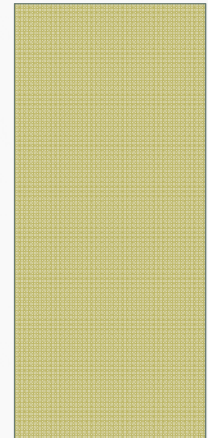


ACCIDENT ANALYSIS OF THE COSTA CONCORDIA

BY: CIMOYA COLLINS



FACTS ABOUT COSTA CONCORDIA

- Ship weighs more than 100 tons
- Measures 951ft. In length
- Maximum Speed is 23mph
- About 4,200 people were on the ship
- First trip July 14, 2006
- Estimated Cost of Ship \$350 million

FACTS ABOUT COSTA CONCORDIA

- 17 Decks
- Larger than Titanic
- Largest ship ever for Carnival

COSTA CONCORDIA

- Original Port: Genoa, Italy
- Simulation Video
- <http://youtu.be/-GCUpkrU67s>



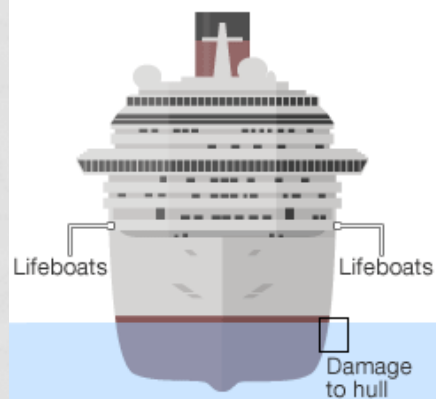
COSTA CONCORDIA

- There was an automatic tracking system that had been set to upcoming route before leaving the initial port



COSTA CONCORDIA

1. Ship hits rock



2. Ship tilts

Water starts to flood in through damaged hull



3. Ship tilts to opposite side

Rush of water possibly causes boat to lean to starboard side



4. Ship lists and sinks

Rescuers search for survivors



Source: Lloyd's List

WHAT TECHNOLOGY WAS USED?

- Normal ships of this caliber carry both paper and electronic charts which are equipped with radar overlays.
- Both the radar and ECDIS(chart plotter system) have alarm systems that can tell you what to watch out for
- The systems don't do anything active, it only provides information
- Humans must take that information and make a decision
- Most captains do not rely on radar and simple use their eyes

THE CAPTAIN?

- Captain Schettino stated that the rock he hit was not on his map for routing
- Italian Coast Guard showed evidence that the rock is very well charted
- The reason he fled the ship is because he accidentally fell into a safety boat

IS THIS HUMAN ERROR OR COMPUTER ERROR?

- According to the reports and investigation this was considered a human error due to the fact the captain made a maneuver with the ship that was not authorized.
- Following contact, the ship suffered a blackout. Emergency electrical power would be expected to have kicked in. Propulsion and steering were lost or minimized, thereby adversely affecting an initial attempt to bring the ship closer to the port beyond the rock for assistance

THE AFTERMATH?

- 23 are dead
- 14 still unaccounted for
- The vessel is still in the water
- Major hazard if the fuel leaks from the vessel
- A reported 123 million lost thus far

CURRENT STATUS OF THE VESSEL

- http://youtu.be/BJ82_EzXYj8



COSTA CONCORDIA

- It is still under investigation and we will not know for some time all the facts.
- As of now its being ruled as human error

QUESTION OR COMMENTS

