



# DET NORSKE VERITAS

## TYPE EXAMINATION CERTIFICATE

**CERTIFICATE NO. K-5856**

This Certificate consists of 3 pages

*This is to certify that the*  
**Man Over Board Retrieval Systems**

*with type designation(s)*  
**Dacon Rescue Scoop,  
Dacon Rigid Scrambling Net &  
Dacon Rescue Frame**

*Manufactured by*  
**Dacon AS**  
STABEKK, Norway

*is found to comply with*  
The UK Oil & Gas ERRV Survey Guidelines (Sec. 5.2, 5.3 and 5.4)  
NMD REG 1991-10-16 No. 853 §17(2) and § 17(4).

*Application*  
For use as Man Over Board Retrieval Systems.

*Place and date*  
Høvik, 2014-03-18  
for DET NORSKE VERITAS AS

Martin Strande  
Head of Section



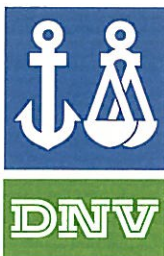
*Local Office*  
Oslo Maritime and CAP

*This Certificate is valid until*  
2018-06-30

Gisle Hersvik  
Surveyor

Notice: This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.  
The validity date relates to the Type Examination Certificate and not to the approval of equipment/systems installed.

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.



Cert. No.: K-5856  
File No.: 332.43

## Product description

### **Dacon Rescue Scoop (RSA/RSB/RSC), Dacon Rigid Scrambling Net & Dacon Rescue Frame.**

Please refer to relevant Dacon product information/brochures on details for the various equipments.

#### ERRVA - Statement:

Dacon equipments are accepted and approved for fitting aboard *Emergency Response and Rescue Vessels (ERRVs)* that are certified by the *UK Maritime & Coastguard Agency*, in accordance with *The UK Oil & Gas ERRV Survey Guidelines*, and it is confirmed that the following equipment complies with the relevant sections of those Survey Guidelines:

#### **Equipment**

Dacon Rigid Scrambling Net  
Dacon Rescue Scoop  
Dacon Rescue Basket  
Dacon Rescue Frame

#### **Survey Guidelines Section/Title**

5.2.2 Recovery from the Sea by Climbing Aids  
5.2.3 Power-Assisted Methods of Recovering Survivors  
5.2.4 Temporary Refuge in the Sea  
5.3.8 FRC Equipment (e) A net or cradle system for recovery of persons from the water.  
5.4.4 Daughter Craft (DC)

#### NMD/ Sjøfartsdirektoratet

With reference to REG 1991-10-16 No. 853 we confirm that Dacon Rescue Scoop is considered as approved as rescue equipment in accordance with § 17(4). A Rescue Basket alone is not sufficient to meet the requirement.

The crane operating mentioned equipment shall meet the recommendations given by the maker. In addition the following applies:

- Slewing ring shall be dimensioned for being used at 20° heel.
- The runner ("mantel") shall be as light weighted as possible. However, a plummet / ball etc. to pull the wire is not accepted.
- Requirements given in REG 19897-01-17 No. 4 shall be met.

## Application/Limitation

The equipment shall be installed, operated and maintained as per Dacon's recommendations.

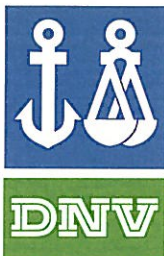
Operating limitation of the equipment shall also be as per Dacon's recommendations.

## Type Examination documentation

1. Email from ERRVA of 2013-11-13, incl. Statement re. Dacon equipments.
2. Email from DNV Oslo of 2013-07-17, incl. Assessment Report and proposed inspection intervals for Dacon's equipment.
3. Statement from NMD/Sjøfartsdirektoratet of 2013-09-25.
4. Product Specifications, Drawings, Material Specifications, Brochures, Presentations, Test Results.
5. Various correspondences and meetings between DNV GL and Dacon AS in the period October 2011-February 2014.

## Inspection intervals equipment

Dacon's equipment shall be inspected regularly as per Dacon's recommendations.



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### Marking of product

Product(s) shall be marked with the *manufacturer's name*; **Dacon AS, Norway**, *type designation*, *serial number* and *production year*.

The marking is to be carried out in such a way that it is visible, legible and indelible. The marking of product is to enable traceability to the DNV Type Examination Certificate.

### Periodical assessment

The scope of the Periodical Assessment is to verify that the conditions stipulated for the Type Examination is complied with and that no alterations are made to the product design or choice of materials.

Periodical Assessment to be performed after two (2) years (Certificate Retention) and at renewal after four (4) years (Certificate Renewal).

The main elements of the Periodical Assessment are to:

- Ensure that Type Examination documentation is available.
- Review design, materials, production process, and performance with respect to possible changes, in order to ensure compliance with Type Examination documentation and/or referenced material specifications.
- Ensure traceability between manufacturer's product marking and the DNV Type Examination Certificate.

END OF CERTIFICATE