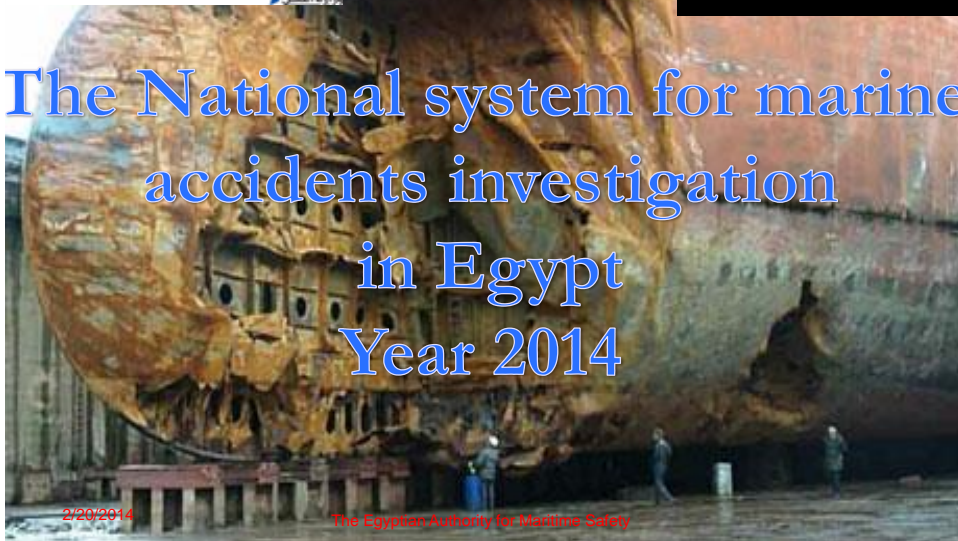




The National system for marine accidents investigation in Egypt Year 2014



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The Egyptian Authority for Maritime Safety

Prepared and presented
by:
Engineer Ahmed Elwaseif

- MARINE ENGINEER AND NAVAL ARCHITECTURE ,SUEZ CANAL UNIVERSITY ,FACULTY OF ENGINEERING.
- PORT STATE CONTROL OFFICER AT EGYPTIAN AUTHORITY FOR MARITIME SAFETY.
- MEMBER IN EGYPTIAN ENGINEERS SYNDICATE.

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➤ Introduction:

- Egypt -officially the Arab Republic of Egypt- is thus a transcontinental country, and a major power in Africa, Egypt is bordered by the Mediterranean Sea to the north, The Red Sea to the east pulse this strategic geographical location Egypt has got The Suez Canal, connecting the Mediterranean and the Red Sea. Opened in November 1869 after 10 years of construction work, it allows water transportation between Europe and Asia without navigation around Africa. The northern terminus is Port Said and the southern terminus is Port Tewfik at the city of Suez. Ismailia lies on its west bank, 3 km (1.9 mi) north of the half-way point. Egypt has been a member state at IMO since 1957

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■ **Number of Egyptian Fleet vessels 171 vessels including:**

1. Merchant fleet vessels with deadweight > 500 ton 95 vessels (Operating vessels: 54 vessels).
2. Service vessels with deadweight > 500 tons: 53 vessels.
3. Coastal oil tankers > 500 tons: 16 vessels.
4. Other vessels with deadweight < 500 tons: 11 vessels.

■ **Maritime Units:**

1. Number of maritime units: 19000 units.
2. Including 3200 fishing units.

■ **Service Vessels (approved to operate in Egypt) 237 vessels including:**

1. Egyptian: 103 vessels.
2. Foreign: 134 vessels.

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definition of maritime incident

- The incident is caused by the operation of the ship , which displays or displays any person at risk , or result in serious damage to the ship or structure or to the environment and leads to :
 - death or serious injury.
 - lose people from the ship .
 - lost the ship
 - damage to the vessel
 - damage to the environment.

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➤ causes of maritime accidents

- Collision
- grounding
- contact
- bad weather
- fire
- explosion
- sinking
- ice



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➤ causes of maritime accidents

- There are several causes of maritime accidents to cause up to 58 , and contributes to human error about the nationality of 69% in these incidents, notes the occurrence of collisions and grounding among 12 o'clock (midnight) and 6:00 am .



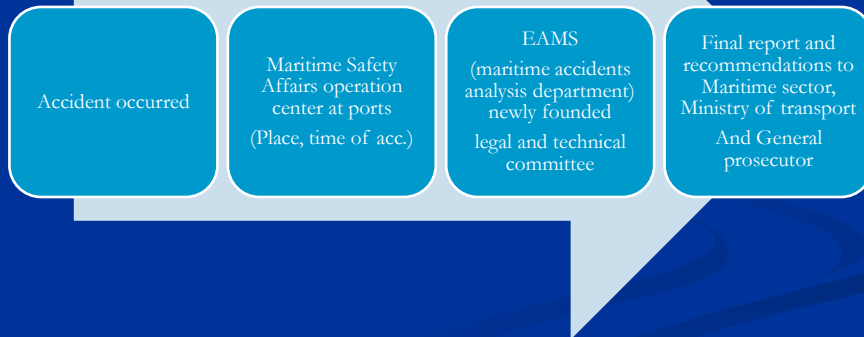
■ Egyptian Accident Investigation Board

- Responsible for accident investigation in Egypt represented in The Egyptian Authority for Maritime Safety
- Investigation Division is applying the Egyptian Maritime Law No.8 for year 1990.
- International Maritime Organization issued a decision (20) 849 concerning :
"Code for investigation of Marine Casualties and incidents" and a decision by the General Assembly of the Organization No. (21) A.884 on November 25, 1999 amendments to this code .

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Accident sequence



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- This is also the formation of a committee of the General Administration for the analysis of marine accidents, which is a thorough analysis of the incident and look at the causes of the accident and then writes a technical report reasons for the incident and the factors that led to its occurrence and is also writing recommendations for dissemination to the ship owners and corporate operators and ports, and a search and rescue to avoid a repeat incident

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➤ types of investigation :

- • Administrative : done by civilian or military bodies , according to what is stipulated in the law (EAMS).
- Criminal : The aim of the investigation is not the punishment of a mistake as far as to prevent similar incidents in the future.
- right of the flag State to exercise sovereignty over its ships to conduct an investigation into incidents involving ships flying their flag in accordance with the Resolution No. 21 of the first chapter to supplement SOLAS 74 and Article 12 of the MARPOL 73/78, and Article 23 of the Convention on Load Lines of 66 , and Article 2 of the Convention on the Law of the Sea in 1982.
- It is the right of coastal States to exercise its sovereignty over the other is a territory to achieve any incident occurring in its territorial waters in accordance with Article II of the Convention on Law of the Sea .

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➤ investigative steps :

- Collect data on the incident.
- determine the facts of the accident sequence .
- Identify unsafe actions , decisions , unsafe conditions, then every action or decision is sound.
- identify the type of error .
- identify the factors unrealistic .
- Identify potential safety problems , and the evolution of safety work for the ship .

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➤ Types of evidence

- Personal information (visible , audible , tangible)
- evidence based on documents (e.g. : ship's chart, log book, bell books, standing orders)
- evidence based on data recorded automatically.
(Example : Recorder Radar, Computers, engine movement)
- other sources cameras video .

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➤ types of human error :

- stress factor .
- negligence in the maintenance of the ship.
- Do not outfitting when designed with the necessary equipment to cope with the environment (wind , water currents , ice) .
- lack of familiarity with using the technology.

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➤ conclusion

Egyptian Authority for Maritime Safety received signal of a maritime accident are immediately form a committee technical legal move quickly to the scene and conduct investigations , and the General Administration for the analysis of marine accidents, which is a thorough analysis of the incident to avoid a repeat incident

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Thank you

Engineer Ahmed Elwasel

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