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# DET NORSKE VERITAS

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## MANUFACTURING SURVEY

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### ARRANGEMENT

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**MSA NO. R-1703**  
The MSA consists of 5 pages

*Between*  
**Scana Steel Stavanger AS**  
Stavanger, Norway

*and*  
**Det Norske Veritas AS**  
DNV STAVANGER OFFICE

*Extent*  
This Manufacturing Survey Arrangement (MSA) is applicable to  
**STEEL CASTINGS AND FORGINGS**  
subject to testing and inspection for conformance with the  
requirements of DNV Classification Rules, as stated herein.

The MSA implies that the Manufacturer is authorised to perform certain steps in the  
production process without attendance of the Surveyor  
Material certificates will be prepared by the Manufacturer and validated by DNV.

*Validity*  
The MSA is valid until 2013-06-30.  
The MSA will, however, be invalid if the Approval of Manufacturer certificates or  
Manufacturer's Quality System Certificate No. 800027 has expired or is cancelled.

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



## 1. SCOPE OF WORK

For products to be certified for conformance with DNV Rules for Classification of Ships, High Speed, Light Craft and Naval Surface Craft and DNV Offshore Standard, the following conditions stated will come into force.

This MSA does not cover cast accessories for offshore mooring chain.

### 1.1 Reference Documents

- I. DNV Rules for Classification of Ships/ High Speed, Light Craft and Naval Surface Craft Pt.2 Ch.1 and Ch.2
- II. DNV Offshore Standards DNV-OS-B101.
- III. The Manufacturers documented and accepted procedures for inspection and testing of approved materials, ref. Quality Assurance Handbook - Part 3
- IV. Approval of Manufacturer Certificate (AMM)  
Certificate No. AMM-4194, Steel Forgings  
Certificate No. AMM-4193, Steel Castings
- VI. Quality System Certificate No. 800027, issued by NEMCO Certification, valid to 2010-04-30.

### 1.2 Approvals

Application for renewal of AMM Certificates must be sent to Det Norske Veritas AS, Maritime Stavanger, 3 months before date of expire.

## 2. GENERAL

The Manufacturer agrees to give free access and support to Det Norske Veritas' Surveyor for verification purpose.

### 2.1 Audit

Audit may be carried out in order to verify the details described in this MSA entrusted the manufacturer. Adherence to this MSA will also be audited during our regular visits to Scana Steel Stavanger in connections with certification of materials.

Unscheduled inspections of the different stages in the production process may be carried out occasionally. Any audits or unscheduled inspections will be invoiced pr. hour extra time spent. Manufacturer writes all DNV Certificates before signing by Surveyor.



## **2.2 Chemical analyses**

The manufacturer's declared analysis will be accepted provided documented data are available for the attending surveyor. Occasional checks will be carried out.

## **2.3 Test Material for Mechanical Destructive Testing**

The manufacturer is entrusted marking of test material for mechanical testing, provided detail procedure P-DHV-036 described in the Quality Manual is strictly adhered to.

## **2.4 Visual Inspection**

Before acceptance, all castings and forgings are to be presented to the surveyor for visual examination. Where applicable, this is to include the examination of internal surfaces and bores. Unless otherwise agreed, the verification of dimension is the responsibility of the manufacturer.

## **2.5 Non-destructive testing, NDT**

NDT is entrusted the manufacturer on the basis of documented and accepted procedures No. P-LKT-007 and the use of qualified and certified personnel familiar with requirement for NDT as stated in DNV Rules and associated certification and classification Notes. Records shall be made for the relevant manufacturing data and presented the attending DNV Surveyor before issuing and signing/stamping of material Certificates.

## **2.6 Repair**

Reference is made to relevant part of DNV rules as referred in 1.1. above.

## **3. MATERIAL CERTIFICATE**

Records shall be made of the relevant manufacturing data and the results of all specified testing and inspection necessary for conformance to the Rules. Material certificates are to be prepared by the Manufacturer.

The material certificates have to contain all relevant information as required by the Rules. They are to be forwarded to the DNV Surveyor for validation.

A copy of the material certificates are to be retained at the manufacturer as quality records and the retention period to be as stated in the Quality Management System.



#### **4 NON-CONFORMANCES**

The manufacturer is to report any deviation from the Rules.

All customer complaints to materials delivered under this agreement shall be reported to DNV. A procedure for reporting of customer complaints has to be established by the manufacturer and approved by DNV. At once the manufacturer has received a customer complaint on material certified under this MSA agreement DNV local office shall be notified. It is up to DNV to decide if further involvement is necessary or not at that time.

#### **5. REPORTING BY DNV**

##### **5.1 Validation of Material certificates**

The inspection reports prepared by the Manufacturer will be reviewed, endorsed and stamped by the Surveyor, and are only valid with such endorsement and stamping.

##### **5.2 Information to Manufacturer**

DNV will inform the Manufacturer of new or amended Rules and regulations which would affect the arrangements authorised.

#### **6. MARKING FOR IDENTIFICATION**

The sampling of test piece and unique marking for traceability shall comply with Scana Steel Stavanger procedure P-DHV-036.

Materials which have been satisfactorily tested and inspected shall be marked as required by the Rules.

#### **5. MONITORING AND ADMINISTRATION OF THE MSA**

The DNV Stavanger office is responsible for:

- 1) Surveillance of the MSA
- 2) The daily contact with the manufacturer
- 3) Review and validation of material certificates
- 4) Invoicing of the material certification
- 5) Filing of the documentation in accordance with internal procedures.



## 6. FEES AND PAYMENT TERMS

Certification fees will be charged in accordance with agreed fees.

## 7. VALIDITY

Any changes in production process, procedures or other matter that may influence the validity of the MSA or condition stated herein are to be submitted to DNV for evaluation.

The MSA will be invalid if:

- a) Approval of Manufacturer Certificate has expired or is cancelled
- b) The QSC certificate has expired or is cancelled
- c) The possible non-conformities from inspection audits are not responded to and/or corrective actions are not implemented within the agreed date

Place and date: *Jørpeland 09.09.09*

*Peter Lidegran*  
Scana Steel Stavanger AS, Jørpeland

*Peter Lidegran, Quality Manager*

*Eirik Jacobsen*  
Eirik Jacobsen – Station Manager  
for Det Norske Veritas AS