



**Daniele Fantechi, Project  
Manager CERTIPILOT  
Consultation Meeting  
Malta – 20 July 2012**

*Welcome !!*



MALTA MARITIME PILOTS





# THE FIRST CHALLENGE WAS TO IDENTIFY THE OCCUPATIONAL STANDARDS/ COMPETENCES THAT ARE LINKED TO THE MARITIME PILOTS



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# How did we address the challenge?

ANALYSING AND STUDYING PREVIOUS EXPERIENCES LIKE ETCS EMPA  
2005

CONDUCTING AN INTERNAL QUESTIONNAIRE WITH THE PILOTAGE  
ORGANISATIONS OF THE PROJECT

VALIDATING EACH OCCUPATIONAL STANDARD WITH COMMON  
SHARING AND APPROVAL

SUBMITTING THE OUTCOME TO THE CONSULTATION THROUGH THIS  
SESSION AND THE ONLINE TOOL



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# CATEGORIES OF OCCUPATIONAL STANDARDS/ COMPETENCES FOR MARITIME PILOTS

**A. COMMON COMPETENCES FOR THE PILOTAGE  
PROFESSION**

**B. TECHNICAL COMPETENCES PARTICULARLY RELATED  
TO THE ENVIRONMENTAL PROTECTION AND RISK  
PREVENTION**



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# Aim of the Project

**TO DESIGN A REFERENCE FRAMEWORK FOR  
MARITIME PILOTS PARTICULARLY RELATED  
TO THOSE COMPETENCES THAT NEED TO BE  
STRENGTHENED TO IMPROVE  
ENVIRONMENTAL PROTECTION AND RISK  
PREVENTION IN PORT AND PASSAGE AREAS**



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## COMMON COMPETENCES

### MPMSEPCC 501

Able to establish and communicate clearly with the Ship's Captain, the Bridge Team, Technical Nautical Services, Authorities, Port Control.

This competence is about establishing and communicating clearly with the ship's Captain, the Bridge Team, Technical Nautical Services, Authorities, Port Control. It is about non verbal communication and good verbal communication using Common language and English language.



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## COMMON COMPETENCES

### MPMSEPCC 502

Reads, interprets and manages information being displayed on the bridge.

This competence is about to utilize (read, interpret and manage) information being displayed on the bridge.

Information obtained helps Pilots in decisions to be taken during passages and entering or leaving the port or designated area.



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## COMMON COMPETENCES

### MPMSEPCC 503

Able to recognize and manage the human factors during a pilotage act.

This competence is about self-controlling and the identification of personal situations that might have an effect on the pilotage act. It is the ability to understand the limits of one's personal conditions so as to avoid stress and to keep full control of the situation.



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## COMMON COMPETENCES

### MPMSEPCC 504

Able to advice the Captain to manoeuvre and handle the ship in normal conditions and circumstances

This competence is about advising the ships' Captain in manoeuvring and handling ships in standard conditions and circumstances. This involves the entering/leaving/ passage of the ship.



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## COMMON COMPETENCES

### MPMSEPCC 505

Able to use knowledge of relevant of maritime regulations

This competence is about using international, European, national and local maritime regulations applicable to the pilotage act. Such regulations include: maritime safety and security, safety navigation, prevention of pollution and protection of the environment.



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## Common Competences

**10 - MPMSEPC 506** Able to follow Health and Safety measures

This competence is about following Occupational H&S measures in every circumstance.



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## TECHNICAL COMPETENCES:

THESE COMPETENCES ARE THE CORE OF OUR CONSULTATION SESSION AND DETERMINE THE OCCUPATIONAL STANDARDS REQUIRED FOR THE FURTHER ENHANCEMENT OF ENVIRONMENTAL PROTECTION AND RISK PREVENTION IN PORTS AND PASSING AREAS.



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## TECHINICAL COMPETENCES

**MPMSEPTC 501** Able to give advice to the Captain to manoeuvre and handle the ship in emergency circumstances in his designated port/area

**MPMSEPTC 502** Able to give advice to the ship Captain in order to avoid and or minimise pollution in emergency circumstances in his designated port/area

**MPMSEPTC 503** Able to participate in rescue procedures in emergency circumstances in his designated port/area



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**MPMSEPTC 501** Able to give advice to the Captain to manoeuvre and handle the ship in emergency circumstances in his designated port/area

This competence is about the ability of pilots to give advice to the Captain to manoeuvre and handle the ship in emergency circumstances.

By Emergencies it is understood incidents occurring through external or internal factors which may cause injury or loss of human life, cause pollution, and/or damage to property.



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## *KNOWLEDGE RELATED*

- How to notify the relevant Authorities and call for the required assistance.
- What needs to be communicated to the parties involved in the dealing with emergency (Captain, Bridge team, Authorities, etc.).
- How to anticipate the effects of that emergency



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## *RELATED KNOWLEDGE*

- How to interpret the information displayed on the bridge navigational aids or given by the crew
- How different types of emergencies are handled
- How weather conditions can effect that situation that may lead to an emergency



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## RELATED SKILLS

- Maintain good communication with the Captain, Authorities and all the parties involved in the dealing with emergency
- To use and relay the information displayed on the bridge navigational aids or given by the crew.



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## RELATED SKILLS

- Coordinate with the Captain and the Authorities on the most appropriate actions to be taken in that emergency
- To support the Captain in different types of emergencies
- Interpret the effects of weather conditions in the light of that situation of possible emergency



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## PERFORMANCE CRITERIA

*(Assess to which extent pilot)*

- Maintains good communication with the Captain, Authorities and all the parties involved in the dealing with the emergency
- Uses and relay the information displayed on the bridge navigational aids or given by the crew



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## PERFORMANCE CRITERIA

*(Assess to which extent pilot)*

- Coordinates with the Captain and the Authorities on the most appropriate actions to be taken in that emergency
- Supports the Captain in different types of emergencies
- Takes into consideration the effects of weather conditions on that critical situation



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## MPMSEPTC 502

Able to give advice to the ship Captain in order to avoid and or minimise pollution in emergency circumstances in his designated port/area

This competence is about to avoid, prevent and minimize pollution.



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## *RELATED KNOWLEDGE*

- Local emergency plans concerning anti-pollution
- The properties of dangerous cargoes
- The effect of dangerous cargo spillage in the environment



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## *RELATED KNOWLEDGE*

- The effect of ship fuel/oil tanks spillage in the environment
- How the spillage of other dangerous substances carried on board affect the environment



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## RELATED SKILLS

- Recognize and prevent situation of possible pollution
- Apply local emergency plans to prevent or contain pollution



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## PERFORMANCE CRITERIA

*(Assess to which extent pilot)* **Knows and applies local emergency plans to prevent or contain pollution**



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## **MPMSEPTC 503**

Able to participate in rescue procedures in emergency circumstances in his designated port/area

Assisting in the SAR (Search And Rescue) in accordance with international, national and local guidelines and standard procedures.



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## *RELATED KNOWLEDGE*

- Knowledge of international, national and local SAR (Search And Rescue) procedures
- Knowledge of emergency response plans
- Knowledge of Personal Survival Techniques



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## RELATED SKILLS

- Apply international, national and local procedures in the SAR (Search And Rescue)
- Utilize procedures to recover rescued persons
- Recognize and prevent risk/dangerous situations.



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## PERFORMANCE CRITERIA

*(Assess to which extent pilot is)* Assisting in the SAR (Search And Rescue) in accordance with international, national and local guidelines and standard procedures.



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*Thank you ... .. !!*

**you may follow our project on:**  
*www.certipilot.eu*



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