

# EC Certificate Type Examination (Module B)



This is to certify that:

Germanischer Lloyd, a Notified Body under the terms of the Marine Equipment Directive 96/98/EC of 20 December 1996, notified by the German Federal Ministry of Transport, Building and Urban Development, did undertake the relevant type approval procedures for the equipment identified below which was found to be in compliance with the requirements of Marine Equipment Directive (MED) 96/98/EC as amended, subject to any conditions in the schedule attached hereto.

Certificate No. **36 855 - 11 HH**

Applicant **Shanghai Cunhong Marine Lifesaving Appliance Co., Ltd.  
60 Gu Yue Road, TangWai Community  
FengCheng Town, FengXian District  
Shanghai 201408, P.R. CHINA**

Manufacturer **Shanghai Cunhong Marine Lifesaving Appliance Co., Ltd.  
60 Gu Yue Road, TangWai Community  
FengCheng Town, FengXian District  
Shanghai 201408, P.R. CHINA**

Product Description **Inflatable liferafts, throw-over-board type SOLAS A and B Pack**

Product Name **CHF (DLR) (SLR) -A6, -A10, -A12, -A15, -A16, -A20, -A25**

Trade Name **CUNHONG, TOKUGAWA, SAFINDO**

Specified Standards **SOLAS 74/78 Reg.III/4, 13, 21, 26, 31 and 34, X/3  
MSC.48(66) LSA Code I, IV, MSC/Circ.811  
MSC.207(81), MSC.218(82), MSC.226(82), MSC.293(87), MSC.295(87),  
MSC.36(63)- (1994 HSC Code) 8, MSC.97(73)-( 2000 HSC Code) 8,  
IMO Res.MSC 81(70)**

Related Directive **2011/75/EU**

Equipment Section **Life-saving appliances**

Annex A.1 Item No. **A.1/1.12**

Date of Re-issue **2013-05-13**

Expiry Date **2017-01-01**

**Germanischer Lloyd**

Notified Body No.: 0098

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**Nils Wegener**





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## Schedule of Approval

### Additional Standards

ISO 15738(2002)

### Approval Documentation

Technical file noted with ref. 07-004898, 11-099542 and 11-153108.

Prototype tests: MSC/Circ. 980/Add.1, SHA 2006-06-23 and 2011-11-30

Material Test: Shanghai institute of Rubber Products Testing Center, W(X)2006-48 dated 2006-02-10 and W(X)2011-2242.

### Technical Data

#### Conditions of Certification:

Max. Stowage Height: 36 m

Type:	Persons (82.5 kg each)	Weight [kg]		Required bollard pull [kN]	
		SOLAS A	SOLAS B	(2 kn)	(3 kn)
CHF--A6	6	90	78	0.45	0.85
DLR--A6	6	90	78	0.45	0.85
SLR--A6	6	90	78	0.45	0.85
CHF--A10	10	110	90	0.50	0.95
DLR--A10	10	110	90	0.50	0.95
SLR--A10	10	110	90	0.50	0.95
CHF--A12	12	120	95	0.20	1.00
DLR--A12	12	120	95	0.20	1.00
SLR--A12	12	120	95	0.20	1.00
CHF--A15	15	140	110	0.60	1.05
DLR--A15	15	140	110	0.60	1.05
SLR--A15	15	140	110	0.60	1.05
CHF--A16	16	150	115	0.65	1.10
DLR--A16	16	150	115	0.65	1.10
SLR--A16	16	150	115	0.65	1.10
CHF--A20	20	175	130	0.85	1.35
DLR--A20	20	175	130	0.85	1.35
SLR--A20	20	175	130	0.85	1.35
CHF--A25	25	200	150	1.00	1.50
DLR--A 25	25	200	150	1.00	1.50
SLR--A25	25	200	150	1.00	1.50

1. The equipment and marking of the liferaft and the container shall be in accordance with LSA-Code 4.1.5, 4.2.9, 4.2.7 and 4.2.6.3.

2. The liferafts are to be serviced annually at approved service stations which are authorised by the manufacturer.

3. Production tests are to be conducted in accordance with IMO Resolution MSC.81(70) Part 2 and recorded by



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the manufacturer in accordance with the approved Production Quality Assurance system for Module D of the Marine Equipment Directive 96/98/EC as amended.

#### Remarks

Type A25 is not suitable for side-to-side transfer and has to be stowed for launching directly from the stowed position under unfavourable conditions of trim and list (SOLAS III/16.1.2).

#### Limitations on the acceptance or use of the product

None

#### Notes:

This certificate is valid for equipment, which is conform to the approved type. The manufacturer shall inform Germanischer Lloyd, as the Notified Body, of any modifications or changes to the approved equipment.

Should the specified regulations or standards be amended during the validity of this certificate, the product is to be re-approved before being placed on board a vessel to which the amended regulations or standards apply.



The mark of conformity may only be affixed to the above type approved equipment and a Manufacturer's Declaration of Conformity issued when the production-surveillance module (D, E or F) of Annex B of the MED is fully complied with and controlled by a written inspection agreement with a Notified Body.



# EC Certificate of Conformity Quality System (Module D)



Germanischer Lloyd as the notified body, notified by the German Federal Ministry of Transport, Building and Urban Development, performing the quality assessment procedures certifies that the manufacturer maintains and applies a quality system which is in compliance with the requirements of the Marine Equipment Directive (MED) 96/98/EC, as amended, ensuring that the equipment identified below is conform to the type as described in the EC Type Examination Certificate, subject to any conditions in the annex attached hereto.

Certificate No. **36 856 - 11 HH**

Manufacturer **Shanghai Cunhong Marine Lifesaving Appliance Co., Ltd.  
60 Gu Yue Road, TangWai Community  
FengCheng Town, FengXian District  
Shanghai 201408, P.R. CHINA**

Scope:  
**A.1/1.12 Inflatable liferafts**

Related Directive **2011/75/EU**

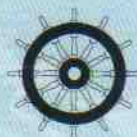
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**Germanischer Lloyd**

Notified Body No.: 0098

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**Nils Wegener**



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**Remarks**

None

**Notes:**

This certificate authorises the manufacturer in conjunction with the EC Type Examination (Module B) Certificate of the equipment listed before to affix the Mark of Conformity (wheelmark) to the product described herein.

This certificate loses its validity if the manufacturer makes any changes or modifications to the approved quality system, which have not been notified to, and agreed with the notified body named on this certificate and/or after lapse of time, withdrawal or revocation of the EC Type Examination (Module B) Certificate.

**Wheelmark Format and application:**



0098/yy

0098  
yy

Notified Body number undertaking quality surveillance  
Last two digits of year in which the mark is affixed





Annex to  
Certificate No: 36 856 - 11 HH      Date of Re-issue: 2013-05-13

Item	Item Description			
	Product Name			
	Trade Name			
	Module B No.	Date of issue	Date of expiry	Notified Body
	USCG Approval No.			
	Comment to USCG Approval (if applicable)			
A.1/1.12	Inflatable liferafts			
	CHF (DLR) (SLR) -A6, -A10, -A12, -A15, -A16, -A20, -A25			
	CUNHONG, TOKUGAWA, SAFINDO			
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