

## 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.

<b>Producer</b>	Marco SpA
<b>Address</b>	Via Mameli 10 25014 Castenedolo Brescia Italy
<b>Equipment Description</b>	SHIPS SOUND SIGNAL (WHISTLE) ELECTRIC POWERED
<b>Type</b>	EW3 12V supply EW3 24V supply
<b>Specified Standard</b>	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This certificate remains valid up to the expiry dated unless cancelled or revoked, or until such date where it is superseded by the requirements of the Marine Equipment Directive whichever is the earlier, provided the conditions in the attached schedule are complied with and the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 1600004	Signed	 Luigi Benedetti - Senior Specialist 30 March 2016 Trighe Technical Support Office Elettrotecnica S.p.A. Lloyd's Register EMEA
Sheet No	1 of 2	Name	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**

**Lloyd's Register EMEA**

*Lloyd's Register Global Technology Centre,  
Southampton Boldrewood Innovation Campus,  
Burgess Road, Southampton, SO16 7QF*

Page 2 of 2
Document number MCA 1600004
Issue number 1

**DESIGN APPRAISAL DOCUMENT**

Date 30 March 2016	Quote this reference on all future communications TTS/ETS/LEB/TPC1690074-1
-----------------------	---

**ATTACHMENT TO CERTIFICATE OF TYPE APPROVAL No. MCA 1600004**

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 - 152 063 013 EW3 24V	--/------

**Data Sheet**

Electronic Whistle with two fog signals (Marine Horn for vessels between 20 m to 75 m in length) 152 063 13 - EW3 24 V - Rev.08	03/08/2015
---	------------

Marco SpA drawings:

<b><u>Drawing No.</u></b>	<b><u>Title</u></b>
5.722-23A	Contenitore per modulo comando tromba
5.722.01	Staffa
50050022 - rev.1	Etichetta EW3
5.72-22-23	Segnale a fischio per navi di lunghezza compresa fra i 20 e i 75 m
n.a.	Wiring diagram - Electronic whistle EW3 (24V) 152 063 13

**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. 0300007/M1 and MCA 0300007.

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

