

EMSA activities on safety of shipping / (MED e-tag)

Electronic tagging of Marine Equipment /Directive 2014/90/EU

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Ship Safety and Marine Equipment

SMM Hamburg / 09/09/2022





**“To enhance safety at sea
and the prevention of
marine pollution”**

Regulation (EC) No 1406/2002



- **Ship Safety Legislation:**
 - Passenger Ships
 - Bulk Carriers
 - Fishing Ships
 - ISM
- **Marine Equipment Legislation**
- **Other EU Maritime Legislation: PSC, VTMIS, Accident Investigation, Recognised Organisations**



EMSAFE summarises the main challenges and opportunities in a holistic manner

Useful tool for **policy-makers**

Data to analyse specific safety issues

Manual for newcomers

European Maritime Safety Agency



GUIDANCE ON THE CARRIAGE OF AFVs IN RO-RO SPACES

**GUIDANCE FOR THE SAFE CARRIAGE OF
ALTERNATIVE FUEL VEHICLES (AFVs)
IN RO-RO SPACES OF CARGO AND
PASSENGER SHIPS**

Version final 1.0

Date: 05/05/2022



European Maritime Safety Agency



Shore-Side Electricity

Guidance to Port Authorities and Administrations

Part 1 – Equipment and Technology

Version 1
June 2022



STEERSAFE report on steering published in 2021

Risk-based assessment tool (RBAT) for maritime administrations on autonomous ships ongoing

Development of safety guidance on installation of batteries onboard ships ongoing

Study CARGOSAFE on the fire risks and control options of containerships ongoing

Workshops on safety of alternative fuels and autonomous ships in fall 2022

Marine Equipment Directive (MED) 2014/90/EU

DIRECTIVE 2014/90/EU of the European Parliament and of the Council of 23 July 2014
on marine equipment

- uniform application of the relevant international instruments relating to equipment to be placed on board EU ships
- to ensure the free movement of such equipment within the Union



Detailed set of requirements on:

- design,
- construction,
- performance and testing standards

Number and item designation	Regulations of SOLAS 74, as amended, and the relevant resolutions and circulars of the IMO, as applicable	Testing standards	Modules for conformity assessment	User for placing on the market	User for placing on board
1	2	3	4	5	6
MEU/4-29 Voyage data recorder (VDR)	<p>Type approval requirements:</p> <ul style="list-style-type: none"> — SOLAS 74 Reg V/18, — SOLAS 74 Reg V/20, — SOLAS 74 Reg X/1, — IMO Res MSC 360/13 (1994) (HSC Code) 13, — IMO Res MSC 87/73 (2000) (HSC Code) 13. <p>Carriage and performance requirements:</p> <ul style="list-style-type: none"> — SOLAS 74 Reg V/20, — IMO Res A.694/17, — IMO Res MSC 360/13 (1994) (HSC Code) 13, — IMO Res MSC 87/73 (2000) (HSC Code) 13, — IMO Res MSC 191/78, — IMO Res MSC 702/87, — IMO Res MSC 373/96. 	<ul style="list-style-type: none"> — EN 60941 (2002) incl. IEC 60941 Cor. 1 (2006), — EN 61342 series, — EN 61342-1 (2011), — EN 61342-2 (1998), — EN 61342-3 (2000), — EN 61342-4/90 (2011), — EN 61996-1:2013 incl. IEC 61996-1 Cor.1 (2014), — EN 62383:2014. <p>Or,</p> <ul style="list-style-type: none"> — IEC 60941 (2002) incl. IEC 60941 Cor. 1 (2006), — IEC 61342 series, — IEC 61342-1 ed.1.0 (2010-11), — IEC 61342-2 ed.1.0 (1998-09), — IEC 61342-3 ed.1.0 (2010-11) and am2 ed. 1.0 (2014-07), — IEC 61342-4/90 ed.1.0 (2011-06), — IEC 61342-4/90 ed.1.0 (2011-06). 	<p>B+D</p> <p>B+E</p> <p>B+F</p> <p>G</p>		

> 250 types of equipment in yearly update

Official Journal

of the European Union



English edition

Legislation

ISSN 1977-0677

L 180

Volume 65
6 July 2022

Contents

II Non-legislative acts

page

REGULATIONS

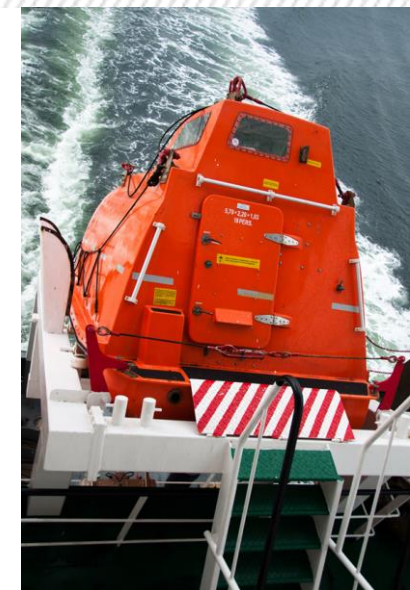
- * **Commission Implementing Regulation (EU) 2022/1157 of 4 July 2022 laying down rules for the application of Directive 2014/90/EU of the European Parliament and of the Council, as regards design, construction and performance requirements and testing standards for marine equipment and repealing Implementing Regulation (EU) 2021/1158 ⁽¹⁾** 1

⁽¹⁾ Text with EEA relevance.

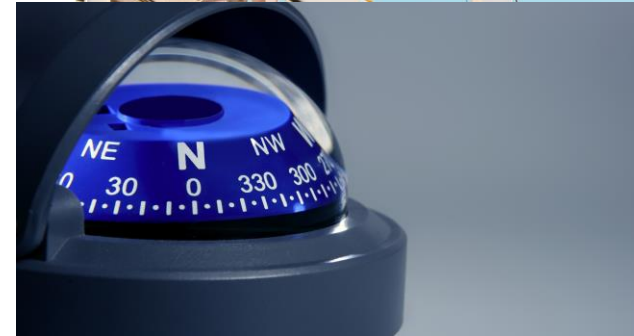
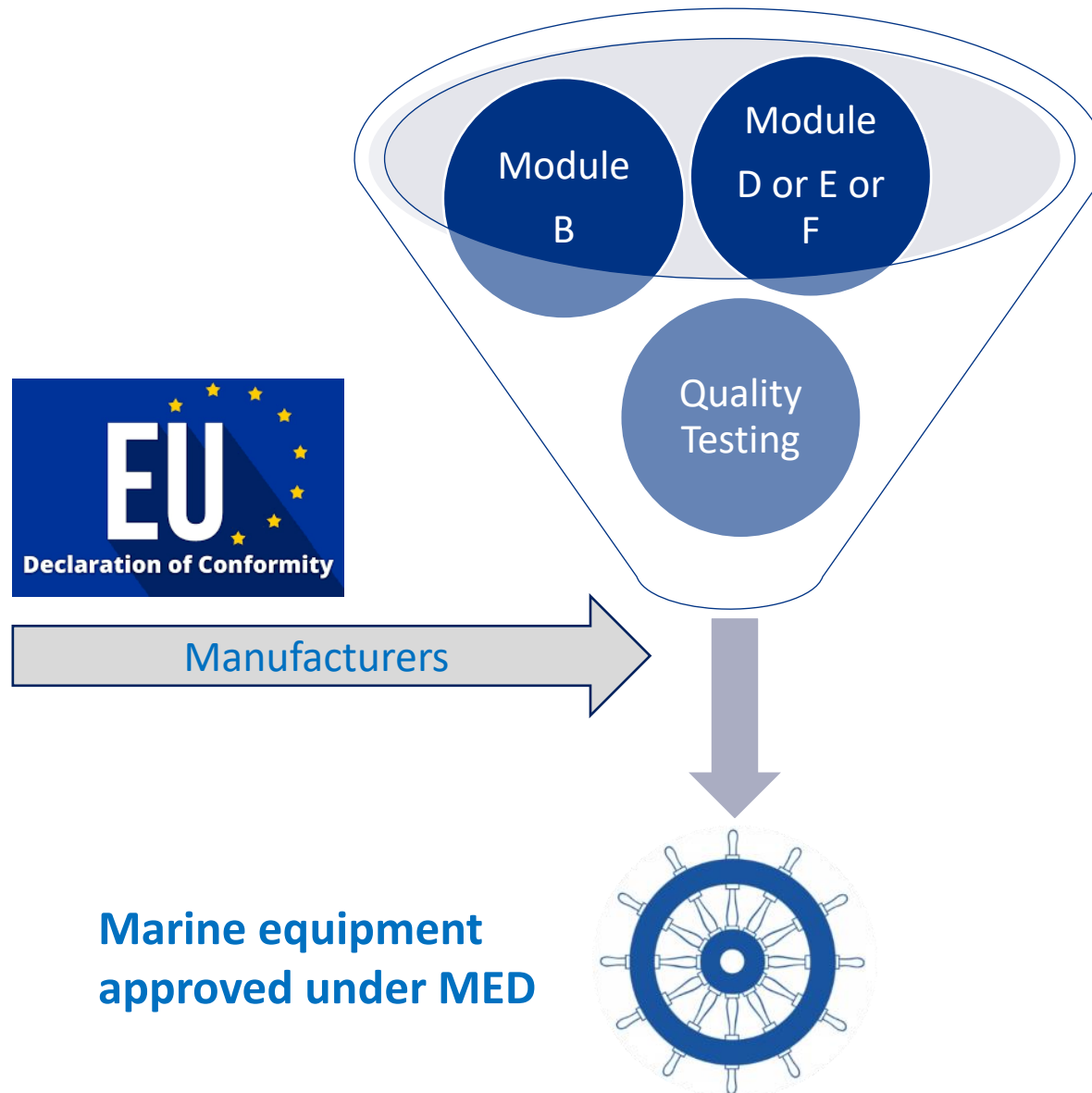
EN

Acts whose titles are printed in light type are those relating to day-to-day management of agricultural matters, and are generally valid for a limited period.

The titles of all other Acts are printed in bold type and preceded by an asterisk.



MED approval



The Commission shall set up and maintain a database containing:

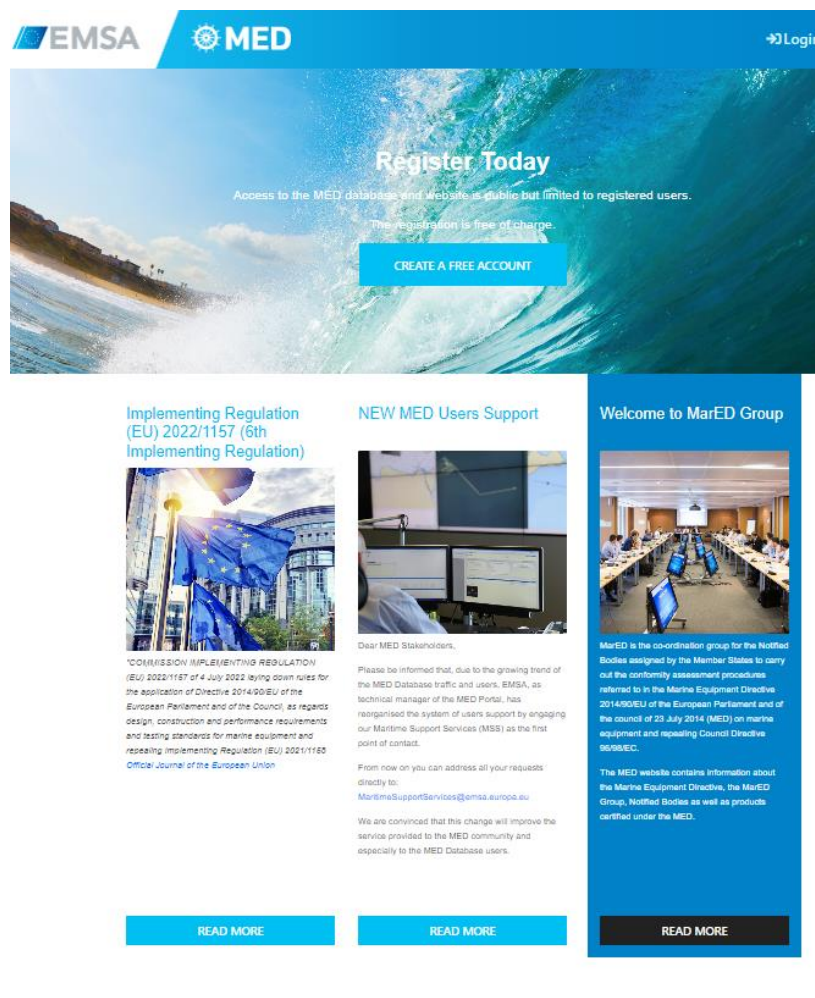
- a) the list and essential details of the conformity certificates issued
- b) the list and essential details of the declarations of conformity ...

That database shall be made accessible to the Member States.

It shall also be made available to the public for information purposes only.

MED Database

> 7 000 users worldwide



The screenshot shows the EMSA MED portal homepage. At the top, there's a blue header with the EMSA logo, the MED logo, and a 'Login' button. Below the header is a large banner with a blue background and white text that says 'Register Today'. Underneath the banner, there's a section with three columns of content. The first column is titled 'Implementing Regulation (EU) 2022/1157 (6th Implementing Regulation)' and features a photo of the European Parliament building. The second column is titled 'NEW MED Users Support' and features a photo of a person working at a computer. The third column is titled 'Welcome to MarED Group' and features a photo of a meeting room. Each column has a 'READ MORE' button at the bottom. At the very bottom of the page, there's a footer with links for 'DISCLAIMER', 'PRIVACY POLICY', 'COOKIES', 'IMPRINT', 'CONTACTS', 'WEBMASTER', and 'HELP'.

EMSA MED Login

Register Today

Access to the MED database and Website is public but limited to registered users.

The registration is free of charge.

[CREATE A FREE ACCOUNT](#)

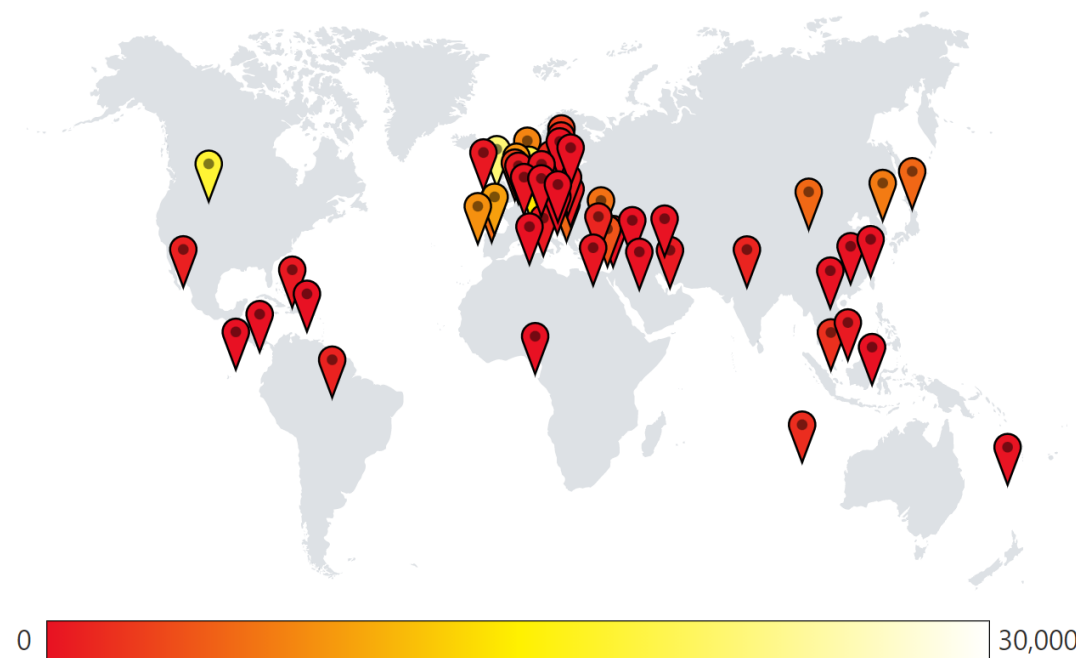
Implementing Regulation (EU) 2022/1157 (6th Implementing Regulation)

NEW MED Users Support

Welcome to MarED Group

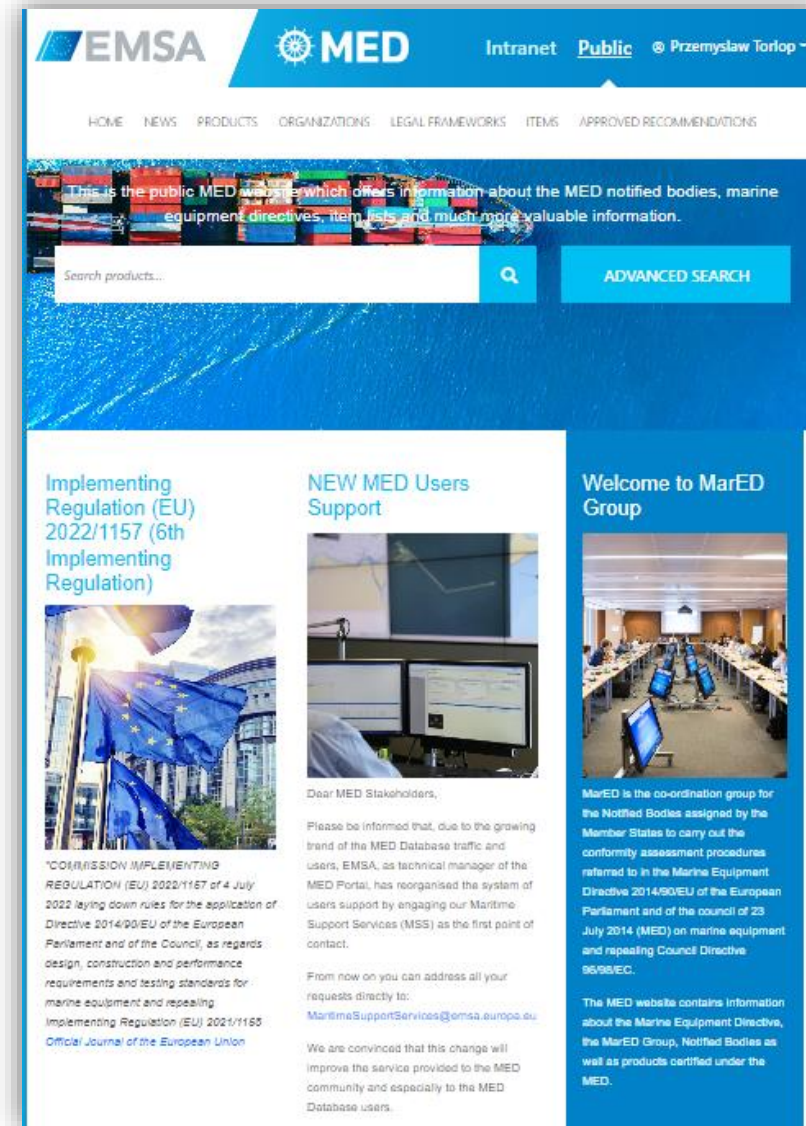
[READ MORE](#) [READ MORE](#) [READ MORE](#)

DISCLAIMER | PRIVACY POLICY | COOKIES | IMPRINT | CONTACTS | WEBMASTER | HELP



Type of users:

- Market Surveillance Authority (MSA)
- Notifying Authority (NA)
- Notified Body (NB)
- Manufacturers (Mfr)
- Public (P)
- COM, EMSA acting as the MarED Technical Secretariat



200.000 registered items of marine equipment approved under Directive 2014/90/EU

PRODUCT SEARCH

Search the MED database for products.

[HOME](#) > [PRODUCT SEARCH](#)

FILTERS

Commercial Product Name

Commercial Model Name

Commercial Trade Name

Product Identifier

Product Module

Type Manufacturer Name

Type Manufacturer Country

Production Manufacturer Name

Production Manufacturer Country

Authorized Representative Name

Authorized Representative Country

Notified Body Name

Notified Body Country

Legal Framework

MED Item Category

MED Item Number

USCG Number

Certificate Number

Certificate Number
Type (Module B)
Production (Module D,E,F)
Unit Verification(Module G)

BASIC

SEARCH

RESET

MED ITEM NUMBER	COMMERCIAL PRODUCT NAME	COMMERCIAL MODEL NAME	MANUFACTURER NAME	MANUFACTURER COUNTRY	NOTIFIED BODY NUMBER	NOTIFIED BODY NAME	DETAIL
No results were found.							

10 << < 1 OF 1 > >>

PRODUCT SEARCH

Search the MED database for products.

[HOME](#) > [PRODUCT SEARCH](#)

FILTERS

Search Term magnetic

ADVANCED

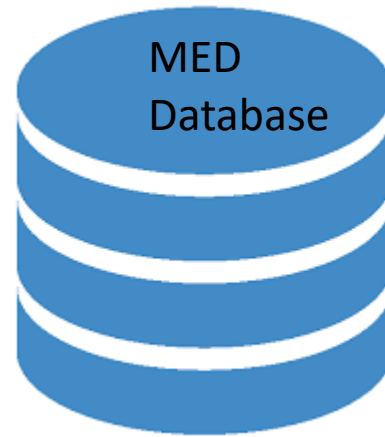
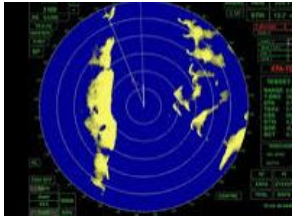
SEARCH

RESET

MED ITEM NUMBER	COMMERCIAL PRODUCT NAME	COMMERCIAL MODEL NAME	MANUFACTURER NAME	MANUFACTURER COUNTRY	NOTIFIED BODY NUMBER	NOTIFIED BODY NAME	DETAIL
Magnetic compass	Magnetic Compass Class A		LILLEY & GILLIE	United Kingdom	191	QINETIQ LTD	➔
Magnetic compass Class A for ships	MAGNETIC COMPASS CLASS A FOR SHIPS						➔
Magnetic compass Class A for ships	MAGNETIC COMPASS CLASS A FOR SHIPS						➔
Magnetic compass Class A for ships	MAGNETIC COMPASS CLASS A FOR SHIPS						➔
Magnetic compass Class A for ships	MAGNETIC COMPASS CLASS A FOR SHIPS						➔
Magnetic compass Class A for ships	MAGNETIC COMPASS CLASS A FOR SHIPS						➔
Magnetic compass (a) Class A for ships,	MAGNETIC COMPASS (A) CLASS A FOR SHIPS,						➔
Magnetic compass	MAGNETIC COMPASSES		TOKIMEC INC. Control Division I	Japan	0062	BUREAU VERITAS	➔
Magnetic compass	MAGNETIC COMPASSES		TOKYO KEIKI INC. Control Division I	Japan	0575	DNV GL AS	➔
Transmitting magnetic heading device (previously electromagnetic compass)	TRANSMITTING MAGNETIC HEADING DEVICE (TMHD)		IZE DIFFUSION	France	0062	BUREAU VERITAS	➔

10 << < 1 OF 9 > >>

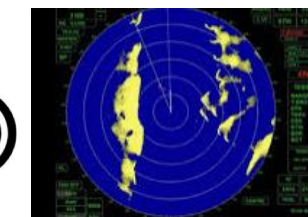
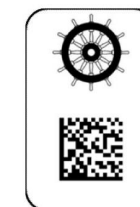
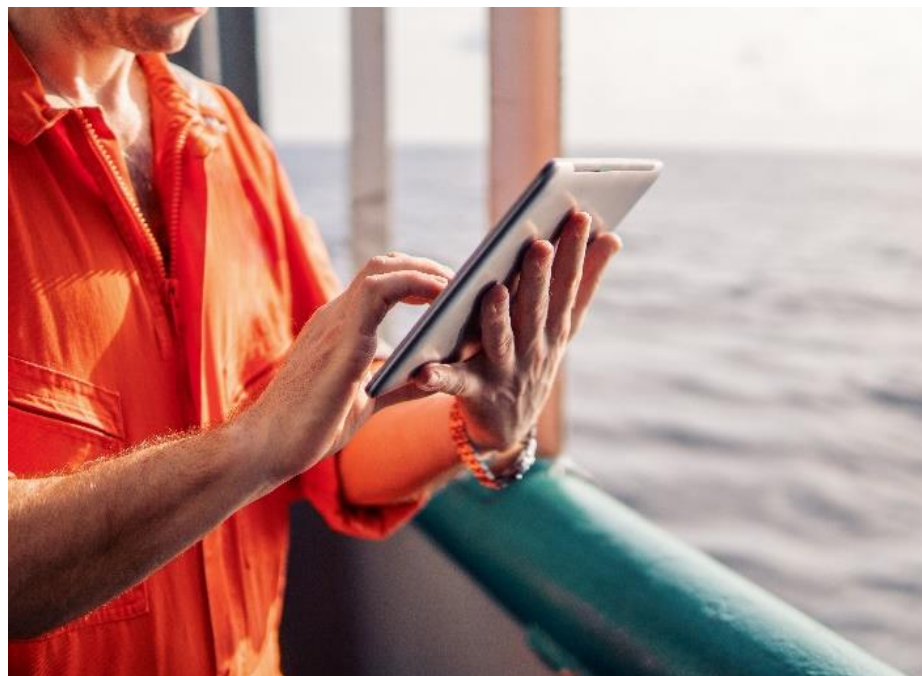
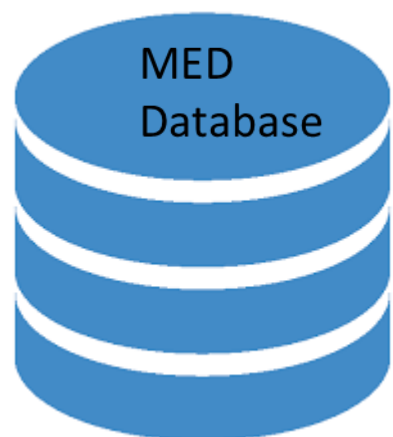
MED Database vs market



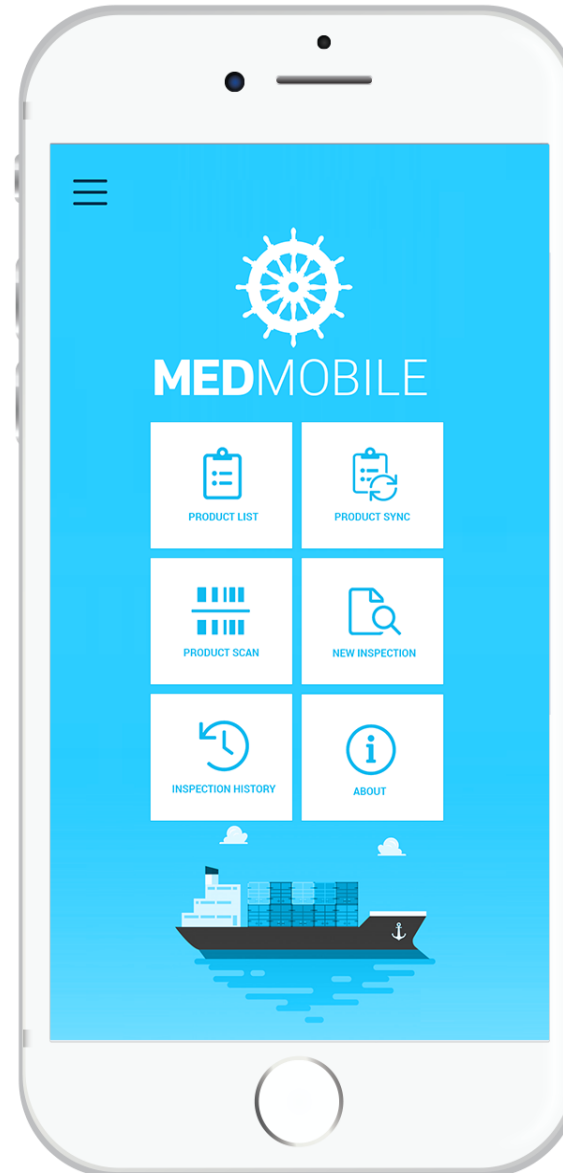
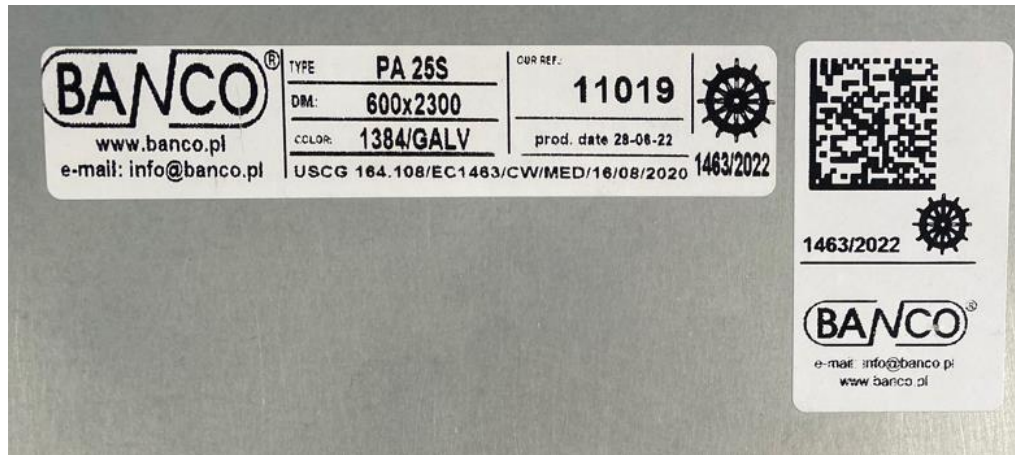
Electronic marking of MED products






Electronic tagging of marine equipment




Electronic marking of marine equipment



Product Detail



[See More Details](#) 

Commercial Product Name:
B15 class wall acc. to KK PA25/KK PA50

Commercial Product Trade Name:

Applied Module(s):
B+D

Type Certificate Number:
CW/MED/16/08/2020

Type Manufacturer Name:
Banco Sp. z o.o.

Type Notified Body Name:
POLSKI REJESTR STATKOW S.A.


Production Certified Number:
CW/MED/886/2019




Production Manufacturer Name:
Banco Sp. z o.o.

Production Notified Body Name:
POLSKI REJESTR STATKOW S.A.

Product Unique Identifier:
1463CW/MED/16/08/20201463CW/MED/886/2019

eTag:
53PB1463CW/MED/16/08/202053PD1463CW/MED/886/2019


18:22◀ MED Mobile4G




'A' & 'B' CLASS DIVISIONS FIRE INTEGRITY (B) 'B' CLASS DIVISIONS.

B15 class wall acc. to KK PA25/KK PA50

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PRODUCT

BACK

GENERAL DETAILS

Commercial Product Name:
B15 class wall acc. to KK PA25/KK PA50


Commercial Model Name:
N/A

Commercial Trade Name:
N/A

Brand Name:
N/A

Product Unique Identifier:
1463CW/MED/16/08/20201463CW/MED/886/2019

Restriction of Use:

portal.med.emsa.europa.eu

Access to the product detail and to the DoC



Revised by AdCo M&LJ on 20 October 2020

AdCo MED EU Declaration of Conformity (DoC)

1. Unique Identification of the Product

Product Name:	B15 class wall acc. to KK PA25/KK PA50
Trade Name:	N/A
MED DB ID:	1463CW/MED/16/08/20201463CW/MED/886/2019
No. document Identifier:	test no
Type:	DOC Test
Batch Number:	null
Serial Number:	null
Additional Information:	null

2. Name and address of the manufacturer:

Manufacturer:	Name:	Banco Sp. z o.o.
	Address:	
	Telephone:	N/A Fax: N/A Email: N/A
	Website:	N/A

(authorized Representative, if applicable):

Authorized Representative:	Name:	N/A
	Address:	N/A
	Telephone:	N/A Fax: N/A Email: N/A
	Website:	N/A

3. This Declaration of Conformity is issued under the sole responsibility of the Manufacturer.

4. Object of the declaration

Legal Framework:	(EU) 2018/773 (2nd Implementing Regulation)
Item Category:	Fire protection
Item Number/Designation:	MED/3.11b - 'A' & 'B' Class divisions fire integrity (b) 'B' class divisions.
Product Name:	B15 class wall acc. to KK PA25/KK PA50
Trade Name:	N/A
Photograph:	

5. The object of the declaration described above is in conformity with: Directive 2014/90/EU

6. References to the relevant performance requirements and testing standards (according to the (EU) 2018/773 of 2018-05-15, first placing on the market: N/A)

Type approval requirements	Testing Standards
- SOLAS 74 Reg. II-2/3.4.	
Carriage and performance requirements	IMO Res.MSC.307(88)-(2010 FTP Code) as amended.
- SOLAS 74 Reg. II-2/3.4.	
- SOLAS 74 Reg. II-2/9.	

7. The notified bodies (listed below) have the following [B+D] conformity assessment procedures and issued the certificate(s):

Module: B	Module: D
Type: Type Examination	Type: Production or Unit Verification
Legal Framework: (EU) 2020/1170	Legal Framework: (EU) 2018/773
Certificate Number: CW/MED/16/08/2020	Certificate Number: CW/MED/886/2019
Issue Date: 2020-09-03	Issue Date: 2019-09-23
Expiry Date: 2025-09-02 (Active)	Expiry Date: 2024-09-22 (Active)
Notified Body: 1463 - POLSKI REJESTR STATKOW S.A.	Notified Body: 1463 - POLSKI REJESTR STATKOW S.A.

8. Additional Information - Application and / or limitations (if any), as specified in EC Type Examination Certificate (Module B or G):

Restriction of Use:	N/A
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MED Product Database

Extracted 2022-08-03 17:22:18 GMT

Product Information

Product Name:	B15 class wall acc. to KK PA25/KK PA50
Model Name:	N/A
Trade Name:	N/A
Brand Name:	N/A
Restriction:	N/A
ID:	1463CW/MED/16/08/20201463CW/MED/886/2019

MED Conformity Information

Legal Framework:	(EU) 2018/773
Item Category:	Fire protection
Item Number:	MED/3.11b 'A' & 'B' Class divisions fire integrity (b) 'B' class divisions.
Applied Module(s):	B+D
Manufacturing Period:	2020-09-03 to 2024-09-22 (Active)

Information on MED certificate(s)

Module: B	Module: D
Type: Type Examination	Type: Production or Unit Verification
Legal Framework: (EU) 2020/1170	Legal Framework: (EU) 2018/773
Certificate Number: CW/MED/16/08/2020	Certificate Number: CW/MED/886/2019
Issue Date: 2020-09-03	Issue Date: 2019-09-23
Expiry Date: 2025-09-02 (Active)	Expiry Date: 2024-09-22 (Active)
Notified Body: 1463 - POLSKI REJESTR STATKOW S.A.	Notified Body: 1463 - POLSKI REJESTR STATKOW S.A.

Manufacturer

Manufacturer:	Name:	Banco Sp. z o.o.
	Address:	PL
	Telephone:	N/A Fax: N/A Email: N/A
	Website:	N/A
Authorized Representative:	Name:	N/A
	Address:	N/A
	Telephone:	N/A Fax: N/A Email: N/A
	Website:	N/A

Two types of notations:



GS1 (Brussels)
Application identifier 723



ANSI /MH10 (US)
Data identifier 53P

Two types of notations:



GS1 (AI 723)				
AI	Cert. Schema	Module	Notified Body	Cert. No
723s	EM	X3	X4X5X6X7	X8...X30







ANSI /MH10 (DI 53P)			
DI	CA module	NB	Cert. No
an3	a1	n4	an5...20

MED e-TAG notations – example

Certificate details

Module	Certificate Number	Notified Body No
B	CW/MED/16/08/2020	1463
D	CW/MED/16/08/2020	1463

E-tag notation





Type	E-tag notation	Data Matrix
	7231EMB1463CW/MED/16/08/20207232EMD1463CW/MED/16/08/2020	
	53PB1463CW/MED/16/08/202053PD1463CW/MED/16/08/2020	

MED e-TAG notations – example


Certificate details

Module	Certificate Number	Notified Body No
B	CW/MED/16/08/2020	1463
D	CW/MED/886/2019	1463

E-tag notation

Type	E-tag notation	Data Matrix
	7231EMB1463CW/MED/16/08/20207232EMD1463CW/MED/886/2019	
	53PB1463CW/MED/16/08/202053PD1463CW/MED/886/2019	

GS1 – Application identifier 723s

Type Manufacturer	Production Manufacturer	Other Details
 Identifiers		
ETAG: 72310191DERA-01PC00045572320191DQAS-11/01/LG0001		
GTIN: No information available		

According to GS1
Application Identifier data
structure

(7231) EMB0474MED083918CS/001
- Certificate-reference 1

(7232) EMD0474MED025718MI/002
- Certificate-reference 2

Certificate B:

NB: 0191

Certificate Number: DERA-01PC000455

Certificate D:

NB: 0191

Certificate Number: DQAS-11/01/LG0001




7231EMB0191DERA-01PC0004557232EMD0191DQAS-11/01/LG0001

(GTIN)7231EMBNB1cert17232EMDNB2cert2

UNIVERSAL AUTOMATIC IDENTIFICATION SYSTEM EQUIPMENT (AIS)

Universal Automatic Identification of Shipping Transponder

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 [BACK](#)

GENERAL DETAILS

Commercial Product Name: Universal Automat
Commercial Model Name: No information av
Commercial Trade Name: JHS-180 AIS
Brand Name: No information av
Product Unique Identifier: 0191QQ-MED-24/
Restriction of Use: None

EU LEGAL BASIS

Legal Framework: 2002/75/EC
MED Item Category: MED/1 Life-saving
MED Item Number and Description: A.1/4.32 Universal
Applied Module(s): B+D


CERTIFICATE DETAILS

MODULE	TYPE	LEGAL FRAMEWORK	CERTIFICATE NUMBER	ISSUE DATE	EXPIRATION DATE
B	Type Examination	2002/75/EC	QQ-MED-24/02-01RS	Nov 18, 2005	Nov 25, 2015

MAGNETIC COMPASS

Magnetic Compass Class A

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GENERAL DETAILS


Commercial Product Name: Magnetic Compass Class A
Commercial Model Name: No information available
Commercial Trade Name: OCEAN
Brand Name: No information available
Product Unique Identifier: 0191DERA-01PC0004550191DQAS-11/01/LG0001
Restriction of Use: None

EU LEGAL BASIS


CERTIFICATE DETAILS

DECLARATION OF CONFORMITY

Type ManufacturerProduction ManufacturerOther Details

 Identifiers

ETAG: 72310191DERA-01PC00045572320191DQAS-11/01/LG0001
GTIN: No information available

 References

URL: No information available
EXTERNAL LINK: No information available

e-TAG submission:



a) With the product data (via excel),

A	B	C	D	E	F	G	H	I	J	K
Operation	ItemId	AppliedModule	ProductName	Model Name	Trade Name	Brand	RestrictionOfUse	Etag	GTIN	Url

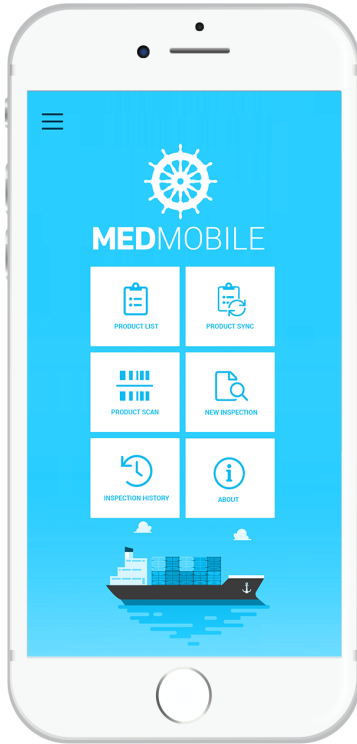
-b) Using web user interface,





- Electronic tagging reader enabling marine equipment inspections
- Capability to work offline without internet connection
- On site access to product information such as: certificate, manufacturer, DOC information, etc.

MED Mobile App



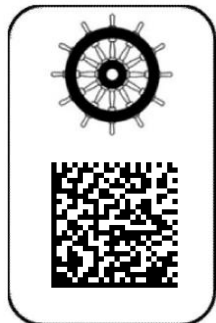
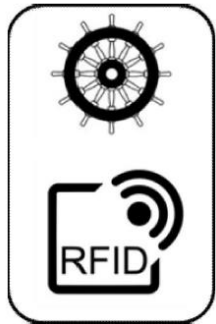
EMSA MED Mobile
Med Mobile
★★★★★ 1

OPEN

Available for free download on:

- Google Play Shop
- Apple Store

(EMSA MED mobile)





Thank you for your attention!

med@emsa.europa.eu

MaritimeSupportServices@emsa.europa.eu

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 facebook.com/emsa.lisbon

