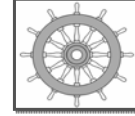


## *EC Directive 96/98/EC on Marine Equipment Directive (MED)*



0801-01



Germanischer Lloyd

## *EC – European Commission*



- Common policy concerning safety at sea
- Establishment of a Committee on Safe Seas and the Prevention of Pollution from Ships (COSS)
- EC – Directives
  - Directive on Marine Equipment
  - Directive on safety rules and standards for passenger ships
  - Regulation on the accelerated phasing-in of double hull or equivalent design requirements for single hull oil tankers
  - Direction on Minimum Safety and Health Requirements for Medical Treatment on board of vessels
  - Regulation on the prohibition of organotin compounds on ships



## ***EC Directive on Marine Equipment (96/98/EC as amended)***

- In force since 1999-01-01
- Applicable for Marine equipment
  - For which type approval is required by mandatory Conventions and Codes and
  - Which are listed in Annex A.1 of the Directive
    - Life-saving appliances
    - Marine-pollution prevention
    - Fire protection
    - Navigation equipment
    - Radio communication equipment
- Applicable on ships under EC flag and EFTA member states
- Amended with Directive 2002/75/EC (Annex A.1)



## ***Role of European Maritime Safety Agency (EMSA) for the MED***

- Preparation of updates of technical annexes of MED
- Monitoring of development of performance and testing standards
- Monitoring of the work of the group of notified bodies (MarED)
- Manage a database of EU approved marine equipment



## ***Main Aim of EC Marine Equipment Directive***

- Common policy concerning safety at sea
- Uniform safety standard
- Uniform test standards
- Uniform verification, approval and certification procedure
- Acceptance of the approvals by all flag state authorities of the member states, independent where the products have been manufactured
- Free trade within EU
- Avoid multiple approvals

### ***Note:***

*It is recommended to order the equipment with MED approval in any case to avoid problems in connection with a possible change of flag before, during or after delivery of the vessel.*

## ***Flag states for which MED approval is required***



- *EC member states: Austria, Belgium, Bulgaria, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Republic of Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Romania and United Kingdom.*
- *Also Gibraltar and the EFTA (European Free Trade Association) members Iceland and Norway have agreed to apply the MED.*
- *Several other flagstates outside the EC (e.g. Liberia, Panama, Antigua & Barbuda, Marshall Islands, Australia...) have declared that they accept MED approved equipment on board of their vessels.*



## *Notified Bodies*



Germanischer Lloyd

- Notified Bodies are designated by the competent national administration
- Germanischer Lloyd has been designated by Luxembourg

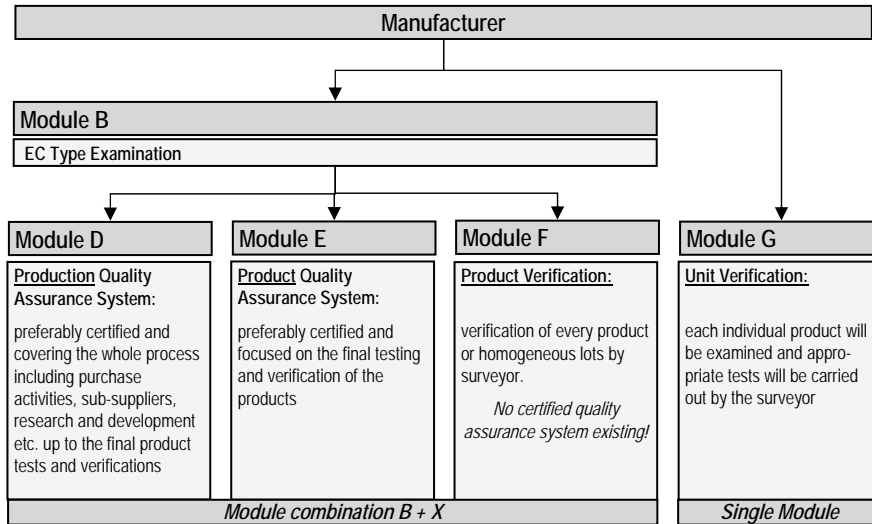
→ GL- Luxembourg (notified body) 0801

→ GL- HO (test laboratory)

## *Mutual Recognition Agreement EC-USA*

- US accepting Certificates delivered by an EC NB
- EC accepting the US Coast Guard as a NB
- EC NBs have the right to issue the marking and numbering required by US regulations
- Number issued by a NB on behalf of USCG: 165.103/EC0801-certificate#

## Conformity Assessment Procedure



## Annex A.1

Equipment falling under MED		Applicable regulations		Applicable test standards	Procedures (Modules) which can be chosen by manufacturer						
No	Item designation	Regulation SOLAS 74 as amended where "type-approval" is required	Applicable regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO	Testing standards	Modules for conformity assessment						
					B + C	B + D	B + E	B + F	G	H	
A.1/1.21	Launching appliances using fall and winch (devils)	Regulation III/4, Regulation X/3	Regulation III/23, III/33 and III/34, IMO Resolution MSC.48 (66), IMO Resolution MSC.36 (63) 8.1, 8.5, 8.6 and 8.7 (1994 HSC Code)	IMO Resolution MSC.81(70)		X	X	X	X		
		Regulation III/4, Regulation X/3	Regulation III/23, III/33 and III/34, IMO Resolution MSC.48 (66), IMO Resolution MSC.97 (73) 8.1, 8.5, 8.6 and 8.7 (2000 HSC Code)								
A.1/1.22	Floot-free launching appliances for survival craft	Moved to Annex A.2									
A.1/1.23	Launching appliances for free-fall lifeboats	Regulation III/4, Regulation X/3	Regulation III/33 and III/34, IMO Resolution MSC.48 (66), IMO Resolution MSC.36(63) 8.1, 8.5 and 8.7 (1994 HSC Code)	IMO Resolution MSC.81(70)					X		
		Regulation III/4, Regulation X/3	Regulation III/33 and III/34, IMO Resolution MSC.48 (66), IMO Resolution MSC.97 (73) 8.1, 8.5 and 8.7 (2000 HSC Code)								
A.1/1.24	Liferaft launching appliances	Regulation III/4, Regulation X/3	Regulation III/34, IMO Resolution MSC.48 (66), IMO Resolution MSC.36 (63) 8.1, 8.5, 8.6 and 8.7 (1994 HSC Code)	IMO Resolution MSC.81(70)		X	X	X	X		

## ***General Procedure***

- **Procedure**

1. Application by the manufacturer (see GL – form)
2. Module B: Performance of the required tests acc. to Annex A.1  
Module D/E: Audit at manufacturer's site (annual audits are required)  
Module F: Survey at manufacturer's site  
Module G: Examination and tests at manufacturer's site
3. Module B/F/G: Examination of technical documents and test reports  
Module D/E: Examination of quality documents and audit report
4. Preparation of the certificate (by designated expert of notified body)
5. Issuance of the certificate (by notified body)
6. Fixing of wheel mark and issuance of the declaration of conformity (by manufacturer)  
(not allowed before availability of the EC certificates to be issued by the notified body)

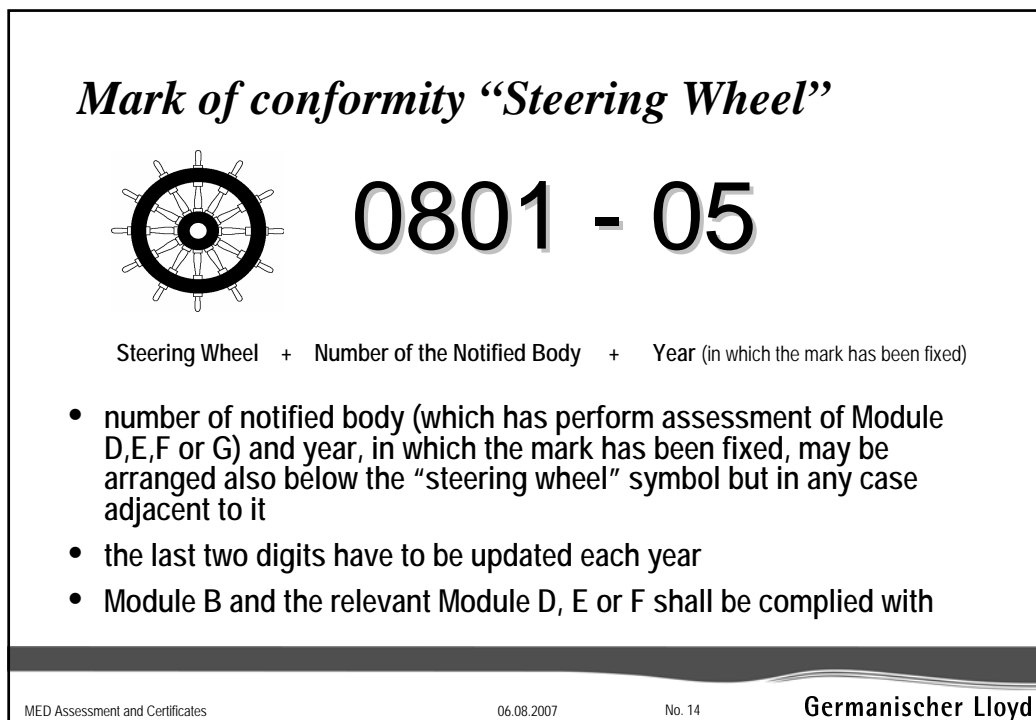
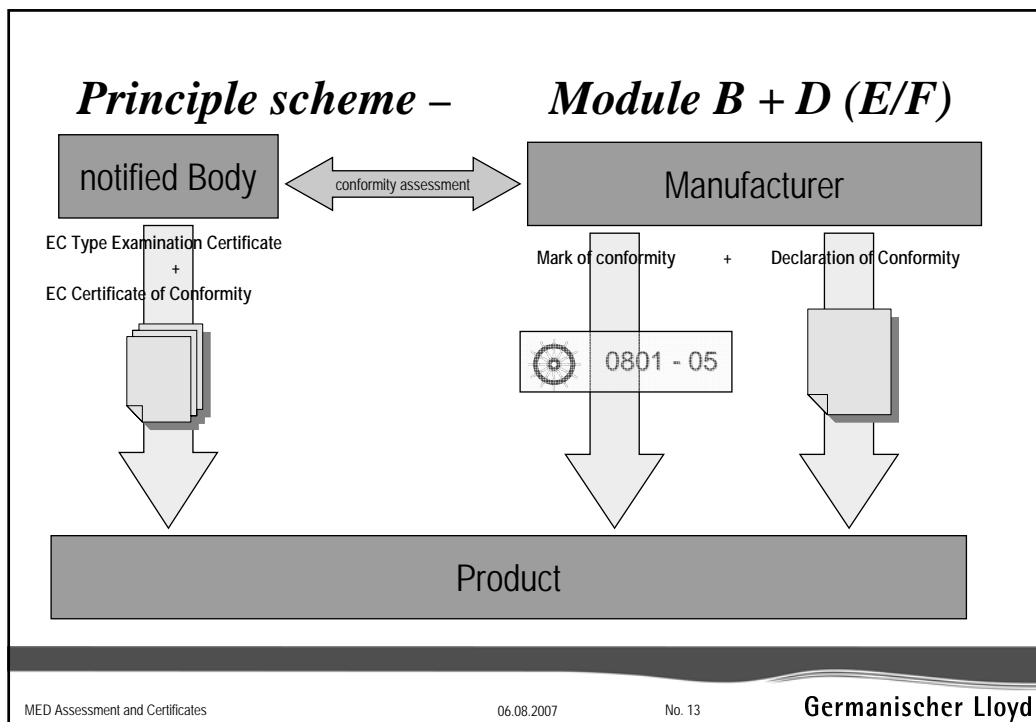
## ***Documents to be issued***

### **Module B+D/E/F**

1. EC Type Examination Certificate  
to be issued by notified body
2. EC Certificate of Conformity  
to be issued by notified body
3. Declaration of Conformity  
to be issued by manufacturer

### **Module G**

1. EC Certificate of Conformity  
to be issued by notified body
2. Declaration of Conformity  
to be issued by manufacturer





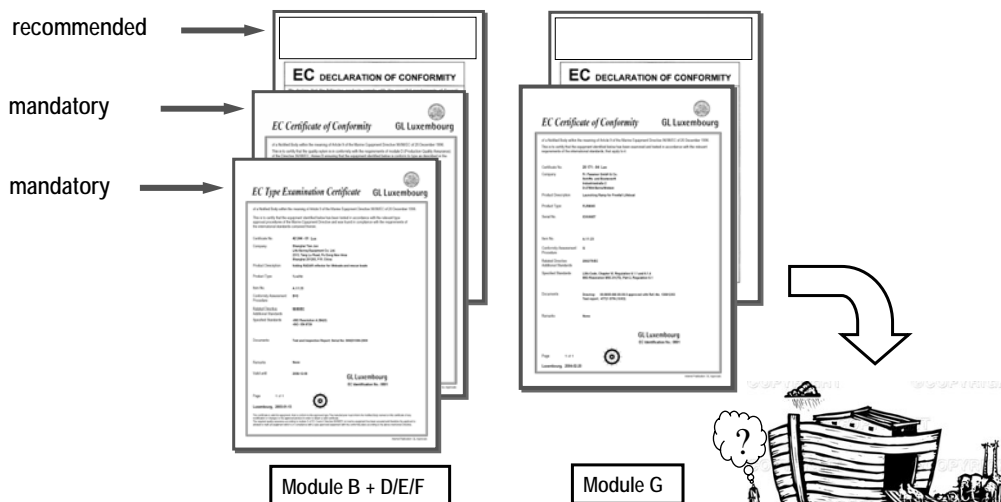


Germanischer LloydGermanischer Lloyd

## *Declaration of conformity*

- to be issued by the manufacturer
- beside not required by the directive it is highly recommended to supply a copy with each product
- Module B and the relevant Module D, E or F shall be complied with

## *Documents to be available on board*



List of equipment to be approved acc. to Directive 96/ 98/EC (MED) as amended by 2002/75/EC

To be completed by shipyard before delivery.

**! Entries to be comply with entries on type and conformity certificates !**

Item No.	Equipment	applicable		Name of Manufacturer	Type, Trade Name	EC-Type-Examination Certificate	Modules for conformity assessment B+D B+E B+F or only G					Name of Notified Body	Identification Number
		yes	no				B	D	E	F	G		
A.1/1.12	Inflatable liferafts	<input checked="" type="checkbox"/>	<input type="checkbox"/>	DSB GmbH	LR97-SOLAS	00905610	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SBG	0736
A.1/1.13	Rigid liferafts	<input type="checkbox"/>	<input checked="" type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
A.1/1.14	Automatically self-righting liferafts	<input type="checkbox"/>	<input checked="" type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
A.1/1.15	Canopied reversible liferafts	<input type="checkbox"/>	<input checked="" type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
A.1/1.16	Float-free arrangements for liferafts (hydrostatic release units)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Thanner & Coale	DK2000	DK0200-F.002	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	FORCE-Dantest CERT	0200
A.1/1.17	Lifeboats	<input checked="" type="checkbox"/>	<input type="checkbox"/>	E. Hatecke GmbH	GFF5.7M	400.053	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SBG	0736
A.1/1.18	Rigid rescue boats	<input checked="" type="checkbox"/>	<input type="checkbox"/>	E. Hatecke GmbH	RB 400	403.006	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SBG	0736
		<input type="checkbox"/>	<input type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
A.1/1.19	Inflated rescue boats	<input type="checkbox"/>	<input checked="" type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
A.1/1.20	Fast rescue boats	<input type="checkbox"/>	<input checked="" type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
A.1/1.21	Launching appliances using fall and winch (davits)	<input type="checkbox"/>	<input checked="" type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
A.1/1.22	Float-free launching appliances for survival craft	<input type="checkbox"/>	<input checked="" type="checkbox"/>				<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
A.1/1.23	Launching appliances for free-fall lifeboats	<input checked="" type="checkbox"/>	<input type="checkbox"/>	E. Hatecke GmbH	FFA5.7M	15544-00 LUX	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	GL	0801

In case of module G only number of certificate of conformity to be entered

↓

15544-00 LUX

MED Assessment and Certificates 06.08.2007 No. 21 Germanischer Lloyd

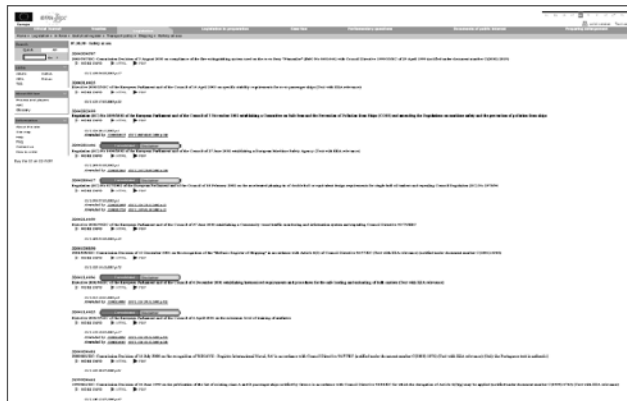
## Useful Internet - Links

- Summary of EC type approvals  
<http://www.mared.org>



## Useful Internet - Links

- Summary of Directives concerning safety at sea  
[http://europa.eu.int/eur-lex/en/lif/reg/en\\_register\\_073030.html](http://europa.eu.int/eur-lex/en/lif/reg/en_register_073030.html)



## Useful Internet - Links

- GL MED approval list, guidelines and informations  
<http://www.gl-group.com/maritime/manufacturers/ecdirectives/3586.htm>

