

CHECKLIST FOR RENEWAL/EXTENSION OF APPROVED MANUFACTURERS

Renewal Extension Change of company name

Particulars of Manufacturer

Manufacturer (full name with legal entity): **IRC Industria Raccorderie Cortemaggiore S.p.A.**

Manufacturer address as to be stated on certificate (Street, Town, Country): **Via E. Fermi, 7
29016 Cortemaggiore PC
Italy**

Phone No. / Email address: **+39 0523839600 / m.riva@ircbwf.it**

Certificate No: **AMMM00002JJ** Revision No: **-**

Class Programme No: **DNV-CP-0252 (Steel pipes and steel pipe fittings)**
DNV Rules of Classification of Ships Pt.2 Ch.2
DNV Rules of Classification Offshore units OS-B101

Product category (e.g. rolled product, forgings, castings etc): **Steel Pipe fittings for grades:**
C and C-Mn, alloy steels: tee, elbow and reducer from seamless pipe; cap from plate

Max. wall thickness:
(in case it is not stated on current approval certificate) **- Max. diam: 610,00mm**
- Max. thickness: 30,00mm

Expiry date: **2022-07-15**

Checklist	Yes	No	Comments
1. Has the manufacturer's name changed? If yes, is the CRM system (Affinitas) already updated accordingly?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	see new correct name as reported in the current account number
2. Is the manufacturer approval documentation (related to the current and preceding approvals) available at the manufacturer and accessible to the surveyor?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Yes and filed in QC and commercial Office REMARK - The Manufacturer has been reminded that only DNV approved Manufacturers of ingots & blooms shall be selected among their supplier in case of materials to be delivered with Works or NV Certificate - The Manufacturer was informed that in case of use a subcontractor for heat treatment, this company must be approved according to Class Programme No.DNV-CP-0351 for "Heat treatment workshop"
3. Are relevant current editions of rules or/and standards and class programme available at the manufacturer?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	-
4. Has existing approval been checked against requirements as per relevant current editions of class programme and rules or/and standards?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	-
5. Is additional documentation as required by current class programme available and uploaded? (heat treatment, applicable thicknesses etc.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Same to previous certificate, no other action



Checklist	Yes	No	Comments
6. Are there any changes in the factory production control routines, identification and traceability system, NDT methods or laboratory equipment used?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	- External Laboratory accredited ISO 17025 for mechanical test (tensile, impact tests and hardness test), metallographic examination, chemical analysis and corrosion test. - Checked of qualification for different operators as level II and III for NDT examination acc. to ASNT and ISO 9712
7. Are qualification of personnel and calibration of equipment for NDT and destructive testing up to date and suffice the DNV requirements for testing of the products?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Checked and found ok acc. to QMS; see above point
8. Are there any changes in the production equipment or methods?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Same to previous certificate, no other action
9. Are there any changes in the materials which are contained in the scope of approval? (chemistry, thickness/weight, condition of supply etc.)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Same to previous certificate, no other action
10. Will the approval be extended to other materials or alloys? If "yes", is a detailed approval request and well as the required documentation including a detailed approval report according to the valid class programme submitted?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Same to previous certificate, no other action
11. Are there any production- or quality control processes outsourced, such as testing, heat treatment, forming, welding? If yes, please state which and if implemented into QM system of client. If yes, but not implemented into QM system, please state the applicable qualification evidence, such as recognition or approval by DNV.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	All activities are internal carry out, not subcontracting any production activity. The only external activity is a machining process (only for milling process) but it is outside of our scope of certification; in any case the quality control for this step is implemented in the QMS
12. In case of in-house heat treatment facilities the following shall be submitted: - latest thermocouple calibration documents - temperature uniformity survey	<input checked="" type="checkbox"/>	<input type="checkbox"/>	See uploaded docs
13. Has an inspection of the works been carried out by a DNV surveyor with satisfactory results?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Milan Office File A1322340 NPS job 263.11-009819-2_according to DNV Class Programme No.DNV-CP-0252

Remarks:

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Based on the above checklist, a renewal/extension/reissue of the above approval is recommended.

Issued at **Milan Maritime Office** on **2023-03-03**



for **DNV**

This document has been digitally signed and will therefore not have handwritten signatures

Paolo Boniotti
Surveyor