

# EMSA tools to support Capacity Building

RuleCheck and MaCKs

Georgios Christofi / Head of Unit  
Department B: Environment and Capacity Building

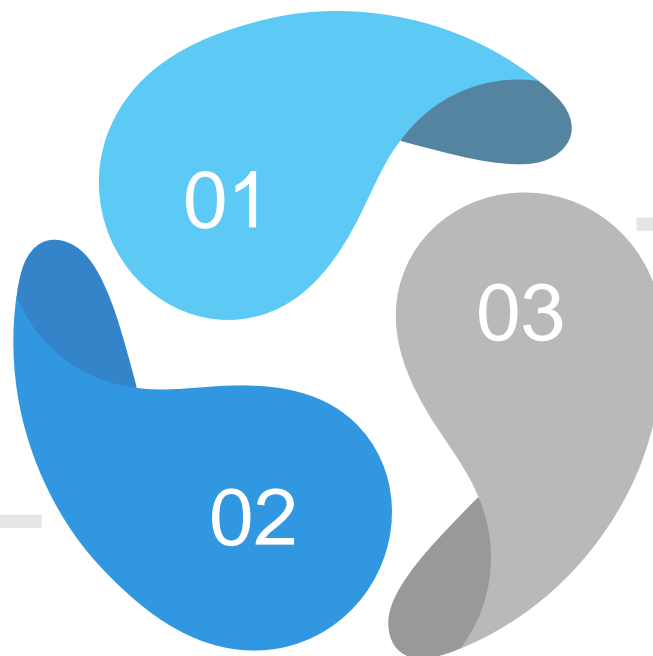
Lisbon / 26/09/2017



# MaKCs

## Maritime Knowledge Centre

Initially put in place to support the  
Professional Development Scheme of  
Paris MoU

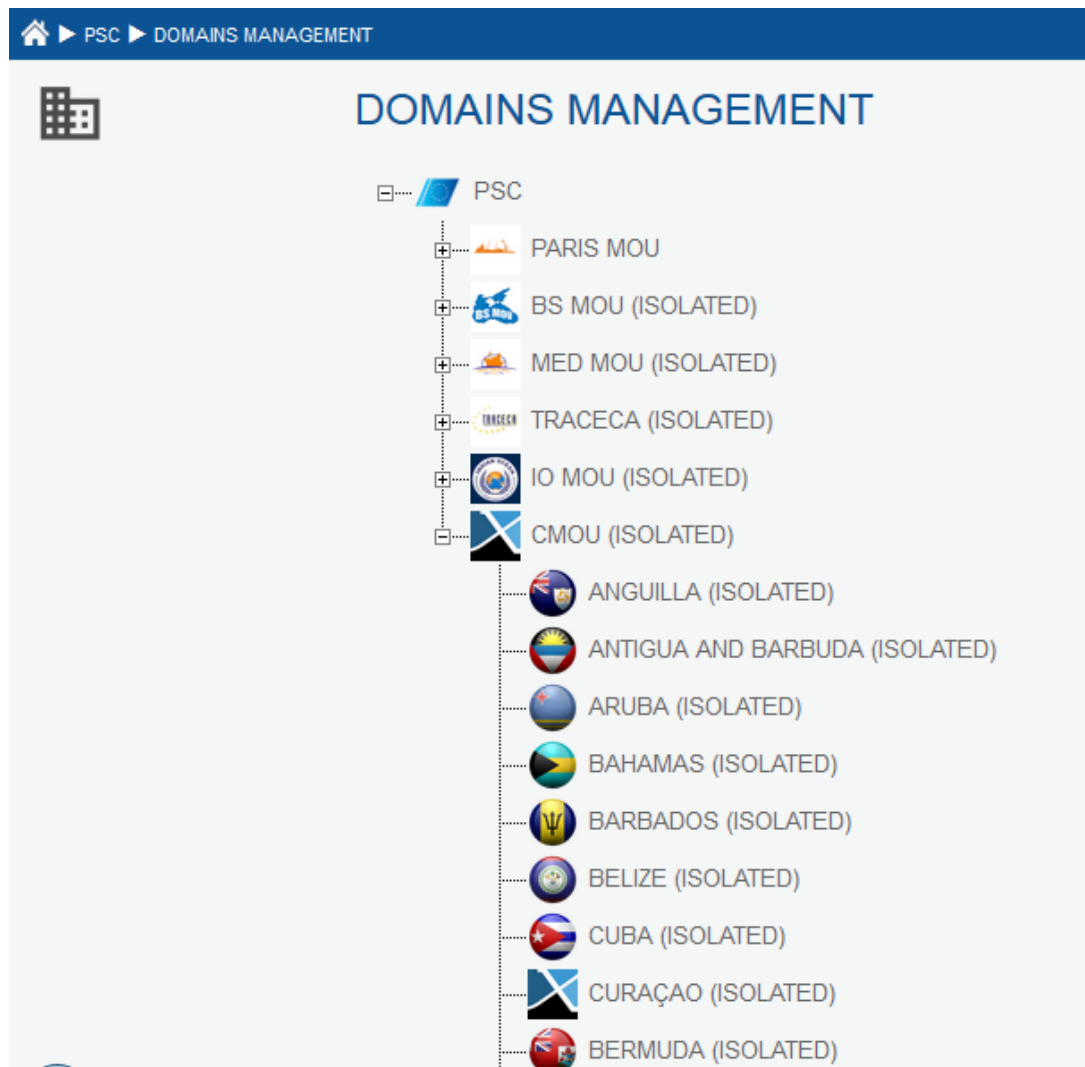


Available since 2010

To complement EMSA /  
Paris MoU “face-to-face”  
training

Available for:

- Paris MoU
- Black Sea MoU
- Mediterranean MoU
- Caribbean MoU
- Indian Ocean MoU
- Flag States
- EU Comp. Auth.
- Accident Investigators



The screenshot displays the 'DOMAINS MANAGEMENT' interface within the EMSA system. At the top, a navigation bar shows a home icon, followed by 'PSC' and 'DOMAINS MANAGEMENT'. Below this, a tree view structure is shown. The 'PSC' node is expanded, revealing a list of domains. Each domain is represented by a flag icon, a plus sign, and a label. The domains listed are: PARIS MOU, BS MOU (ISOLATED), MED MOU (ISOLATED), TRACECA (ISOLATED), IO MOU (ISOLATED), and CMOU (ISOLATED). The CMOU (ISOLATED) node is further expanded, showing a list of individual flag states, each with a flag icon and a label: ANGUILLA (ISOLATED), ANTIGUA AND BARBUDA (ISOLATED), ARUBA (ISOLATED), BAHAMAS (ISOLATED), BARBADOS (ISOLATED), BELIZE (ISOLATED), CUBA (ISOLATED), CURAÇAO (ISOLATED), and BERMUDA (ISOLATED).

DOMAINS MANAGEMENT

- PSC
  - PARIS MOU
  - BS MOU (ISOLATED)
  - MED MOU (ISOLATED)
  - TRACECA (ISOLATED)
  - IO MOU (ISOLATED)
  - CMOU (ISOLATED)
    - ANGUILLA (ISOLATED)
    - ANTIGUA AND BARBUDA (ISOLATED)
    - ARUBA (ISOLATED)
    - BAHAMAS (ISOLATED)
    - BARBADOS (ISOLATED)
    - BELIZE (ISOLATED)
    - CUBA (ISOLATED)
    - CURAÇAO (ISOLATED)
    - BERMUDA (ISOLATED)

## Harmonization and Uniformity





**MaKCs is currently accounting for 3000 users from eighty countries worldwide**



**Course catalogue is currently being tailored accordingly to the needs of Maritime Administrations**



**Not only for PSC**





**MaKCs can also incorporate training material developed by each National Maritime Administration**



## Distance Learning modules that will be made available for staffs other than PSCOs

1. Hull and Construction
2. Safety Equipment
3. Fire Protection and Fire Fighting
4. Safety of Navigation and COLREG
5. Radio and communications
6. Engine Room
7. Security
8. Cargoes
9. Special Ships
10. MARPOL Annex I
11. MARPOL Annex II
12. MARPOL Annex III
13. MARPOL Annexes IV - V – VI
14. The STCW Convention
15. Maritime Labour Convention, 2006



## Distance Learning modules that will be made available for staffs other than PSCOs

- 16. MEDMOU Inspection Procedures
- 17. EU Maritime Legislation
- 18. Ballast Water Management Convention
- 19. Procedures for Approval of Ballast Water Management System
- 20. Sulphur Directive and associated implementing acts
- 21. Introduction to the STCW Convention and Code
- 22. Sulphur Inspector's Guide including THETIS-EU
- 23. EMSA's Equipment Assistance Service (EAS)


## A combination of text, audio, video, attachments and questions

Inspection procedures

Introduction > Port State control inspection procedures

EMSA

Menu



Port State control inspection procedures


Port State control plays a significant role in the implementation of IMO and ILO Conventions, the so-called relevant instruments. Although port State control should be regarded as complementary to flag State measures to ensure compliance with convention provisions, its importance to enhance maritime safety, the protection of the marine environment, security and seafarers' living and working conditions on board is well recognised. Besides the principles governing port State control, integrity, professionalism, transparency, harmonization, uniformity, cooperation and exchange of information are the foundations of an effective port State control system. It is therefore important that the inspector, when exercising port State control, demonstrates an exemplary attitude and takes into account the relevant Paris MoU procedures in place for the inspection. References to inspector in this course mean a Port State Control Officer who is properly qualified and has been authorized by the Authority to carry out port State control inspections without prejudice to national provisions.


00:00

page 01/23

## Evaluation of knowledge - Questionnaire

Accident Investigation



 The legislative body > Learning check-point

Complete the sentences.

The International Maritime Organization (IMO) was established in 1948 as a specialized body of

IMO effectively promote the maritime safety at

The IMO Casualty Investigation Code aim is a common approach in the conduct of marine safety investigations into

Menu






-----  
-----  
marine casualties  
marine casualties and marine accidents  
marine accidents

to improve



The second purpose of the Directive 2009/18/EC is to prevent

The third purpose of the Directive 2009/18/EC is to reduce the risk of future

confirm



00:05

 page 07/47 

# MaKCs – Access to the system

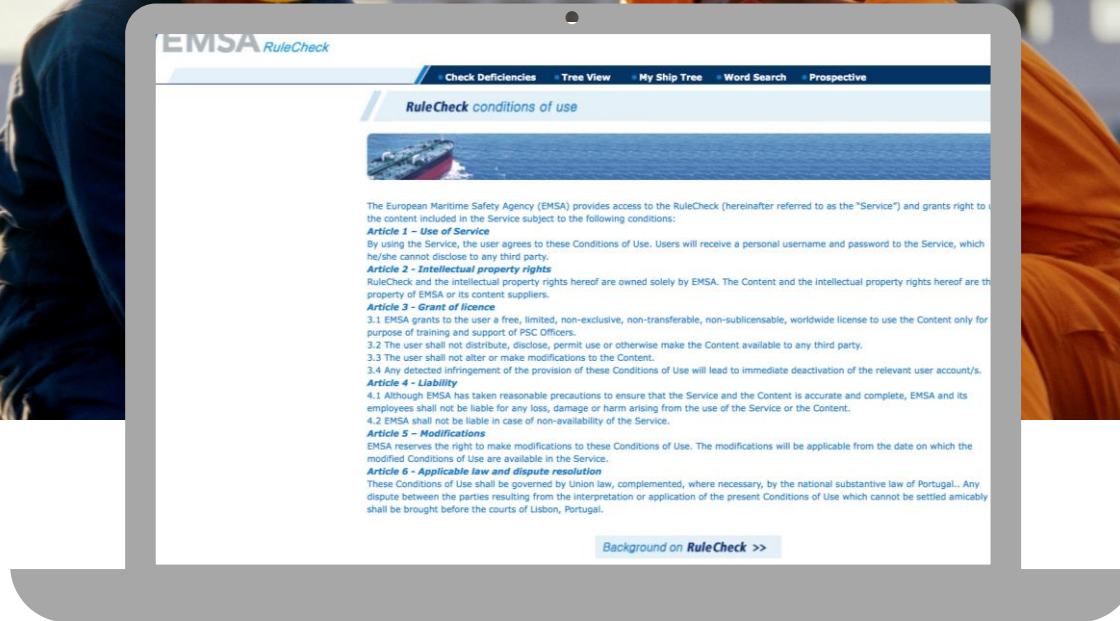
<https://portal.emsa.europa.eu>



# RuleCheck

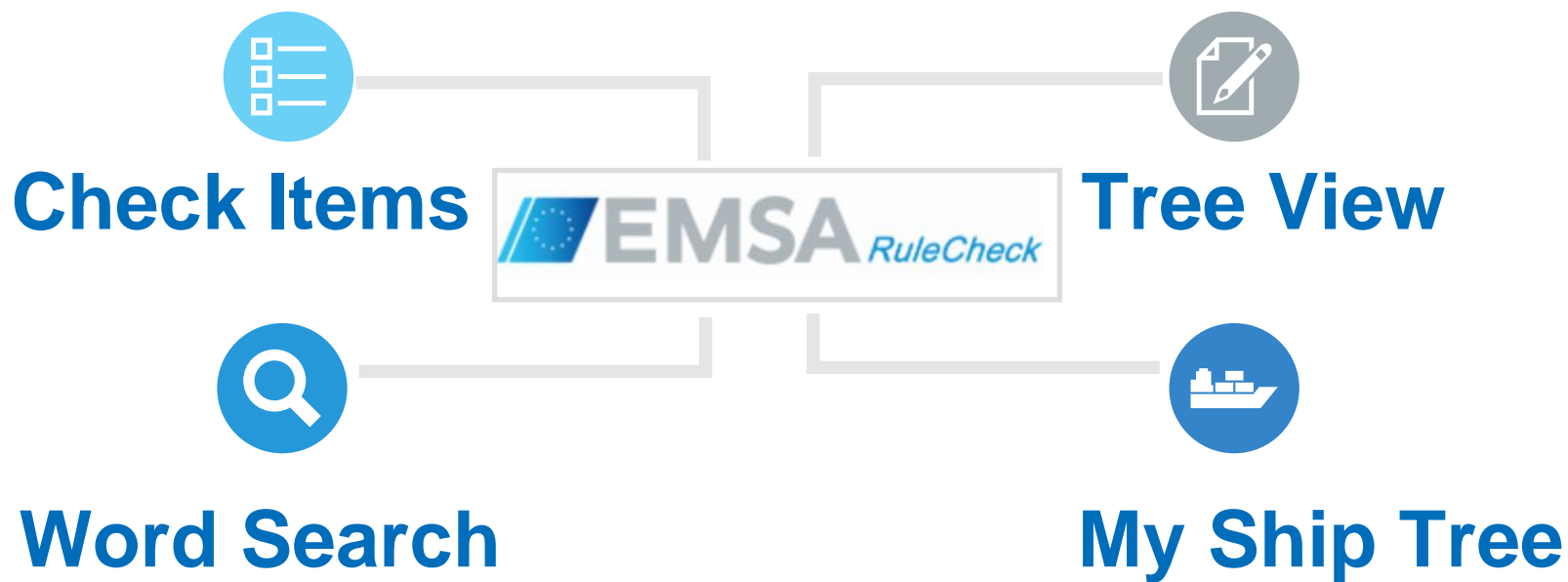


# What is RuleCheck?



**Supporting decision tool originally designed to facilitate Port State Control Officers in applying IMO/ILO relevant instruments**





CheckDeficiencies - RuleC... X +

<https://rulecheck.emsa.europa.eu/srcweb/default.jsp>

RuleCheck

[Check Deficiencies](#)
[Tree View](#)
[My Ship Tree](#)
[Word Search](#)
[Prospect](#)

## Check Deficiencies

### Ship's Particular

Name of Ship	EMSA RULE CHECK
IMO Number	0000000
*Ship Type	Choose one
*Date	Keel laying date  ddmmyyyy
Date of Enquiry	22/09/2017  ddmmyyyy
Gross Tonnage	<input type="text"/> GT
Deadweight Tonnage	<input type="text"/> dwt
Freeboard Length	<input type="text"/> m
Overall Length	<input type="text"/> m
Passenger Number	<input type="text"/> p

### Criteria Selection

Choose One

Submit

Click here for a new search

## Check Deficiencies

This function helps a user find a Convention reference to support any deficiency found during PSC

Input factors with asterisk in bold(\*) (Ship Type and Construction Date) under Ship's Particular are mandatory and must be filled in to produce check deficiencies.


Although other input fields (Gross Tonnage, Deadweight Tonnage, Ship's Length (Lf), LOA and Passenger Number) do not need to be filled in, inputting additional data will further refine the search and will lead to the retrieval of more accurate and detailed check items.

If no Selection Criteria are chosen, the system will indicate all possible deficiencies for this type of ship and age.

By selecting "Deficiency Code", the user will have to select one numerical code attached to the searched deficiency from the list of existing codes. Only one proposal is then done by the system.


By selecting "Defective Items", the user will have to select one item attached to the searched deficiency from the list of existing items. Only one proposal is then done by the system.

By selecting "Convention or Code", the user will have to select one of the specific Convention or Code which contains the searched reference. The list proposed has been extended to Chapter or Annex of Conventions when relevant. The system will then indicate all possible deficiencies linked to this Convention.



Tree View - RuleCheck v10.0

<https://rulecheck.emsa.europa.eu/srcweb/default.jsp>



[Check Deficiencies](#)
[Tree View](#)
[My Ship Tree](#)
[Word Search](#)
[Prospective](#)

Tree View

- Paris MoU
- Med MOU :
- Black Sea MOU :
- EU Legislation
- ILO Instruments
- IMO Instruments
  - Conventions :
    - SOLAS 1974\*\*\* :
      - Amendment Status : SOLAS 1974
      - SOLAS 2017 Consolidated Edition
      - SOLAS 1974 Convention :
      - SOLAS 1978 Protocol :
      - SOLAS 1981 Amendment :
      - SOLAS 1983 Amendment :
      - SOLAS 1988 Amendment :
      - SOLAS 1989/1990 Amendment :
      - SOLAS 1991/1992 Amendment :
      - SOLAS 1994/1995 Amendment :
      - SOLAS 1996-1998 Amendment :
      - SOLAS 1999/2000 Amendment :
      - SOLAS 2001-2003 Amendment :
      - SOLAS 2004 Amendment :
      - SOLAS 2005 Amendment :
      - SOLAS 2006 Amendment :
      - SOLAS 2007 Amendment :
      - SOLAS 2008 Amendment :
      - SOLAS 2009 Amendment :
      - SOLAS 2010 Amendment :
      - SOLAS 2011 Amendment :
      - SOLAS 2012 Amendment :
      - SOLAS 2013 Amendment :
      - SOLAS 2014 Amendment :
      - SOLAS 2015 Amendment :
      - SOLAS 2016 Amendment (96th)
      - SOLAS 2016 Amendment (97th)

Amendment Status : SOLAS 1974

Content : IMO Instruments [SOLAS 1974 \\*\\*\\*](#)

Title		SOLAS / Amendment Status						
<b>SOLAS</b>								
<b>Convention(International Convention for the Safety of Life at Sea, 1974, as modified by the protocol of</b>								
Amendments	Adopted		Effective date	Amendments to Chapter				
	by	date		I	II-1	II-2	III	IV
1960 SOLAS <sup>1)</sup>	Conference	17.Jun.1960	26.May.1965					
1974 SOLAS	Conference	01.Nov.1974	25.May.1980					
1978 Protocol	Conference	17.Feb.1978	01.May.1981	2, 6, 7, 8, 10, 11, 14, 19	1, 2, 29(d)	1, 3, 55, 60		
1981 Amendments	<a href="#">Res.MSC.1(45)</a>	20.Nov.1981	01.Sep.1984		1 ~ 54 (Completely revised)	1 ~ 63 (Completely revised)	1(c)(iii)(2), 27(c), 30(a), 38	4-1, 7, 10(g,h,i,m), 16(b,c,j), 19(c,d)
1981 Amendments to 1978 Protocol	<a href="#">Res.MSC.2(45)</a>	20.Nov.1981	01.Sep.1984		29(d)(i)(1), 29(d)(i)(3)			
1983 Amendments <sup>2)</sup>	<a href="#">Res.MSC.6(48)</a>	17.Jun.1983	01.Jul.1986		1, 3, 5, 6, 41, 42, 43, 49	1, 3~7, 11~15, 20, 26, 27, 32, 36, 37, 40, 49, 51~56, 59, 61, 62	1~53 (Completely revised)	2(i), 14-3(new)
1988 Amendments	<a href="#">Res.MSC.11(55)</a>	21.Apr.1988	22.Oct.1989		23-2(new), 42-1(new)			
1988 Amendments GMDSS <sup>3)</sup>	GMDSS/CONF/9	09.Nov.1988	01.Feb.1992	7, 8, 9, 10, 12, 14	42, 43		1, 6, 10, 38, 41, 42	1~21 (Completely revised)
1988 Amendments to 1978 Protocol <sup>4)</sup>	GMDSS/CONF/6	10.Nov.1988	01.Feb.1992	8, 10, 14				
1988 Protocol <sup>5)</sup>	HSSC/CONF/11	11.Nov.1988	03.Feb.2000	2(k,n), 6~16, 19				
					11, 12, 12-1,	4,13-1, 15, 18, 26, 27, 38, 40,		

MyShipTree - RuleCheck v... X +

<https://rulecheck.emsa.europa.eu/srcweb/default.jsp>

**RuleCheck**

**My Ship Tree**

**My Ship Tree(My Ship SOLAS, MARPOL, ICLL, IGC, IBC, HSC, MLC)**

\*Category

MARPOL

\*Ship Type

-- Oil Tankers

\*Keel laying date

01/09/2017

ddmmyyyy

Current Date

22/09/2017

ddmmyyyy

Gross Tonnage

GT

Freeboard Length

m

Compile

Annex I : REGULATIONS FOR THE PREVENTION OF P

Annex IV : REGULATIONS FOR THE PREVENTION OF

Annex V : REGULATIONS FOR THE PREVENTION OF

Annex VI : REGULATIONS FOR THE PREVENTION OF

Check Deficiencies

Tree View

My Ship Tree

Word Search

Prospective

Annex I

ContentList : IMO Instruments ▶ MARPOL \*\*\* : ▶ MARPOL 73/78 & 1984 Amendment :

Path	Tit
MARPOL 2014 Amend (66th) / Annex I	Reg. 1 (14 Amendment): Definitions
MARPOL 2004 Amend (Oct.) / Annex I	Reg. 2 (04 Amendment (Oct.)): Application
MARPOL 2015 Amend / Annex I	Reg. 3 (15 Amendment): Exemptions and waivers
MARPOL 2015 Amend / Annex I	Reg. 4 (15 Amendment): Exceptions
MARPOL 2004 Amend (Oct.) / Annex I	Reg. 5 (04 Amendment (Oct.)): Equivalents
MARPOL 2004 Amend (Oct.) / Annex I	Reg. 7 (04 Amendment (Oct.)): Issue or endorsement of certificate
MARPOL 2004 Amend (Oct.) / Annex I	Reg. 8 (04 Amendment (Oct.)): Issue or endorsement of certificate by another Government
MARPOL 2004 Amend (Oct.) / Annex I	Reg. 9 (04 Amendment (Oct.)): Form of certificate
MARPOL 2004 Amend (Oct.) / Annex I	Reg. 10 (04 Amendment (Oct.)): Duration and validity of certificate
MARPOL 2004 Amend (Oct.) / Annex I	Reg. 11 (04 Amendment (Oct.)): Port State control on operational requirements
MARPOL 2015 Amend / Annex I	Reg. 12 (15 Amendment): Tanks for oil residues (sludge)
MARPOL 2006 Amend / Annex I	Reg. 12A (06 Amendment): Oil fuel tank protection
MARPOL 2009 Amend / Annex I	Reg. 13 (09 Amendment): Standard discharge connection
MARPOL 2015 Amend / Annex I	Reg. 14 (15 Amendment): Oil filtering equipment
MARPOL 2015 Amend / Annex I	Reg. 15 (15 Amendment): Control of discharge of oil
MARPOL 2004 Amend (Oct.) / Annex I	Reg. 16 (04 Amendment (Oct.)): Segregation of oil and water ballast and carriage of oil in fore;
MARPOL 2009 Amend / Annex I	Reg. 17 (09 Amendment): Oil Record Book, Part I - Machinery space operations
MARPOL 2004 Amend (Oct.) / Annex I	Reg. 18.1~18.5 (04 Amendment (Oct.)): Oil tankers of 20,000 tonnes deadweight and above de
MARPOL 2004 Amend (Oct.) / Annex I	Reg. 18.6~18.7 (04 Amendment (Oct.)): Crude oil tankers of 40,000 tonnes deadweight and ab
MARPOL 2004 Amend (Oct.) / Annex I	Reg. 18.8 (04 Amendment (Oct.)): Product carriers of 40,000 tonnes deadweight and above del

[1]

2


3

4

18

WordSearch - RuleCheck ...
+

https://rulecheck.emsa.europa.eu/srcweb/default.jsp



Check Deficiencies
Tree View
My Ship Tree
Word Search
Prospective

Word Search

\*Search for

Lifeboat

\*WITH

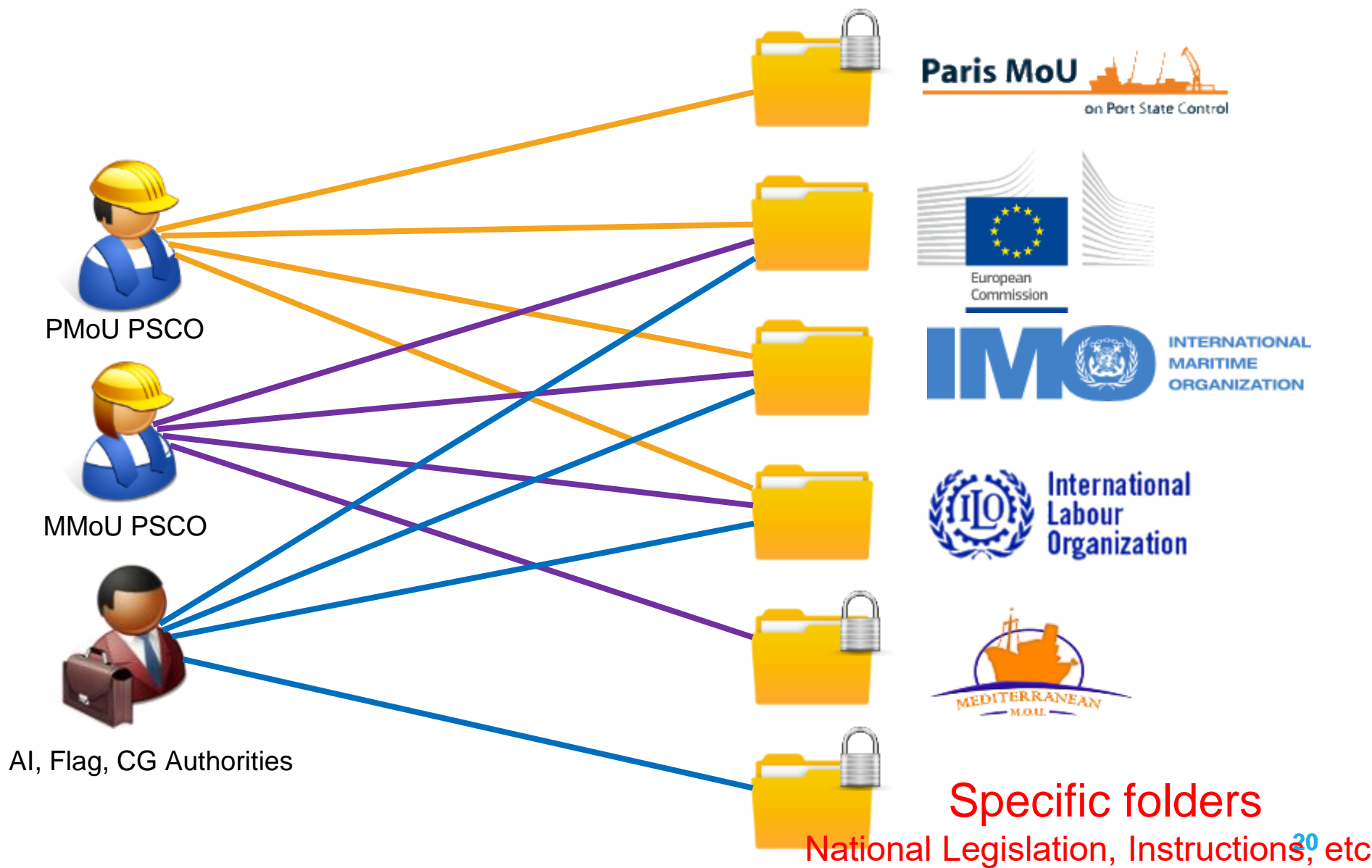
\*EXCEPT

Show Advanced Search

Search

Search result

Path	Title
PSC Instruction	43/2010/06 : Guidance on ships which call only for dry-docking
PSC Instruction	43/2010/11 rev1 : Guidelines on accepting Flag State exemptions and Flag State conditions (rev1)
PSC Instruction	44/2011/11 rev2 : Guidance on type of inspections
PSC Instruction	49/2016/10 : Guidelines for Port State Control Officers Checking Compliance with MARPOL Annex VI
PSC Instruction	44/2011/16 : Guidelines on inspecting lifeboat on-load release hooks
PSC Instruction	49/2016/09 : Guidance on procedures for operational controls
PSC Instruction	49/2016/06 : Definitions and abbreviations
PSC Instruction	49/2016/13 rev1 : Guidelines for the Port State Control Officers on the IMO POLAR Code
Paris MOU	PSCircular 70 : Replacement of lifeboat release and retrieval systems incl flowchart
Paris MOU / 5. Tables	3. Table on exemption - equivalent arrangements (rev.33) :
Paris MOU / 6. Codes for nature of deficiencies	THETIS deficiency matrix(13.01.2017) :
Black Sea MOU	Table of Content - Rev 14 :
Black Sea MOU / B. PSC GUIDELINES ON RELEVANT INSTRUMENTS	B.1.4 Guidelines on inspecting lifeboat on-load release hooks :
Black Sea MOU / B. PSC GUIDELINES ON RELEVANT INSTRUMENTS	B.1.10 Guidelines on Flag State Exemptions and Flag State Conditions :
Black Sea MOU / B. PSC GUIDELINES ON RELEVANT INSTRUMENTS	B.2.4 Guidelines for PSC Under MARPOL Annex VI Rev.1 :





# Usability

## Use of RuleCheck and Distance Learning by beneficiaries' PSCOs

### MaKCs users (278)

Algeria	32
Egypt	18
Israel	22
Jordan	10
Lebanon	10
Morocco	22
Tunisia	34
Turkey	130

### Activities with Distance Learning

**21 users** started but not necessarily completed the course on MEDMOU Procedures (**Leb 1; Isr 1; Mor 3; Tun 13; Tur 3;**)

**More than 100 users** never accessed the system

### RuleCheck users (186)

Algeria	34
Egypt	0
Israel	19
Jordan	0
Lebanon	2
Libya	0
Morocco	37
Palestine	0
Tunisia	1
Turkey	93

# Questions?





**Thank you for your attention**

 [twitter.com/emsa\\_lisbon](https://twitter.com/emsa_lisbon)

 [facebook.com/emsa.lisbon](https://facebook.com/emsa.lisbon)

