



AMENDMENT TO STCW

**Integration of radiocommunication function
into the capacity of deck officer**



**Why should Radiocommunication
be included as a function of deck officers**



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**AMENDMENT
STRATEGY**



WHY NECESSARY?

3/33

>> Code A of STCW Convention Ch.2 Section A-II/1, Section A-II/3



01 <

Navigation at the operational level



02 <

Cargo handling and stowage at the operational level



03 <

Controlling the operation of the ship and care for persons on board at the operational level



WHY NECESSARY?

4/33

>> Code A of STCW Convention Ch.2 Section A-II/1, Section A-II/3

**Why should radiocommunication
be included as a function of deck
officers?**

**controlling the operation of the ship and
on board at the operational level**



WHY NECESSARY?

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WHY NECESSARY?

6/33



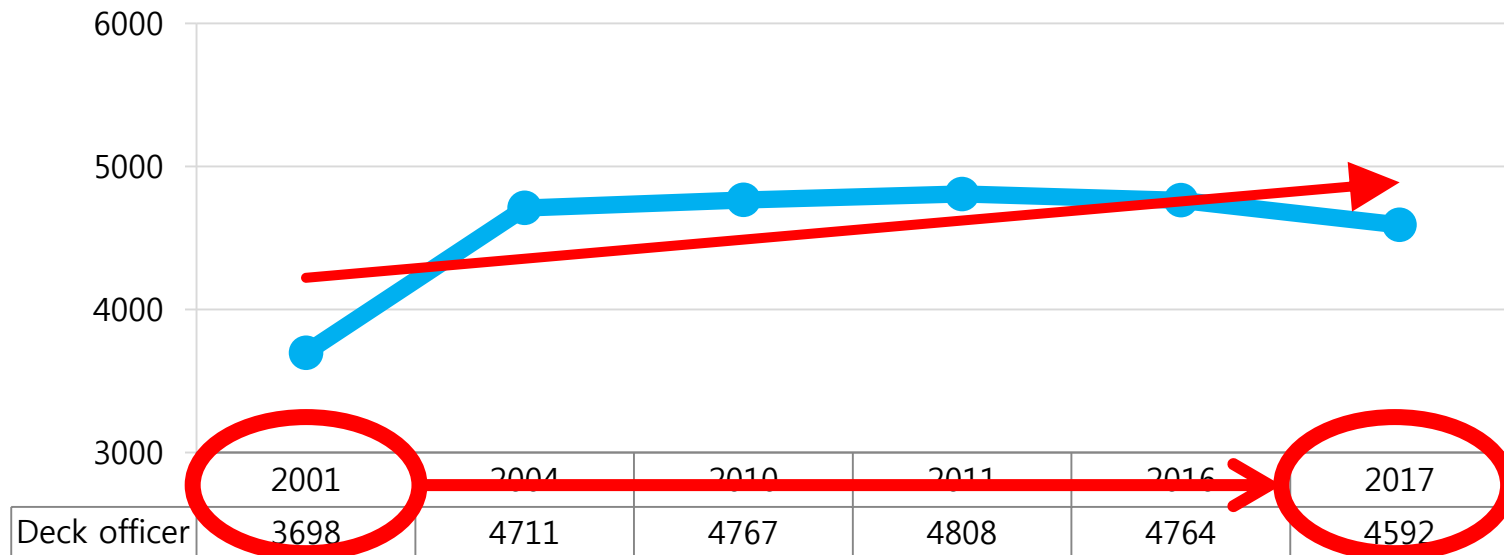


WHY NECESSARY?

7/33

>> Referenced from Korea Seafarer's & Employment Center

Deck officer



The number of deck officers is gradually increasing

Deck officers have always been the large proportion among the officers

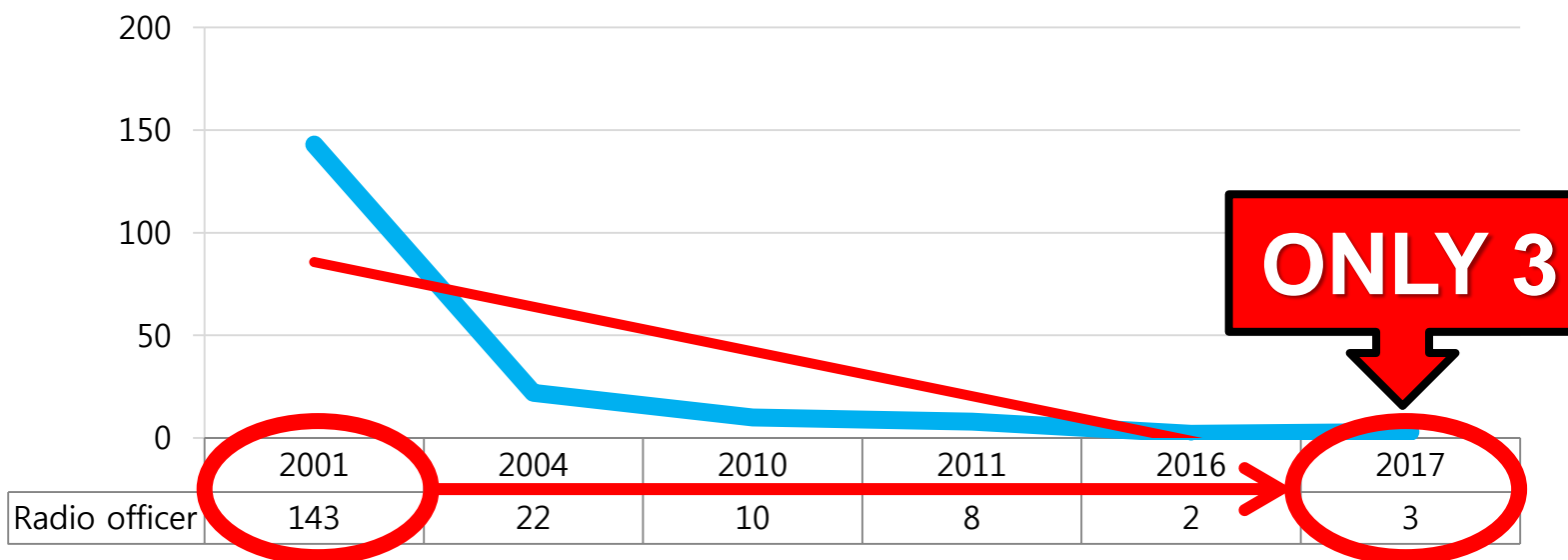


WHY NECESSARY?

8/33

>> Referenced from Korea Seafarer's & Employment Center

Radio officer



The number of radio officers are dramatically decreasing.
The concept of radio officer has become obsolete.



WHY NECESSARY?

9/33



The Radio Officers' Association



Radio Officers' Association states that the rank of radio officer had passed into history as technological developments removed the need for high specialisation over time.

>> Referenced <http://www.radioofficers.com/>

>> Training Schools

North Eastern School of Wireless Telegraphy

Atlantic College, Dublin

Brunel Community, Bristol





WHY NECESSARY?

10/33

>> SOLAS Ch.IV RADIOCOMMUNICATIONS

Regulation 12 Watches

1. Every ship, while at sea, shall maintain **a continuous watch**
2. Every ship, while at sea, shall **maintain a radio watch** for broadcasts of maritime safety information **on the appropriate frequency or frequencies** on which such information is broadcast for **the area in which the ship is navigating.**
3. Until 1 February 1999 or until such other date as may be determined by the Maritime Safety Committee*, every ship while at sea shall maintain, when practicable, a continuous listening watch on **VHF channel 16. This watch shall be kept at the position from which the ship is normally navigated.**



WHY NECESSARY?

11/33

>> SOLAS Ch.IV RADIOCOMMUNICATIONS

SOLAS Chapter IV Regulation 17 Radio records

A record shall be kept, to the satisfaction of the Administration and as required by the Radio Regulations, of all incidents connected with the radio communication service which appear to be of importance to safety of life at sea.

After watch

Date	Voyage No.	From	To	Page	Date
2016-02-06	067	DIIBOUTI	JEDDH		
Time (UTC)	Station (From/To)	Equipment (Freq./Ch./Inmarsat)	Remark/Signature		
-0500	NO RCD	DISTRESS & URGENT MSG			
-0700	NO RCD	DISTRESS & URGENT MSG			
-1300	NO RCD	DISTRESS & URGENT MSG			
-1500	NO RCD	DISTRESS & URGENT MSG			
-2100	NO RCD	DISTRESS & URGENT MSG			

Equipment	Time (UTC)	Interval of Test and Inspection	Remark (Condition)
		<input checked="" type="checkbox"/> Daily <input type="checkbox"/> Weekly <input type="checkbox"/> Monthly	
VHF Radio Telephone			
MF/HF Equipment			
NAVTEX Receiver			
EGC Receiver (Inmarsat-C)	0900		
Two-way VHF Transceiver	0930		
Satellite EPIRB			
Radar Transponder (SART)			
Inmarsat Ship Earth Station			
Radio Battery		Current Voltage Gravity	Description
Charging	0900 - 0930	A 27.0 V	Auto-Charged
Discharging		A V	Equal-Charged
Rank	2/0		Master

* Radio personnel designated as having primary responsibility for radio communications during distress incidents BY the MASTER (Panamanian flag ship)

+ Deck Log Book



WHY NECESSARY?

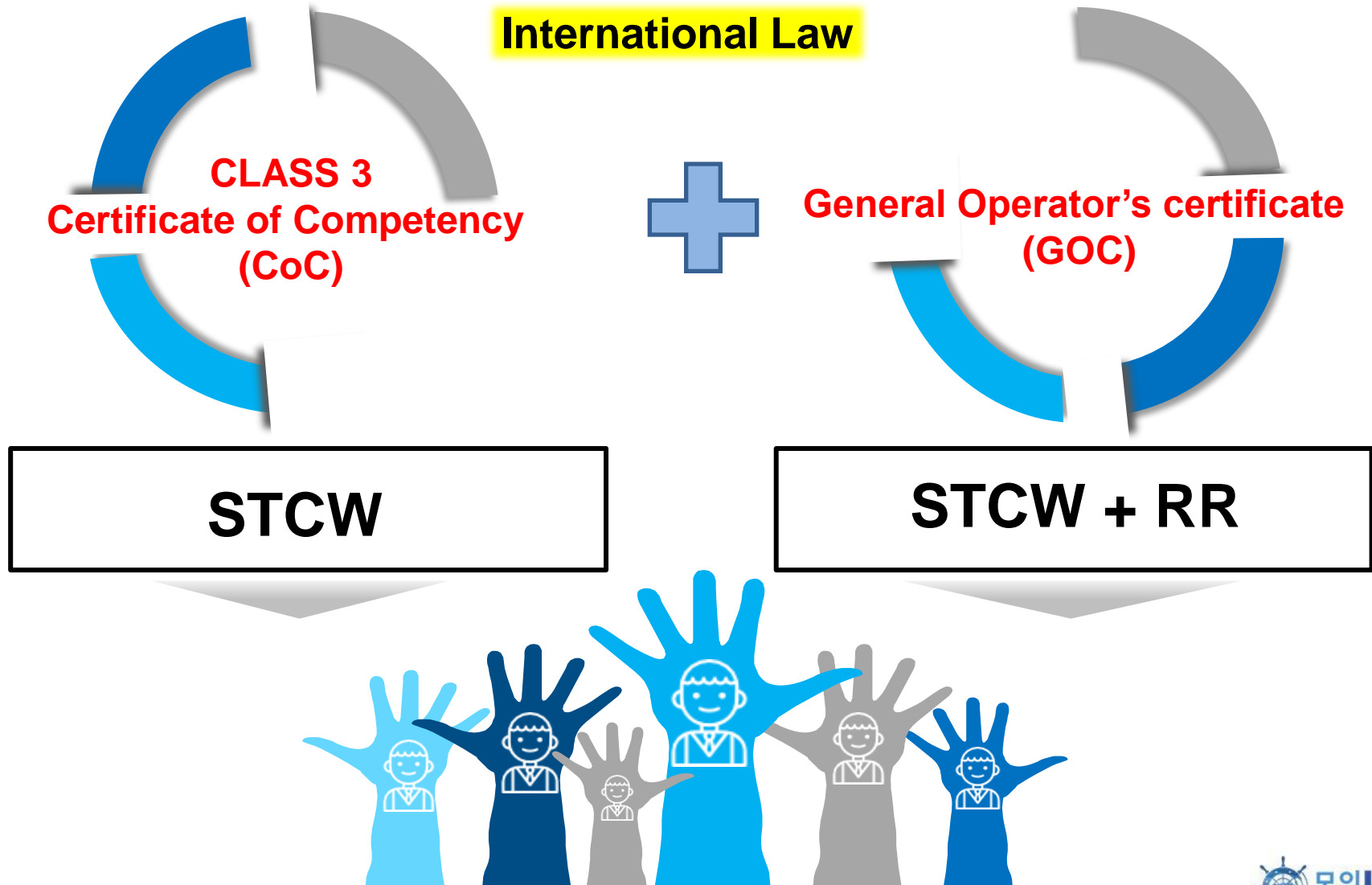
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GMDSS IN BRIDGE





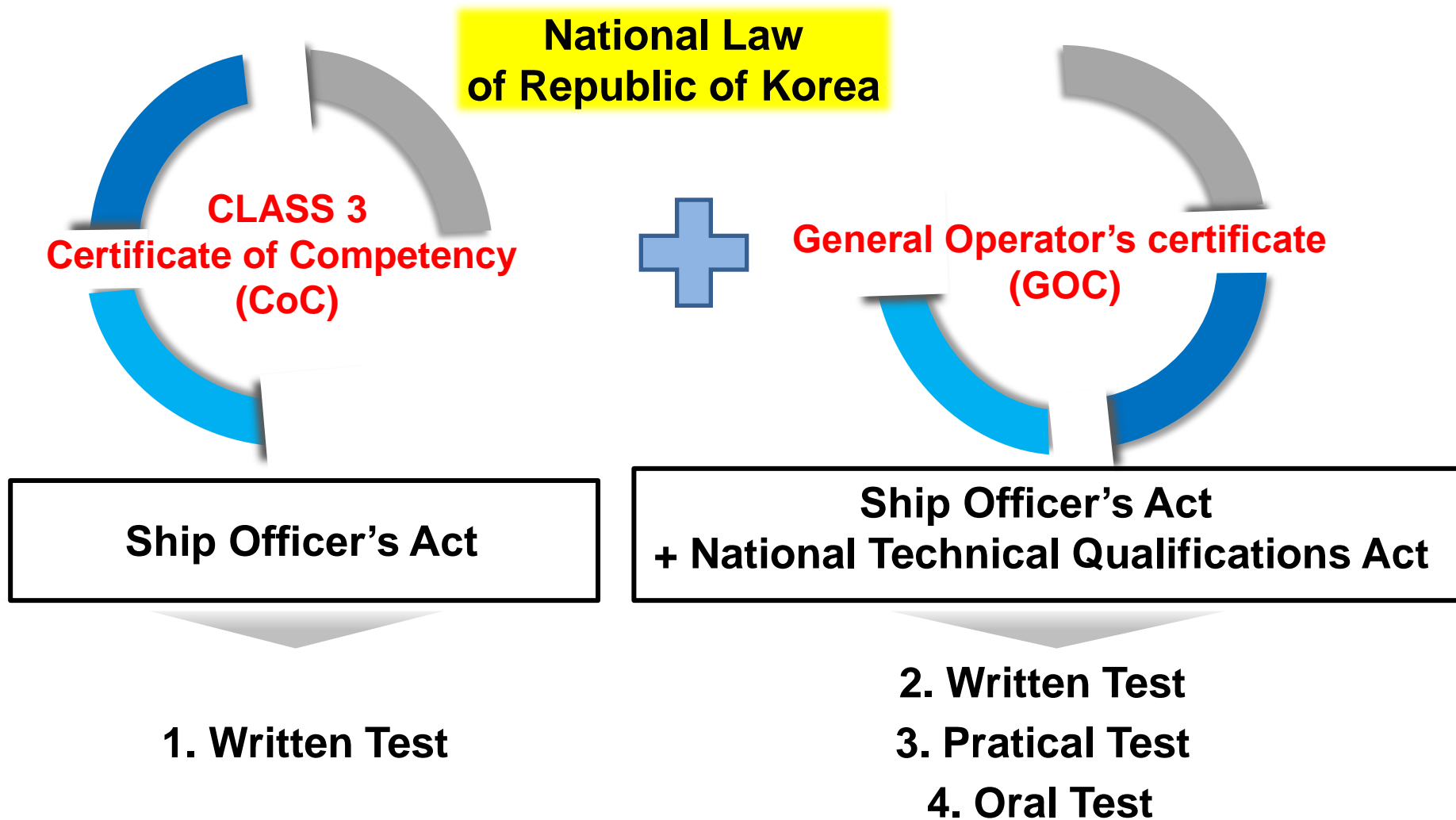
WHY NECESSARY?





WHY NECESSARY?

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WHY NECESSARY?

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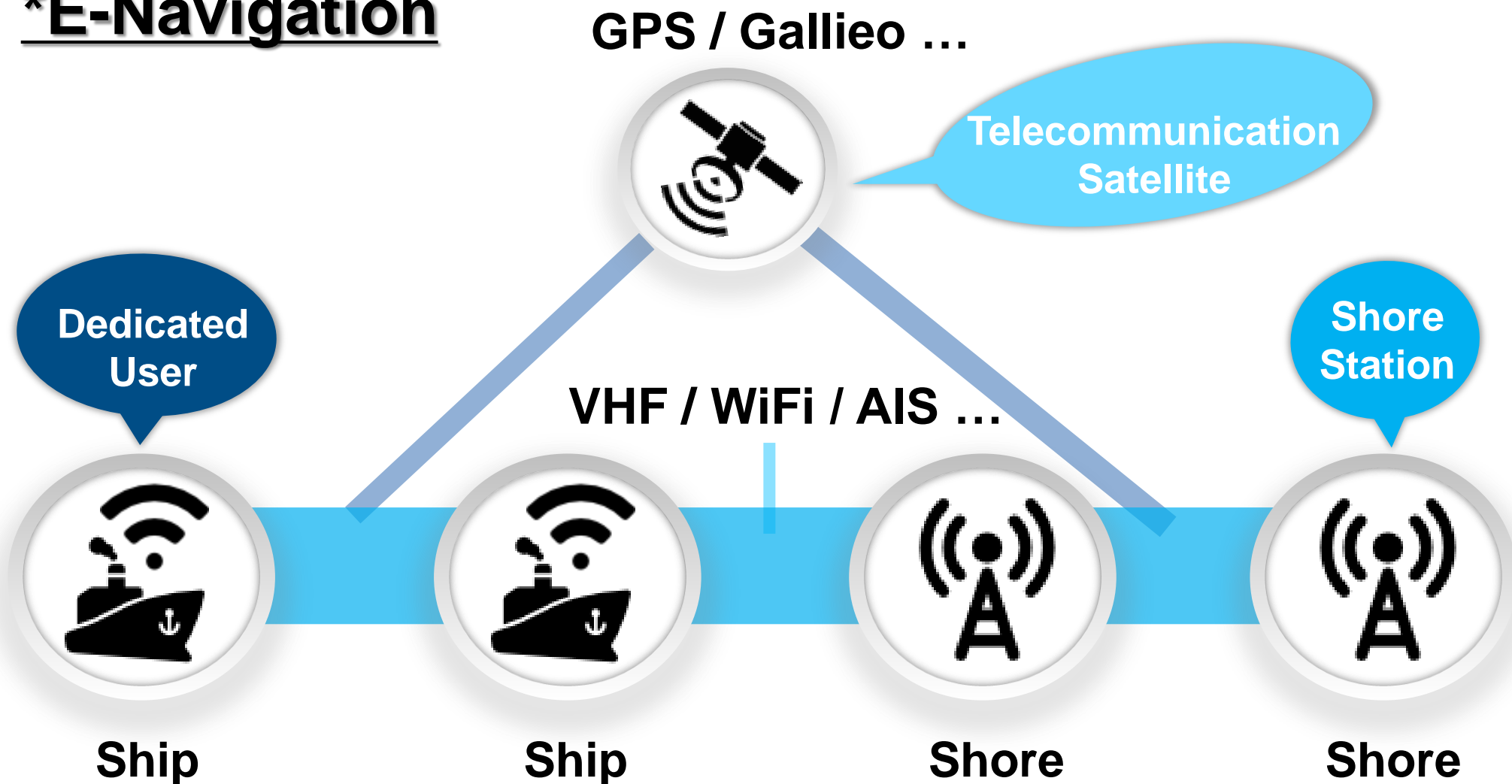
Time
Economic





WHY NECESSARY?

*E-Navigation





EXPECTED EFFECTS

17/33

1. An up-to-date regulation



DISCREPANCY





EXPECTED EFFECTS

2. Efficient certification system



Candidates



Time
Labour



Administrative
authorities



3. Contributes to ship safety

**Tendency to
DISREGARD**



No Feedback



EXPECTED EFFECTS

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3. by raising the responsibility and eradicating disregard towards safety distress signals



**Eradicate Tendency to
DISREGARD**



Check



Response



Feedback



STEP 1

➤ **STCW Convention Regulation**

STEP 2

➤ **STCW Convention Code A**

STEP 3

➤ **STCW Convention Code B**



STEP 1

➤ Annex of STCW Convention Chapter II

Regulation II/1

Mandatory minimum requirements for certification of officers in charge of a navigational watch on ships of **500 gross tonnage or more**

2. Every candidate for certification shall

~~.4 meet the applicable requirements of the regulations in Chapter IV, as appropriate, for performing designated radio duties in accordance with the Radio Regulations;~~

Regulation II/3

Mandatory minimum requirements for certification of officers in charge of a navigational watch and of masters on ships of **less than 500 gross tonnage**

Ships engaged on near-coastal voyages

4. Every candidate for certification as officer in charge of a navigational watch on a seagoing ship of less than 500 gross tonnage engaged on near-coastal voyages shall:

~~.3 meet the applicable requirements of the regulations in chapter IV, as appropriate, for performing designated radio duties in accordance with the Radio Regulations;~~



STEP 2

➤ Code A of STCW Convention Chapter II

Section A-II/1

Mandatory minimum requirements for certification of officers in charge of a navigational watch on ships of **500 gross tonnage or more**

Standard of competence

1. Every candidate for certification shall:

- ~~.2 at least hold the appropriate certificate for performing VHF radiocommunications in accordance with the requirements of the Radio Regulations; and~~
- ~~.3 if designated to have primary responsibility for radiocommunications during distress incidents, hold the appropriate certificate issued or recognized under the provisions of the Radio Regulations.~~



STEP 2

➤ Code A of STCW Convention Chapter II

Chapter IV, Section A-IV/2 Table A-IV/2

“Function : Radiocommunications at the operational level”



Chapter II, **Section A-II/1 Table A-II/1, Section A-II/2 Table A-II/2**

01 Making reference to :

Chapter IV, Section A-IV/2 Table A-IV/2

“Function : Radiocommunications at the operational level”

Column 2
Knowledge, understanding and proficiency
In addition to the requirements of the Radio Regulations, a knowledge of:
Note: This requirement may be reduced in the case of the Restricted Radio Operator's Certificate

**STEP 2****➤ Code A of STCW Convention Chapter II**

02 Making reference to :

Chapter II, **Section A-II/1 Table A-II/1**

“Function : Radiocommunications at the operational level”

Column 2
Knowledge, understanding and proficiency
.1 ~ .6
ADD

.7~.10

Requirements for Restricted
Operator's Certificate



STEP 2

➤ Code A of STCW Convention Chapter II

02 Making reference to :

Chapter II, **Section A-II/2 Table A-II/2**

“Function : Radiocommunications at the operational level”

Column 2
Knowledge, understanding and proficiency
.1 ~~ .6
ADD

.7~.10

**Requirements for General Operator's
Certificate**



STEP 2

➤ Code A of STCW Convention Chapter II

Section A-II/3

Mandatory minimum requirements for certification of officers in charge of a navigational watch and of masters on ships of **less than 500 gross tonnage, engaged on near-coastal voyages**

OFFICER IN CHARGE OF A NAVIGATIONAL WATCH

Standard of competence

1 Every candidate for certification shall

~~.2 at least hold the appropriate certificate for performing VHF radiocommunications in accordance with the requirements of the Radio Regulations; and~~
~~.3 if designated to have primary responsibility for radiocommunications during distress incidents, hold the appropriate certificate issued or recognized under the provisions of the Radio Regulations.~~



STEP 2

➤ Code A of STCW Convention Chapter II

Chapter IV, Section A-IV/2 Table A-IV/2

“Function : Radiocommunications at the operational level”



Chapter II, **Section A-II/3 Table A-II/3**

01 Making Reference to :

Chapter IV, Section A-IV/2 Table A-IV/2

“Function : Radiocommunications at the operational level”

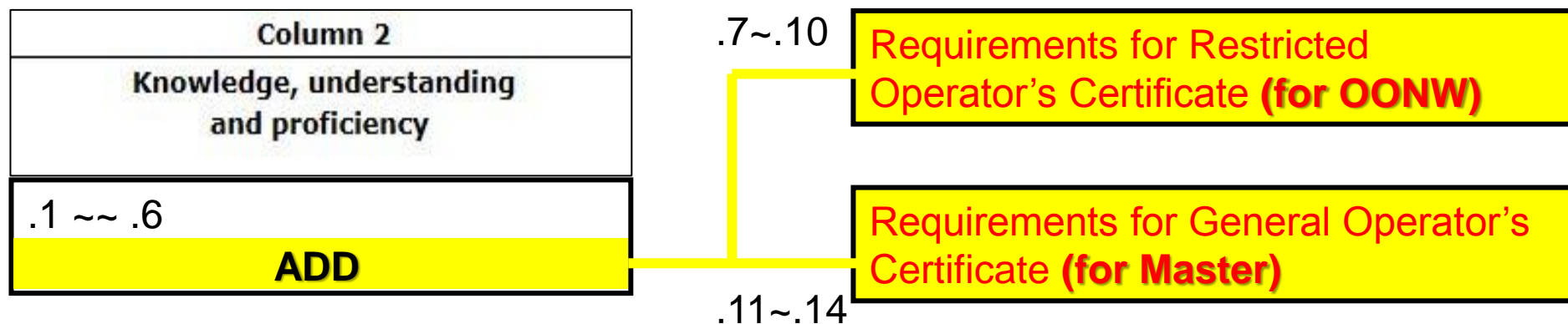
Column 2
Knowledge, understanding and proficiency
In addition to the requirements of the Radio Regulations, a knowledge of:
Note: This requirement may be reduced in the case of the Restricted Radio Operator's Certificate

**STEP 2****➤ Code A of STCW Convention Chapter II**

02 Making reference to :

Chapter II, **Section A-II/3 Table A-II/3**

“Function : Radiocommunications at the operational level”





➤ Code B of STCW Convention Chapter II

CHAPTER II

Guidance regarding the master and the deck department

Section B-II/1

Guidance regarding the certification of officers in charge of a navigational watch on ships of 500 gross tonnage or more

Shipboard programme of training

7. The training record book should contain, amongst other things, a number of training tasks or duties which should be undertaken as part of the approved programme of onboard training. Such tasks and duties should relate to at least the following areas;

ADD

.9 Radio operation



➤ Code B of STCW Convention Chapter II

CHAPTER II

Guidance regarding the master and the deck department

Section B-II/1

Guidance regarding the certification of **officers** in charge of a navigational watch on ship of 500 gross tonnage or more

ADD

Chapter IV, Section B-IV/2

TRAINING RELATED TO THE GENERAL OPERATOR'S CERTIFICATE

TRAINING RELATED TO THE RESTRICTED OPERATOR'S CERTIFICATE

Note : This guidance may be reduced in the case of the Restricted Radio Operator Certificate.



**Why should Radiocommunication
be included as a function of deck officers**



THANK YOU



ANCHOR SPIRIT 