



Certificate of Approval

Approving a Radio Service Supplier for the Supply of
Inspection Services on Ships and Mobile Offshore Units

No. HBR0/HIN/20110106095834



Issued within the scope of the Bureau Veritas Marine Division General Conditions
Délivrée dans le cadre des Conditions Générales de la Division Marine du Bureau Veritas

Company: **INTERSCHALT maritime systems AG**

Company address*: Osterbrooksweg 42

22869 Schenefeld
GERMANY

Scope of the approval:

Technical evaluation, under the supervision of a Bureau Veritas Surveyor, of ship borne radio installations as specified in the attached Schedule of Approval.

This is to certify that:

The undersigned Surveyor of the Society, acting within the Bureau Veritas Marine Division General Conditions, has performed, at the Service Supplier's request, an assessment of the facilities, organisational structure and procedures of the said Service Supplier, in compliance with the relevant requirements of the Society Rule Note NR 533.

The facilities, organisational structure and procedures were found satisfactory for the servicing of the equipment described in the attached Schedule of Recognition.

The Certificate is valid until**: 15 December 2013

Completion date of the assessment on which this certificate based: 16 December 2010

At: HAMBURG on 6 January 2011

Bureau Veritas Surveyor's signature :

For BUREAU VERITAS
Min Qu



* Refer to the appendix for the list of subsidiaries covered by this certificate

** Not later than 3 years after the date of evaluation

The latest published Rules of the Bureau Veritas Marine Division and the General Conditions therein are applicable.

La dernière édition des Règlements de la Division Marine du Bureau Veritas ainsi que les conditions Générales qui y figurent sont applicables

Any person not a party to the contract pursuant to which this certificate is delivered may not assert a claim against Bureau Veritas for any liability arising out of errors or omissions which may be contained in said certificate, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in the establishment or issuance of this certificate, and in connection with any activities for which it may provide.

Toute personne qui n'est pas partie au contrat aux termes duquel ce document est délivré ne pourra engager la responsabilité du Bureau Veritas pour les inexactitudes ou omissions qui pourraient y être relevées ainsi que pour les erreurs de jugement, fautes ou négligences commises par le personnel de la Société ou par ses agents dans l'établissement de ce document et dans l'exécution des interventions qu'il comporte.

SCHEDULE OF THE APPROVAL

1- List of equipment and systems

	New installations	Existing installations	Type	Manufacturer
GMDSS installations	[X]	[X]	Any	Any

For extension of this Recognition to types and/or manufacturers of Equipment other than those already listed in this Certificate, it may be necessary that the Service Supplier applies for and obtains authorization of the said manufacturers.

2- List of subsidiaries covered by this certificate

N/A

3- Condition for the validity of the certificate of approval

The certification is valid insofar as the inspection duties are actually assumed by personnel of the Service Supplier who has been assessed by the Society.

The Society reserves the right to invalidate this certificate of approval in case of :

- a wilful act or omission or grossly negligent act or omission in the performance of the services or in the reporting,
- major deviations from the qualified system of the Service Supplier,
- services performed outside the scope of the qualification or by a technician of the Service Supplier who has not been assessed by the Society for the undertaken inspections activities,
- unreported alterations to the system or technical personnel

4- Other conditions

The present certificate does not apply to personnel(s) engaged in technical evaluation, under the supervision of a Bureau Veritas Surveyor, of ship borne radio installations and no approval certificate is issued by the Society.

5- Endorsement where an intermediate audit has been performed

Signed:
(Surveyor to Bureau Veritas)


Place:

Date:

Company:
Assessment report attached to Certificate No. [...]

**Assessment Report for the approval of a Radio Company
supplying Inspection Services on Ships and Mobile Offshore Units**

Item	
Company Name :	INTERSCHALT maritime systems AG
Location of the Service Station being assessed :	Osterbrooksweg 42 22869 Schenefeld / Hamburg Germany
Location of other Servicing Stations / List of subsidiaries :	None
Persons who have been met, their role or functions :	1. Mr. Dariusz Wagner, Vice President Service, Radio Surveyor 2. Mr. Andre Meise, Training / Support 3. Mrs. Maryam Nadaei Hour, Service Administrator
by Surveyor(s) and/or Auditor(s) :	Mr. Oliver Kerschek (Auditor) Mr. Min Qu (Supervisor)
Date of the Assessment :	10. December 2010
At Hamburg, on	16. December 2010



Company:

Assessment report attached to Certificate No. [...]

CERTIFICATE No. DNS/...../...../.....

Assessment Report (cont.)

1 General Provisions

1.1 Brief description of the Station's main activities*:

Engineering, manufacture, installation and maintenance of electrical systems for ships and yachts.

Maritime training centre, ship handling simulator.

Software for ship operation and cargo stowage planning

1.2 Organisation chart of the Station with names and functions of the personnel :

Enclosed organigram "Business Unit Service" Attachment No.1

1.3 Other qualification/certification granted to the Station, with information on the issue of the certificate and its validity*:

- **ISO 9001:2008 No. QS-608 HH, Germanischer Lloyd Certification, Attachment No. 2 Validity:18.05.2011**

- **Radio Survey, Germanischer Lloyd, No. 94 029 – 10HH Attachment No. 3 Validity:02.03.2015**

- **VDR S-VDR Survey, Bureau Veritas, No. HBRO/HIN/20100203094735 Attachment No. 4 Validity:01.01.2013**

1.4 Information on other activities which may present any conflict of interest :

None

* see also the application form



Assessment Report (cont.)

Item	Observations
<p>2 Organisation</p> <p>2.1 Definition of the responsibility, authority and interrelation of all personnel who manage, perform and verify the work concerning the radio-communications activity</p> <p>2.2 Personnel in charge of :</p> <ul style="list-style-type: none"> . follow-up and updating of mandatory regulations..... . issuance of routines, instructions, procedures..... . maintenance and control of these documents..... . planning and preparation of surveys..... . maintenance of the equipment..... . training of the personnel..... <p>3 Background, Training and Experience</p> <p>3.1 Station</p> <p>Past experience clearly documented as regards to technical evaluation of installations operating in GMDSS</p> <p>Description of external resources required by the Station</p>	<p>Verified satisfactory. Reference is made to organigram "Business Unit Service" Att. No.1 dated 01.09.2010 and quality manual dated 03.03.2008 rev. 0.</p> <p>Mr. D. Wagner Mr. D. Wagner / Andre Meise Andre Meise – Schulung/Support – As per flow chart "F" Radio Survey Service-Prozess Mr. D. Wagner Mr. R. Fabian – Prüffeld & Reparatur, Calibration will be done by external companies Mr. Meise – Planning; Training carried out by external companies and manufacturers e.g. ESL</p> <p>Company has been approved by Germanischer Lloyd for Radio Surveys on 13. March 2010. Since March 2010 radio surveys on seven vessels under GL class have been conducted. Mr. Wagner is in his function as Service Manager / Head of Department acting as supervisor. He has nine years experience as service engineer for Northrop Grumman Sperry Marine / C. Plath (1998 – 2007) In this position he has worked - among others - with GMDSS installations.</p> <p>As system supplier, the company is installing, commissioning and servicing ship's navigation-, radio- and communication equipment.</p> <p>Further more radio inspector Mr. E. H. Boon has nine years experience as radio inspector with his former company Radio Holland / Netherlands in servicing ships classed by different societies.</p> <p>None</p>



Company:

Assessment report attached to Certificate No. [...]

<p>3.2 Technicians</p> <p>Records of :</p> <ul style="list-style-type: none">. education and diplomas. internal tutored training programme. experience as a radio technician. experience in drawings appraisal <p>- Knowledge of internal documented system</p> <p>- Skill related to the work scope required</p> <p>- Knowledge of firm's equipment and use limitations.</p>	<p style="text-align: center;">Yes</p> <p style="text-align: center;">No – reference is made to item 2.2</p> <p style="text-align: center;">Yes</p> <p style="text-align: center;">Yes</p> <p style="text-align: center;">(Records of technicians kept in HBR file)</p> <p style="text-align: center;">Yes</p> <p style="text-align: center;">(Managed by Mr. Meise, Dept. Training/Support e.g. via “Internal Service Bulletin”, example kept in HBR file)</p> <p style="text-align: center;">Yes</p> <p style="text-align: center;">(according to personal CV’s and radio survey records – CV’s and training certificates kept in HBR file)</p> <p style="text-align: center;">Yes</p> <p style="text-align: center;">(Training of personnel on equipment done by external companies)</p>



Company:

Assessment report attached to Certificate No. [...]

Assessment Report (cont.)

Item	Observation
5 Training .1 Training programmes taking into account all activities performed .. .2 Result of the programme (training records)	Training program of year 2010 verified, training done by external companies, training records verified satisfactory (Att. No. 4) Satisfactory
6 Practical demonstration of the service performance .1 Survey performance .2 Survey reporting .3 Surveyor appraisal	Practical demonstration of service performance will be verified by next attendance.

