

QUALITY & TECHNICAL CERTIFICATIONS

January 2012



"This is to confirm that, due to continued satisfactory operational experience with the Society's Surveyors using the **M.A.S.S.** (Marine Access Survey Safety) system at the company's establishment in Aberdeen and onboard ships, at various locations and times, the equipment continues to be acceptable as a method of fulfilling the requirements of Part 1, chapter 3, section 7 of the Rules and Regulations for the Classification of Ships with respect to Close-Up Surveys."



Examination of plating (i.e. bottom shell or inner bottom) in way of cargo oil structure strums

It is considered that the proposed system of inspection using the **COBRA** method appears to be a suitable "other means for visual inspection" as permitted by the Regulation.

Therefore in principle there is no objection to the use of the COBRA method as a means of examination of the bottom shell plating and adjacent bulkheads in way of cargo oil suction strums.

Inside this issue:

	1
	1
	2
	2
	2
	2
	2
	3
	3
	3
	3
	4
	4
	4
	4



"This is to confirm that ABS Surveyors have witnessed the testing and operation of the **M.A.S.S.** system at the manufacturer's establishment in Aberdeen and onboard a ship in order to determine the equipment suitability as a method of fulfilling the requirements of Part 1, Appendix 1/B & 1/C of ABS Rules for Steel Vessels with regard to Close-Up Surveys (including Ultrasonic Thickness Measurements)"



This is to certify that the Quality Management System of: EM&I (UK) Ltd has been assessed by ABS Quality Evaluations Inc. and found to be in conformance with the requirements set forth by:

ISO 9001: 2008

The Quality Management System is applicable to: Engineering and Integrity Management Services to the Marine, Offshore, Petrochemical and Energy Industries including Inspection, Maintenance and Repair.



National Association of Testing Authorities Australia has accredited

EM&I (Australia) Pty Ltd

Following demonstration of its technical competence to operate in accordance with

AS/NZS ISO/IEC 17020

As a type A inspection body



DNV MANAGING RISK

Re: Surveys assisted by the **M.A.S.S.** method

We refer to survey onboard “Mobil Aladdin” 3rd–19th November 1994 and your letter of 22nd January 1995.

DNV look upon the M.A.S.S. method as a tool which may assist the surveyor in carrying out his duties.



BUREAU VERITAS GROUP

M.A.S.S. (Marine Access Survey Safety) method

“This is to confirm that the Society’s Surveyors have witnessed the testing of the above system at the firm’s establishment in Aberdeen and in London in order to determine the equipment suitability as a method for complying with the requirements of Chapter 2 of the Rules for Classification of ships with respect to close up surveys”



DNV MANAGING RISK

This is to certify that EM&I Aberdeen is granted acceptance for Ultrasonic Thickness Measurements of Ship’s Structure, classed by the Society in accordance with Approval Programme No. 402A and IACS UR Z17, as amended.

Category 1: Authorised to do measurements on all types and sizes of ships classified by DNV.



M.A.S.S. (Marine Access Survey Safety) Method

This is to confirm the Society’s Surveyors have witnessed the testing and operation of the above system at the firm’s establishment in Aberdeen and onboard a ship in order to determine the equipment suitability as a method of fulfilling the requirements of 3.1.4 Part B of the Rules for the Survey and Construction of Steel Ships with respect to close up survey.

Copies of original Certification available on request



EM&I (UK) LTD is certified by Germanischer Lloyd as approved firm engaged in thickness measurements of hull structure of vessels classed with Germanischer Lloyd.

This company is assessed regarding their capability of taking and reporting thickness measurements in accordance with the requirements of the Society.



DNV MANAGING RISK

This is to certify that

EM&I Jaques Ltd
607 Torbay Road
St John's, NL, A1A 4Y6
Canada

Is granted for acceptance for

Thickness measurements on hull structure on ships, regardless of size and type, classed by the Society and in accordance with Approval Programme No. 402A and IACS UR Z17, as amended



This is to certify that EM&I has been approved in compliance with the

RINA "RULES FOR THE CERTIFICATION OF SERVICE SUPPLIERS"

For the supply of the following services to ships and other units classed by RINA:

A—Thickness measurements on ships



DNV MANAGING RISK

This is to certify that the Management System of

EM&I (Australia) Pty Ltd

Of
Level 2, 160 St Georges Terrace, Perth WA 600D

Has been found to conform to:-

OHSAS 18001 2007

For Engineering and Integrity Management Services to the Marine, Offshore, Petrochemical and Energy Industries including Inspection, Maintenance and Repair.



Bureau Veritas EM&I Ltd

Is accredited with a Type A body in accordance with the recognised International Standard

ISO/IEC 17020: 1998

General Criteria for the operation of various types of bodies performing inspection.

This accreditation demonstrates technical competence for a defined scope as detailed in and at the locations specified in the schedule to this certificate.



CERTIFICATION OF FIRMS ENGAGED IN THICKNESS MEASUREMENTS OF HULL STRUCTURES

EM&I (UK) Ltd

Are certified by the Society to carry out and report on thickness measurement of hull structure of ships classed with Bureau Verities, within the scope of rules, part A - chapter 2.



This is to certify that

EM&I (UK) Ltd

Is approved as a firm engaged in thickness measurements on ships under the Rules for Approval of Manufacturers and Service suppliers of the Society.



This is to certify that

EM&I (Australia) Pty Ltd

Having been audited by ABS and having given a satisfactory practical demonstration of the service listed below, is recognised by ABS to provide the following service which ABS surveyors may rely on to make decisions affecting classification or statutory surveys. If the service requires approval from manufacturers, the products and models allowed to be serviced are listed below:

ESP Hull Gauging Firm



This is to certify that

EM&I (UK) Ltd

Having been audited by ABS and having given a satisfactory practical demonstration of the service listed below, is recognised by ABS to provide the following service which ABS surveyors may rely on to make decisions affecting classification or statutory surveys. If the service requires approval from manufacturers, the products and models allowed to be serviced are listed below:

Thickness Measurements (Hull Gauging)



This is to certify that the Management System of

EM&I (Australia) Pty Ltd

Of
Level 2, 160 St Georges Terrace, Perth WA 600D

Has been found to conform to:-

AS/NZS 4801 2001

For Engineering and Integrity Management Services to the Marine, Offshore, Petrochemical and Energy Industries including Inspection, Maintenance and Repair.



This is to certify that the Management System of

EM&I (Australia) Pty Ltd

of
Level 2, 160 St Georges Terrace, Perth WA 600D

Is granted acceptance for
Ultrasonic Thickness measurements of ship's structure, classed by the Society in accordance with approval programme no. 402A and IACS UR Z17 as amended.

Category 1: authorised to do measurements on all types and sizes of ships classified by DNV.