



Maritime Health Trainings for Seafarers 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



AP&A
GROUP

Enclosed Spaces





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



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. [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](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)
2. <https://safety4sea.com/cm-emergency-procedures-rescue-from-enclosed-space/>
3. <https://www.marineinsight.com/marine-safety/procedure-for-entering-an-enclosed-space-on-a-ship/>
4. <https://www.marineinsight.com/marine-safety/understanding-emergency-escape-breathing-device-eebd-before-buying-one/>
5. <https://www.navcen.uscg.gov/?pageName=AboutDSC>
6. <https://www.inmarsat.com/maritime/>