body centrally certified to ASNT or a comparable nationally recognized certification scheme.

EFFECTIVE DATE AND APPLICATION

1. The effective date of the amendments is 1 January 2018.