







#### Maritime Health Trainings for Sectors and Doctors

### **«**Evacuation of casualty from enclosed space- and treatment after evacuation then transfer to outside of ship **»**

ERASMUS+ KA2 - Cooperation for Innovation and the Exchange of Good Practices KA202 - Strategic Partnerships for vocational education and training





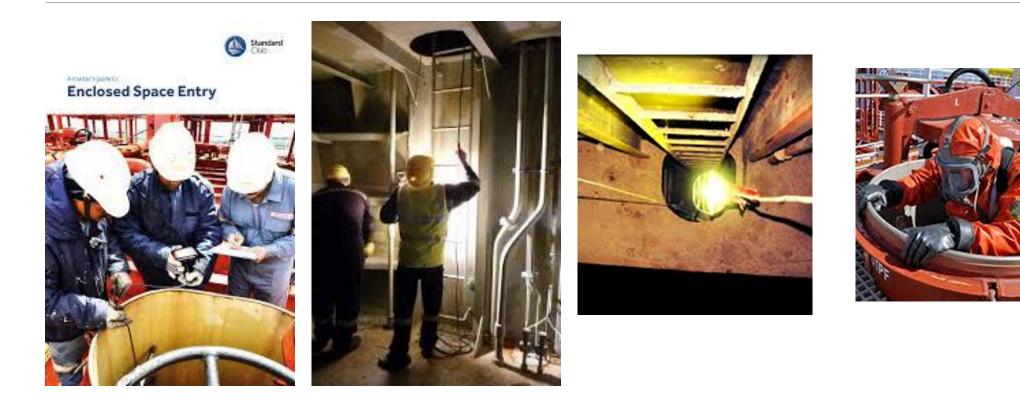


REPUBLIC OF TURKEY MINISTRY OF HEALTH GENERAL DIRECTORATE OF HEALTH FOR BORDER AND COASTAL AREAS OF TURKEY





### **Enclosed Spaces**





# Inert \* Pres \* Accu levels \* Oxyg

# Enclosed space atmospheres

Enclosed space atmospheres can be hazardous due to one or a combination of the following conditions: \*Oxygen deficiency;

\*Inert gas including nitrogen;

\* Presence of toxic and/or flammable gases;
\*Accumulation of toxic and or heavy gases at lower levels within the space; and/or

\*Oxygen enrichment.

### Rescue precautions and procedures.

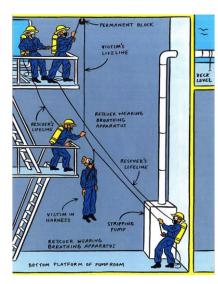




#### Rescue precautions and procedures (continue)



## Rescue from Cargo Tanks and Other Enclosed Spaces





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TUZLA, 01.04.2017

## Rescue and recovery equipment

The following equipment is recommended to ensure a successful rescue from an enclosed space:

Hoist

Stretcher

Breathing apparatus

Resuscitation equipment

Communication equipment

Personal Protective Equipment (PPE)

Atmosphere testing equipment;

Extra lighting including portable lighting

Additional ventilation capacity





## EVACUATION FROM THE SHIP

The use of Inmarsat or Digital Selective Calling (DSC) to establish contact with a rescue co-ordination centre 19 would have been an appropriate precaution to have taken.

This might have resulted in evacuation from the vessel being arranged sooner.



### References

1. <u>https://www.ics-shipping.org/docs/default-source/resources/document-b---guidance-on-enclosed-space-entry-and-rescue-(based-on-ics-tanker-safety-guide---chemicals)28F7B3075079.pdf</u>

2. <u>https://safety4sea.com/cm-emergency-procedures-rescue-from-enclosed-space/</u>

3. <u>https://www.marineinsight.com/marine-safety/procedure-for-entering-an-enclosed-space-on-a-ship/</u>

4. <u>https://www.marineinsight.com/marine-safety/understanding-emergency-escape-breathing-device-eebd-before-buying-one/</u>

- 5. <u>https://www.navcen.uscg.gov/?pageName=AboutDSC</u>
- 6. https://www.inmarsat.com/maritime/