

EXERCISE

Enclosed Space Near Miss

The Incident - What Happened?

On a managed bulk carrier, a serious near miss could have resulted in a loss of one life. The vessel was in port and had multiple jobs planned:

- Cargo Operations
- Flag State Audit
- Class Survey
- Shore contractors attending to carry out gauging

Ballast tanks had been ventilated over the previous day in preparation. Before arrival, the manhole lids were replaced and secured by two nuts, hand tight.

The contractors arrived but were not escorted or supervised around the ship. They were told to wait for instructions, in between cargo hold 8 and 9, just in front of the Accommodation.

While the contractors waited, officers were in an opening meeting with the Flag Auditor. After that the Flag Auditor, C/O and Bosun went on deck for inspection. The inspection reached near Water-Ballast-Tank 1 on the starboard side when the party noticed the manhole cover partially covering the manhole. The Bosun began to replace the manhole lid, but was stopped by the Auditor, who wanted to know if anyone was inside. They called out loudly from outside, however there were no answers.

The Contractor leader who remained on deck was summoned and asked to contact his colleague, which he did via his mobile telephone. The other contractor answered that he was in the tank.

Potential Consequences:

❖ Death of the Contractor

❖ Prosecution of ship Crew and Company

Name :

Surname :

Rank :

Table Top Exercise

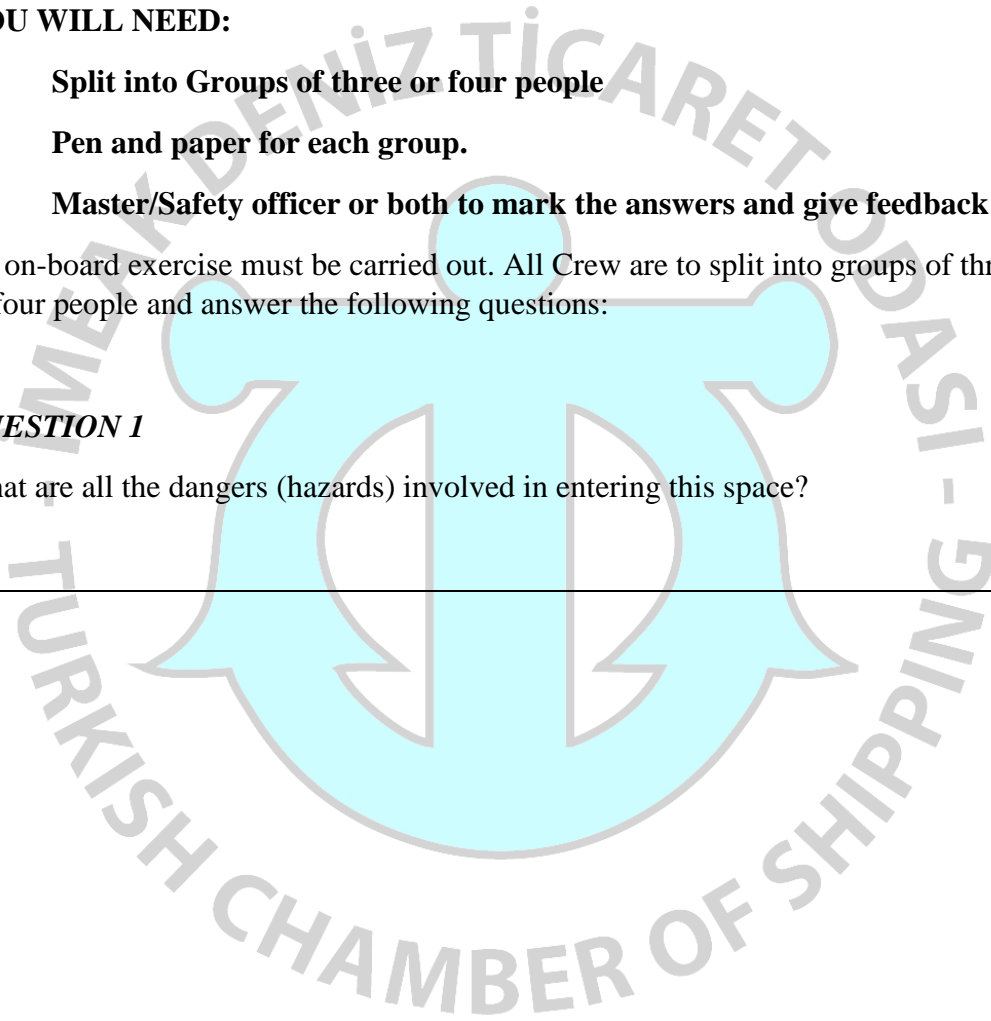
YOU WILL NEED:

- > **Split into Groups of three or four people**
- > **Pen and paper for each group.**
- > **Master/Safety officer or both to mark the answers and give feedback**

An on-board exercise must be carried out. All Crew are to split into groups of three or four people and answer the following questions:

QUESTION 1

What are all the dangers (hazards) involved in entering this space?



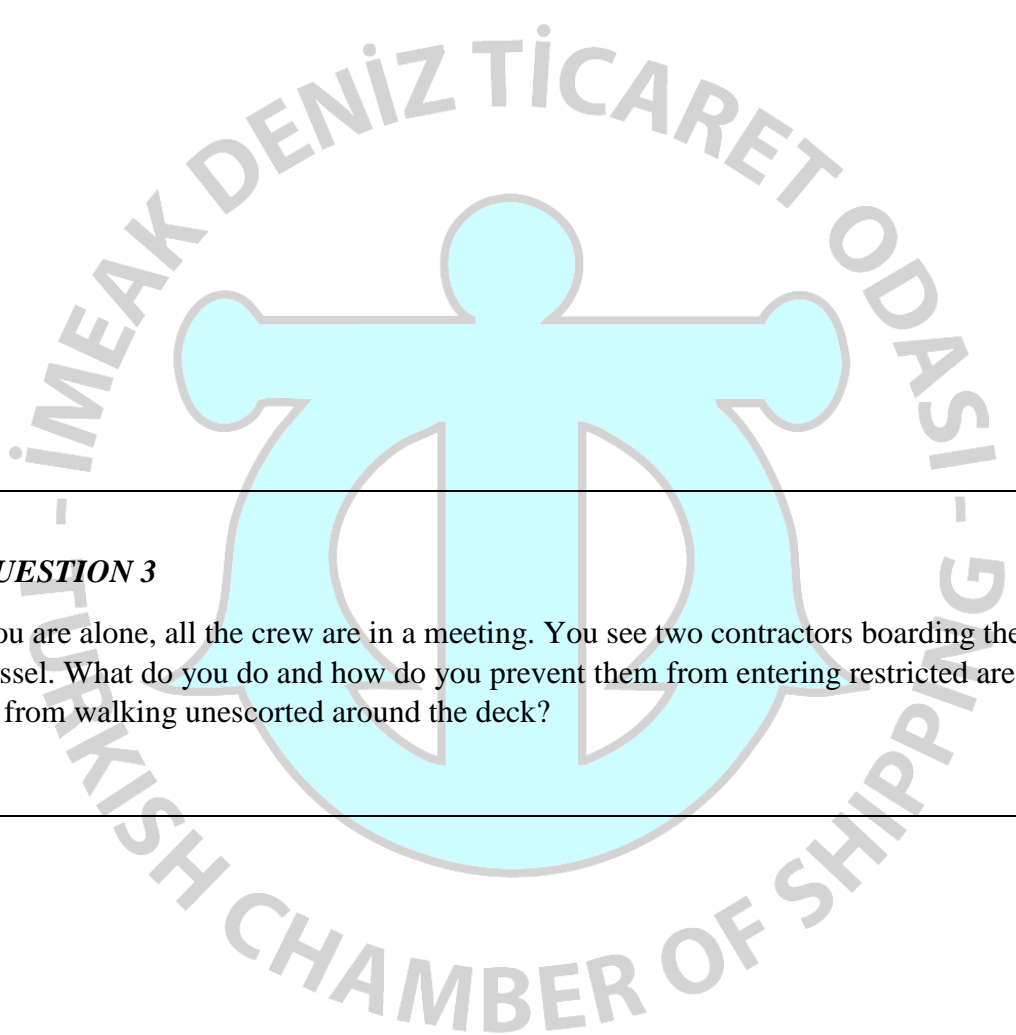
QUESTION 2

How would you prepare for an enclosed space entry involving shore contractors entering a tank?



QUESTION 3

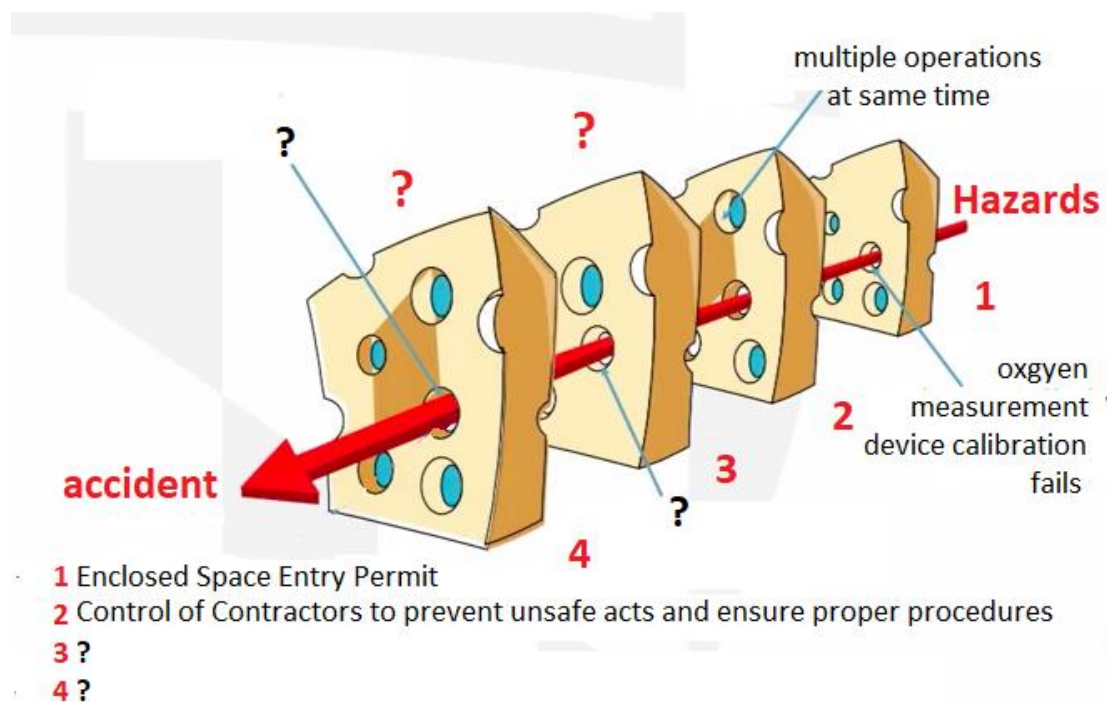
You are alone, all the crew are in a meeting. You see two contractors boarding the vessel. What do you do and how do you prevent them from entering restricted areas or from walking unescorted around the deck?



QUESTION 4

BARRIERS AND FAILS

Below is an actual causation model to help you understand how accidents are prevented. Can you identify all the safety barriers (cheese slice) and fails (cheese holes) that must be in place to prevent an accident/incident?



Barriers:

Fails on barriers: