

CERTIFICATE OF TYPE APPROVAL

This is to certify that

LLOYD'S REGISTER, specified as a "person" under the terms of The Merchant Shipping (Delegation of Equipment Approval) Regulations 1996, did undertake the relevant type approval procedures of the equipment identified below which was found to be in compliance with the essential Life Saving Appliance requirements subject to any conditions in the Design Appraisal Document hereto.

Producer	Marco SpA
Address	Via Mameli 10 25014 Castenedolo Brescia Italy
Equipment Description	SHIPS SOUND SIGNAL (WHISTLE) ELECTRIC POWERED
Type	EW2 12V supply EW2 24V supply
Specified Standard	International Regulations for Preventing Collisions at Sea 1972, Consolidated Edition 2002, Annex III, 1(a) to (d) inclusive. EN 60945 : 2002

The attached Design Appraisal Document forms part of this certificate.

This certificate remains valid up to the expiry dated unless cancelled or revoked, or until such date where it is superseded by the requirements of the Marine Equipment Directive whichever is the earlier, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

Date of issue 30 March 2016


Expiry date 29 March 2021

Certificate No. MCA 1600005

Signed

Sheet No 1 of 2

Name


Luigi Benedetti - Senior Specialist
30 March 2016
Trigate Technical Support Office
Elettrotecnica S.p.A.
Lloyd's Register EMEA

L. Benedetti
Surveyor to Lloyd's Register EMEA
A Member of the Lloyd's Register Group

Note:

This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify the nominated body named on this certificate of any modification or changes to the equipment in order to obtain a valid Certificate.



This certificate is issued under the authority given in
Merchant Shipping Notice No MSN 1735
(M+F) as amended to date.

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as the 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.



Lloyd's
Register

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Issue number	1

DESIGN APPRAISAL DOCUMENT

Date	Quote this reference on all future communications
30 March 2016	TTS/ETS/LEB/TPC1690074-2

ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. MCA 1600005

The undernoted documents have been appraised for compliance with the relevant International Conventions and UK legislation for the Type Approval of Marine Equipment for use on Merchant Ships Registered in the United Kingdom.

This Design Appraisal Document forms part of the Certificate that is issued under the authority given in the MCA Merchant Shipping Notice No MSN 1735.

APPROVAL DOCUMENTATION

Form 2502TA - Request for Marine Services - Type Approval - TAC - 2016/044	23/02/2016
Form 2502 - Request for Marine Services - Type Approval - M027	31/01/2014
Form 2571 - Application for Type Approval and/or Marine Equipment Directive Certification from Lloyd's Register EMEA (LR)	17/04/2013
Inspection and Surveillance of Production Facilities - MARCO S.p.A.	10/04/2013
LR Interim Letter	30/04/2014
LR Interim Letter	08/01/2015
LR Interim Letter	20/10/2015
E.C. Declaration of Conformity - EW2	--/------

Data Sheet

EW2 - Electronic Whistle with two fog signals (Marine Horn for vessels between 12 m to 20 m in length)	15/09/2015
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Marco SpA drawings:

Contentitore per modulo comando tromba 5.702-3
Staffa per tromba 5.702
Etichetta EW2
Segnale a fischio per navi di lunghezza L<20 m
Wiring diagram - Electronic whistle EW2

TEST REPORTS

TUV Test Report - Environmental and Vibration Test on Siren for Acoustic Signalling	11/12/2015
MARCO Test Report - PW2, PW3, EW2, EW3 Whistles COLREG 1972 Test Report	30/06/2015
MARCO Test Report - PW2, PW3, EW2, EW3 Whistles COLREG 1972 Test Report	18/12/2015
INTEK Test Report RP 07-0395 rev. 00	31/07/2007

Also all the documentation listed on Design Appraisal Document associated with MCA Certificates No. 0300008/M1 and 0300008.

L.E. Benedetti
Senior Specialist
Trieste Technical Support Office
Lloyd's Register EMEA

