



Hansen Protection AS  
Att.: Dag Norli  
Postboks 218  
1501 Moss

DET NORSKE VERITAS AS  
Approval Ship and Offshore  
Fire Safety and Life-Saving  
P.O.Box 300  
1322 Høvik  
Norway  
Tel: +47 67 57 99 00  
Fax: +47 67 57 99 11  
<http://www.dnv.com>  
Org. No: NO 945 748 931 MVA

Your ref.:

Our ref.:  
TNANO844/HEBJO/29 Other-J-12629

Date:  
2013-01-16

## Reg. immersion suits and winterization

Dear Sir

DNV does not currently offer type approval for winterized lifesaving appliances as there are no standards developed for it.

Lifesaving appliances shall be approved by the administration (SOLAS III/4.1). In order to be approved the lifesaving appliances need to be tested and approved according to the requirements given in LSA Code and IMO Res. MSC 81(70) as amended. DNV Type Approval Certificates are issued based on the above and accepted by administrations for which DNV is a recognized organization.

The additional class notations Winterization Cold (t1, t2) and Winterization Arctic (t1, t2) require insulated immersion suits (DNV Rules for Ships, January 2013 Pt.5 Ch.1 Sec.6 C308). Type approved insulated immersion suits will satisfy this requirement. However considering that a type approved immersion suit is not approved for storage below - 30 deg. C, this means that the suits cannot be stored in exposed positions without ensuring that the minimum storage temperature will remain below -30 deg. C, e.g. by heating in cabinet or storage indoors.

The above means that unless the administration has any additional requirement related to the insulated immersion suits for vessels operating in cold climates, a valid type approval for an insulated immersion suit will be acceptable for such vessels.

Yours faithfully  
for DET NORSKE VERITAS AS

Petter Langnes  
Head of Section  
Fire Safety and Life-Saving

Helge Bjørnarå  
Senior Approval Engineer