

# Deficiencies / Coding

**35 EMSA/Paris MoU PSC Seminar**

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# Legal background

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## Former text in the PMoU Memorandum

3.10 The Authorities will ensure that, on the conclusion of an inspection, the master of the ship is provided with a report of inspection, giving the results of the inspection and details of any action to be taken.

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## Former text in the PMoU Memorandum



REPORT OF INSPECTION IN ACCORDANCE WITH THE  
(reporting authority)

1. Name of ship ..... 2. IMO number ..... 3. Date

### DEFICIENCIES FOUND AND FOLLOW UP ACTIONS\*\*)

Nr.	Code/Defective item	Nature of defect <sup>1)</sup>	Convention ref. <sup>2)</sup>	Ground for Detention
.....	.....	.....	.....	<input type="checkbox"/>
.....	.....	.....	.....	<input type="checkbox"/>

2) To be completed in the event of a detention.

## Decision of PSCC41

### PSCC41/4.4.2A Relevant conventions and maintenance codes

- *The Committee agreed to start on a voluntary basis to record relevant convention references and requested members to report experiences to Denmark for consideration at PSCC42.*

## PMoU Memorandum from 01.07.2014

3.10 The Authorities will ensure that, on the conclusion of an inspection, the master of the ship is provided with a report of inspection, giving the results of the inspection, including references to the relevant instruments and details of any action to be taken.

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# Structure of the code

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## The coding system – Code Tables

- States Flags and Countries

- Ports Locations

UN/LOCODES

- ROs Including Classes

IMO (GISIS)

- Ship types

- Certificates

Being defined within the  
Working Group on Codes

- Deficiencies

- Action Taken

## The coding system – Structure

### Base Code:

- to link a deficiency to a convention
- to link to a statutory certificate
- to link to a RO for a detainable deficiency
- to allow statistical analysis

## The coding system - Structure

Base Code compiled of a:

- Convention Code
- Reference Digit
- Control Digit

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Convention code ▼	Ref. Digit ▼	Control Digit ▼	Base Code ▼	Convention
01	00	0	01000	<b>SOLAS</b>
01	01	0	01010	SOLAS ch. I
01	02	1	01021	SOLAS ch. II-1 Parts A, A-1, B, B-1, B-2, B-3, B-4
01	02	2	01022	SOLAS ch. II-1 Parts C, D, E, F
01	02	3	01023	SOLAS ch. II-2
01	03	0	01030	SOLAS ch. III
01	04	0	01040	SOLAS ch. IV
01	05	0	01050	SOLAS ch. V
01	06	0	01060	SOLAS ch. VI
01	07	0	01070	SOLAS ch. VII

## The coding system - Structure

### Deficiency Code:

- always linked to one or more Base Codes
- to describe a deficiency
- to link to a RO for a detainable deficiency
- to allow statistical analysis

## The coding system - Structure

Deficiency Code compiled of a:

- Area Code which is compiled of a:
  - Risk area and a Sub area code

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<i>Risk area code</i>	<i>Risk area (as in verification report)</i>	<i>Sub area code</i>	<i>Sub area</i>	<i>Def Area code</i>	<i>Deficiency area</i>
01	Certificate & Documentation	1	Ship Certificates	011	Certificate & Documentation - Ship Certificates
01	Certificate & Documentation	2	Crew Certificates	012	Certificate & Documentation - Crew Certificates
01	Certificate & Documentation	3	Documents	013	Certificate & Documentation - Documents
02	Structural Conditions	1		021	Structural Conditions
03	Water/Weathertight conditions	1		031	Water/Weathertight conditions
04	Emergency Systems	1		041	Emergency Systems
05	Radio Communications	1		051	Radio Communications

## The coding system - Structure

and:

- Defective Item

Defective Item	Risk Area	Sub Area	Risk Area	Def Area	Indiv. code	Item Code	Base code 1	Base code 2	Default Base code
Cargo Ship Safety Equipment (including exemption)	Certificates & Documentation	Ship Certificate	01	011	01	01101	01010		
Cargo Ship Safety Construction (including exempt.)	Certificates & Documentation	Ship Certificate	01	011	02	01102	01010		
Passenger Ship Safety (including exemption)	Certificates & Documentation	Ship Certificate	01	011	03	01103	01010		
Cargo Ship Safety Radio (including exemption)	Certificates & Documentation	Ship Certificate	01	011	04	01104	01010		
Cargo Ship Safety (including exemption)	Certificates & Documentation	Ship Certificate	01	011	05	01105	01010		
Fitness for duty - work and rest hours	Working and Living Conditions	Working Conditions	09	092	35	09235	09020	05080	09020

## The coding system - Deficiencies

This code will be used to link the Deficiency Code to the relevant convention

### Base Code

0 9 0 3 0

Convention  
Code

Reference  
Digit

Control  
Digit

ILO C147/P147

Title 3:  
Accommodation,  
recreational  
facilities, food  
and catering

No need  
in this  
example

This code will be used to identify the deficiencies

### Deficiency Code

0 9 1 0 3

Area Code

Defective Item

Working  
and Living  
Conditions

Living  
Conditions

Ventilation



## The coding system - Deficiencies

### Base Code

Convention Code	Reference Digit	Control Digit
01	02	4

01024

SOLAS

Chapter II

II-2

04020

MARPOL

Annex II

No need  
in this  
example

### Deficiency Code

Area Code	Defective Item
013	09

01309

Certificates &  
Documentation

Document

Fire control  
plan

14201

Pollution  
Preventions

Marpol  
Annex II

Efficient  
stripping



# Implementation in THETIS

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## Base Code – how it looks in THETIS

Deficiency area: \* 011 - Certificate & Documentation - Ship Certificates ▼

Defective item: \* 01101 - Cargo Ship Safety Equipment (including exemption) ▼

Note: Selecting another item will reset the form

Nature of defect: \* ▼

Accidental damage ☐

Actions: \*

- 10 - Rectified
- 15 - To be rectified at next port
- 16 - To be rectified within 14 days
- 17 - To be rectified before departure
- 26 - Competent security authority informed
- 46 - To be rectified at agreed repair port
- 47 - As in the agreed class condition
- 48 - As in the agreed flag State condition

Add »

« Remove

As referred to in SOLAS ch. I ▼

Reference

Base Code filled  
by THETIS in line  
with the Defective  
Item used

## Base Code – how it looks in THETIS

**Deficiency area:** \* 092 - Living and Working Conditions - Working Conditions ▼

**Defective item:** \* 09235 - Fitness for duty - work and rest hours ▼

**Note:** Selecting another item will reset the form

**Nature of defect:** \* ▼

**Accidental damage** ☐

**Actions:** \*

- 10 - Rectified
- 15 - To be rectified at next port
- 16 - To be rectified within 14 days
- 17 - To be rectified before departure
- 26 - Competent security authority informed
- 46 - To be rectified at agreed repair port
- 47 - As in the agreed class condition
- 48 - As in the agreed flag State condition

**Add >>**

**<< Remove**

**As referred to in** ▼

**Reference** STCW Code Part A ch.VIII  
C147 and P147: Conditions of employment

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Base Code  
to be  
selected by  
the PSCO

# Examples

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## THETIS - how it should be

07114

Remote Means of  
control (opening, pumps,  
ventilation, etc.)  
Machinery spaces

Inoperative

SOLAS ch. II-2 -  
SOLAS 91/92 Amend /  
II-2 / Reg. 4

04114

Emergency source of  
power - Emergency  
generator

Inoperative

SOLAS ch. II-1 Parts C,  
D, E, F - SOLAS 91/92  
Amend / II-1 / Reg. 43

## THETIS - how it should not be

14119-Oil and oily  
mixtures from machinery  
spaces

Lack of familiarity

MARPOL Annex I -  
STCW25 PART A Ch  
VIII PART 3.8.8

09223-Gangway,  
accommodation-ladder

Damaged

C147 and P147: Health  
protection, medical care,  
welfare & social security  
Load Lines Annex I. R15

## THETIS - Problem more than one Base Code

03101-Overloading

Overloaded

SOLAS ch. VI - 11 68 Art

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**<https://thetis-training.emsa.europa.eu/web/guest>**



## Questions ?