



EC TYPE EXAMINATION (MODULE B) CERTIFICATE

This is to certify that:

LLOYD'S REGISTER VERIFICATION LIMITED (LRV), specified as a "notified body" under the terms of The Merchant Shipping (Marine Equipment) Regulations S.I. 1999 No. 1957, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the essential Life Saving Appliance requirements of Marine Equipment Directive (MED) 96/98/EC as modified by Commission Directives 98/85/EC, 2001/53/EC, 2002/75/EC, 2002/84/EC, 2008/67/EC, 2009/26/EC, 2010/68/EU, 2011/75/EU, 2012/32/EU and 2013/52/EU subject to any conditions in the Design Appraisal Document attached hereto.

Manufacturer The Coleman Company, Inc.

Address 3600 North Hydraulic
Wichita
KS 67219
United States of America (USA)

Annex A1 Item A.1/1.4 - LIFEJACKETS

Product Type LIFEJACKETS

Product Description Inherently Buoyant Adult Lifejacket - Type: " I160 "

Specified Standard IMO Resolution MSC.81 (70) Part 1 as amended by Resolution MSC.200 (80), MSC.226 (82) MSC.323 (89) and MSC.378(93)

The attached Design Appraisal Document (schedule) forms part of this certificate.

This certificate remains valid unless cancelled or revoked, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory in service.

Date of issue 17 September 2016 Expiry date 16 September 2021

Certificate No. MED 1650270

Signed

Sheet No. 1 of 4

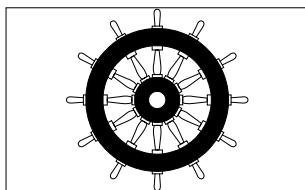
Name

L. Thomas

For and on behalf of Lloyd's Register Verification
LRV EC Distinguishing No. 0038

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 notified body named on this certificate of any modification or changes to the equipment in order to obtain a valid Certificate.



0038/yy

Subject to compliance with the conditions in the attached Design Appraisal Document (schedule), which forms part of this certificate, and those of Articles 10.1(i) and 11 of the Directive, the Manufacturer is allowed to affix the "Mark of Conformity" to the Product described herein.

yy Last two digits of year mark affixed.

This certificate is issued under the authority of the MCA.

Lloyd's Register Verification Limited (Reg. no. 4929226) is a limited company registered in England and Wales. Registered office: 71 Fenchurch Street, London, EC3M 4BS, UK.

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Lloyd's Register Verification Limited

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Document number MED 1650270
Issue number 1

DESIGN APPRAISAL DOCUMENT

Date 8 November 2016	Quote this reference on all future communications SOUTSO/SFS/TA/LT/WP27096941
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ATTACHMENT TO EC TYPE EXAMINATION (MODULE B) CERTIFICATE No. MED 1650270

The undernoted documents have been appraised for compliance with the relevant requirements of International Conventions and European Union legislation for the EC Type Examination of Marine Equipment for use on Merchant Ships Registered in the European Economic Area.

This Design Appraisal Document (schedule) forms part of the Certificate.

EXAMINED DOCUMENTATION

UL Report on Life Preservers and Lifejackets, File MQ429 Project 10RT02093 dated July 15, 2010.

TEST REPORTS

<u>Report Title or Author</u>	<u>Report No.</u>	<u>Date</u>
Test Record 1	File MQ429	15.07.2010
SOLAS in water performance	Project No: 10RT02093, File MQ429	02.07.2010
		29.06.2010
Buoyancy test, strength test, fire test	Project No: 10RT02093, File MQ429	20.04.2010
		01-07-2010
Dimensional spot check	Project No: 10RT02093, File MQ429	03.06.2010
		01.07.2010
Temperature cycling, Oil resistance, compression and water absorption test	Project No: 10RT02093, File MQ429	29.04.2010
		27.04.2010
Strength test- body strap and shoulder lift	Project No: 10RT02093, File MQ429	27.05.2010
Strength test - buddy line	Project No: 10RT02093, File MQ429	07.06.2010
UL test report	Project No: 10RT03391, File MQ429	21.12..2010
SOLAS in-water performance test, body strap with one inch webbing, one inch metal snap hook, and one inch metal d-ring.	Project No. 11RT02842 File MQ429	03.10.2011
Strength Test - Body Strap	Project No. 11RT02842 File MQ429	15.09.2011
Strength test - lifting loop	Project No. 11RT02842 File MQ429	16.09.2011

CONDITIONS OF CERTIFICATION

Materials	Buoyancy Foam	SP-1 ½ Inch manufactured by Stearns China Foam Factory
	Cover Fabric	RH 400 manufactured by Red House Co Ltd
	Front Buckle	ITW NEXUS SS-40+ ITW Waterbury -One inch metal snap hook.

1. The lifejacket has been appraised also against LSA Code as amended by Resolution MSC.368(93)
2. Instructions for use should be provided with each lifejacket. As prescribed by SOLAS Regulation III/35 one or more additional copies shall be provided for inclusion in the vessel's Training Manual
3. The lifejacket is approved only for use by adults with a minimum weight 43 kg or above and a minimum height of 155 cm or more



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4. The minimum total buoyancy of this lifejacket design is 162 N
5. Each lifejacket shall also be marked with the information required by LSA Code, Regulation I/1.2.2.9 and I/2.2.1.10
6. As prescribed by SOLAS Regulation III/36 and where applicable, lifejacket shall be maintained as per manufacturer's instructions
7. When required, an approved lifejacket light meeting the requirements of the LSA Code Regulation II/2.2.3 is to be fitted. The light is to be tested and meet the requirements of IMO Resolution MSC.81 (70), Part 1, 10.3 and 10.4 and is attachment have to be to the satisfaction of the attending Surveyors
8. Each lifejacket shall be fitted with a whistle firmly secured by a lanyard as per LSA Code as amended by Regulation II/2.2.1.14
9. A lifejacket shall be provided with a releasable buoyant line or other means to secure it to a lifejacket worn by another person in the water as per LSA Code as amended by Regulation II/2.2.1.16
10. A lifejacket shall be provided with a suitable means to allow rescuer to lift the wearer from the water into a survival craft or rescue boat as per LSA Code as amended by Regulation II/2.2.1.17
11. The storage of this equipment is not part of this Design Appraisal or Certificate. All such arrangement is to be to the satisfaction of the Surveyors attending on board
12. If the specified standards are amended during the validity of this certificate, this product type is to be re-approved prior to it being supplied to vessels to which the amended standards apply
13. Production items of the subject equipment are to be manufactured in accordance with either an approved Production Quality Assurance system (Module D), a Product-Quality assurance system (Module E) or a Product Verification Process (Module F). The wheelmark cannot be affixed to the product until a conformity assessment module is in place
14. Production tests are to be conducted in accordance with the applicable requirements of IMO Resolution MSC.81 (70), Part 2 and be recorded by the manufacturer in accordance with either the approved Production Quality Assurance system (Module D) or Product Quality Assurance (Module E) or witnessed by the Notified Body (LRV) as required by the Product Verification (Module F) of the Marine Equipment Directive. This does not preclude any further testing to additional requirements of the Marine Administration of the country where the ship is registered (i.e. the flag state) or those acting on behalf of that Administration
15. Each item, batch or lot of the equipment is to be issued with a "Declaration of Conformity" and have the "Mark of Conformity" affixed after a conformity assessment module is in place
16. Should a change of Place of Production from that stated below be required i.e. where the stages of manufacture/assembly/testing of this product take place, the new Place of Production is to be advised to us prior to the change taking place. This Certificate will require to be updated for Approval to be maintained



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PLACE OF PRODUCTION

The Coleman Company, Inc. 1100 Stearns Dr Sauk Rapids MN 56379 United States of America (USA)	Sheico Phnom Penh Co., Ltd. 17 km, National Road No 3, Sangkat Porng Teok, Khan Dangkor Phnom Penh, Kingdom of Cambodia
Sheico (Cambodia) Co., Ltd Manhattan (Svay Rieng) Special Economic Zone National Road #1, Bavet Commune, Chantrea District Svay Rieng Province Cambodia	



Lijo Thomas
Senior Specialist
Statutory Fire & Safety
Southampton Technical Support Office, Marine & Offshore
For and on behalf of Lloyd's Register Verification
LRV EC Distinguishing No. 0038