



Cruise Ships: Examining Safety, Operations and Oversight

NTSB Forum

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THE COMPONENTS OF RESPONSE

- ❑ Shipboard
- ❑ Emergency Response Center
- ❑ Management Unit
- ❑ Media Response Team
- ❑ Shore Side Planning
- ❑ Passenger & Crew Unit
- ❑ CARE Teams



EMERGENCY RESPONSE CENTER



- ❑ Purpose Built
- ❑ Available 24/7
- ❑ 12 Person Response Team
- ❑ Dedicated mission to support the ship
- ❑ Focused on the safety of those onboard and the impact on the environment.
- ❑ Critical part of an overall response

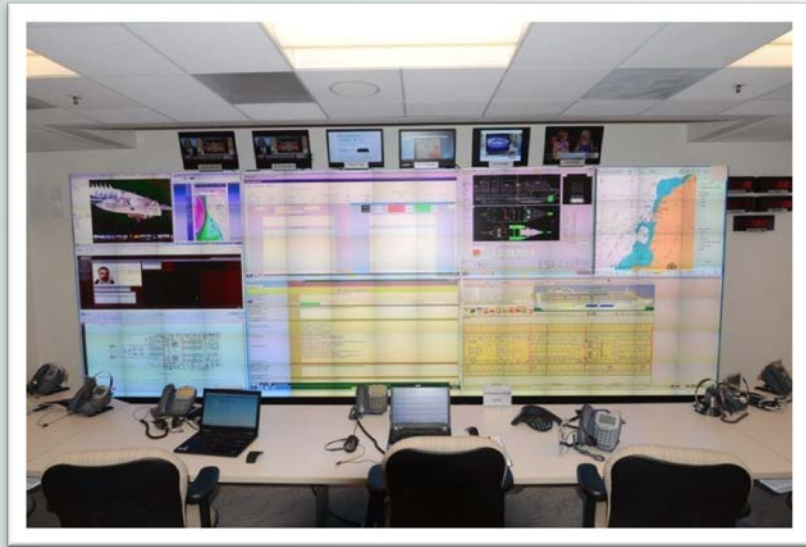
EMERGENCY RESPONSE CENTER

ERC Team

- Team Leader
- Communicator
- Marine Rep
- Technical Rep
- Medical Rep
- Environmental Rep
- Crew and Passenger Rep
- Media Rep
- Recorder
- Coordinators x2
- Naval Architect
- Specialist



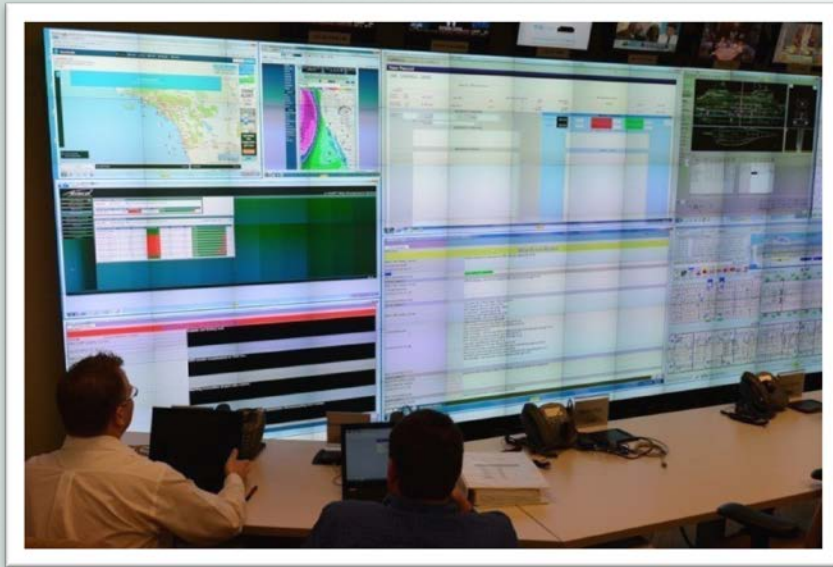
EMERGENCY RESPONSE CENTER



Information Display

- TV Screens
- Video Wall
 - Normally 10–12 inputs displayed
 - Very flexible with ability to move and resize objects and have prepared incident/responder templates

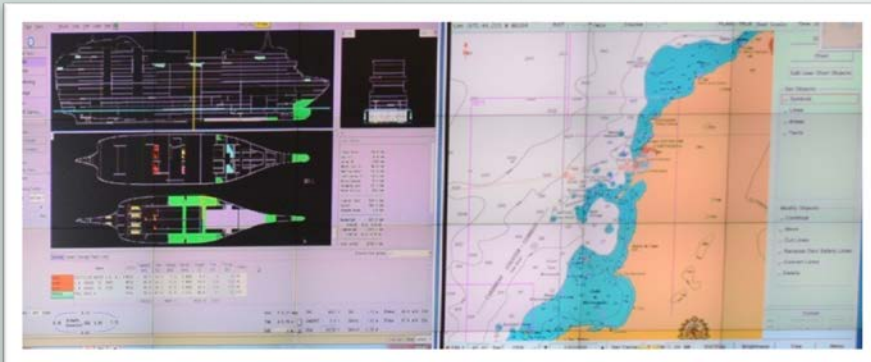
EMERGENCY RESPONSE CENTER



WebEOC

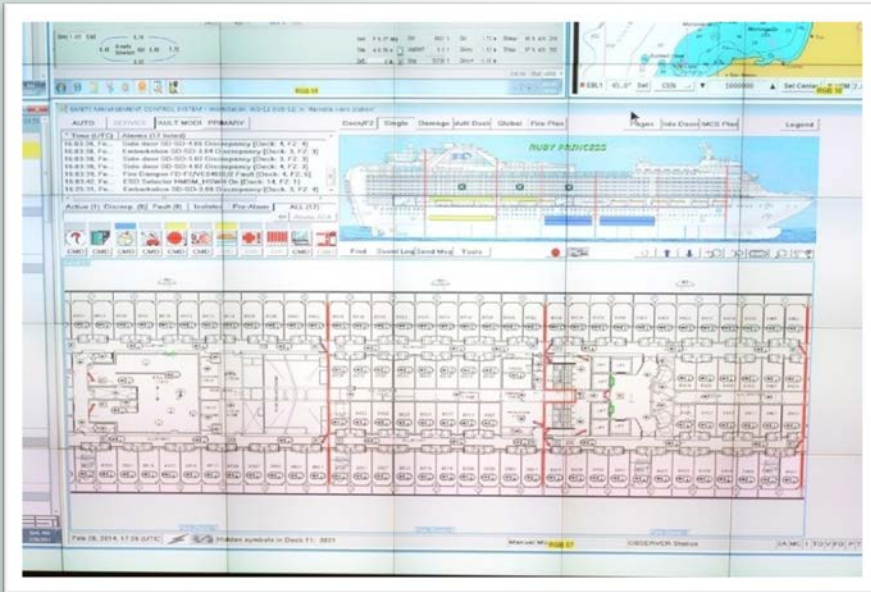
- Virtual Command Center
- Links all components of the response

EMERGENCY RESPONSE CENTER



Other common displays

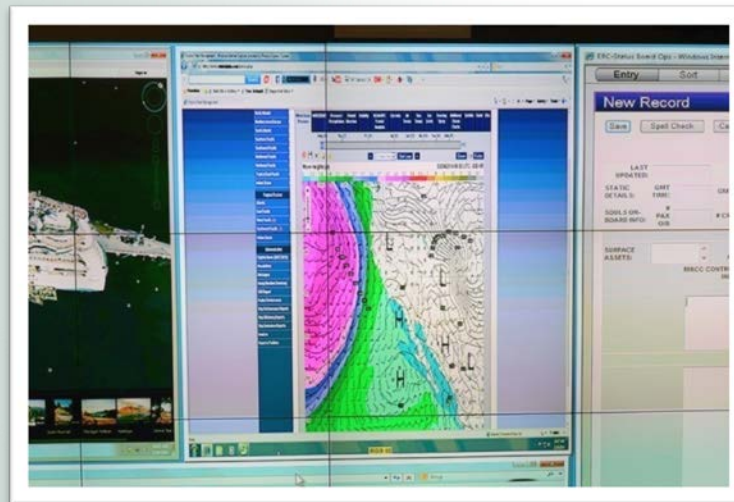
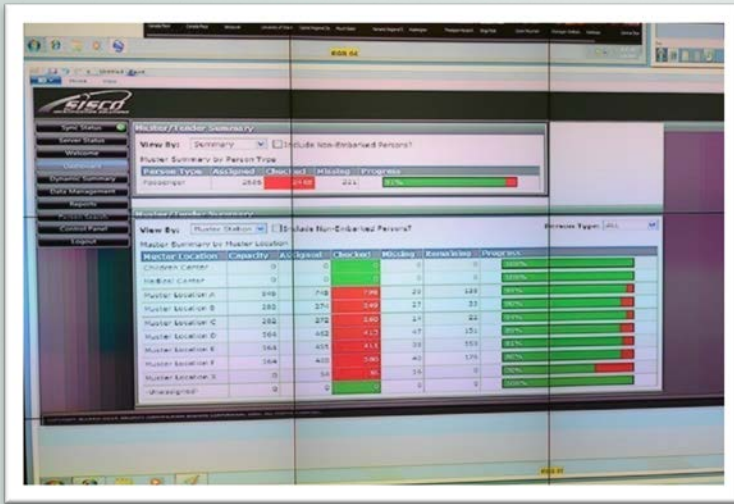
- Navigational Charts
- Ship's Stability
- Ship's Safety Management and Control System



EMERGENCY RESPONSE CENTER

Other common displays

- Passenger Mustering
- Weather
- Ship's Plans



ELECTRONIC MUSTERING



- ❑ Passenger and Crew
- ❑ Rapid and accurate accountability
- ❑ Tracking of evacuation in ERC

EMERGENCY RESPONSE CENTER



Drills

- Major Drills
- Ongoing training

EMERGENCY RESPONSE CENTER

Back up

- Power
- Electronic System Failure
 - Maintained manual systems

EMERGENCY STATUS BOARD				
Ship				
Time of Incident	GMT		Ship Time	
	Date		Date	
Description of Incident				
Damage Report				
Environmental Impact				
Position				
Weather Conditions	Wind			
	Sea State			
Numbers Onboard	Pax	Crew		
Status of Those Onboard		Pax	Crew	Others
	Safe			
	Missing			
	Uninjured			
	Minor Injury			
	Major Injury			
Dead				
Responding Assets	Name/ETA on Scene			
Other Vessels				
Tugs				
Coast Guard				
Helicopters/Aircraft				
MRCC Controlling Incident				
ERO Units Activated				
Unit	Time/Date	Unit	Time/Date	
Management		Medical		
Media		Passenger		
Marine		Crew		
Technical		Environment		

PASSENGER UNIT/CREW UNIT

- Hub of Customer Response Activity
- Many department representatives:
 - Customer Relations
 - Finance/Accounting
 - Away/Logistics
 - Air
 - IT
 - Hotel Operations (shore and ship)
 - Call Center



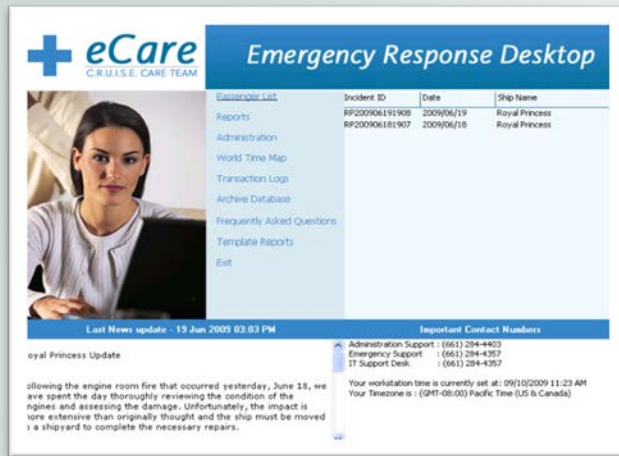
CARE TEAM



- Sent to incident site, in-person representation who fly at a moment's notice
- Human Services Response
- Care Teams
 - 420 members trained in the US
 - Members in the UK
 - Members in Australia
 - Will soon train Asia office employees
- Any employee can volunteer to train and join our Care Team

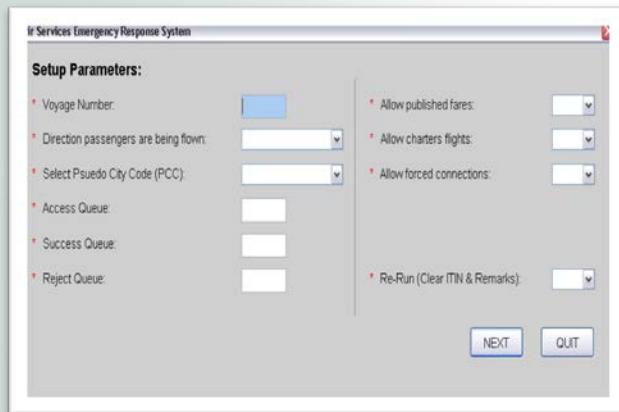
TOOLS

eCare



- Used successfully in numerous events
- Web enabled IBM application
- Used by the Logistics and Care Team to communicate hotel and flight schedules
- Whereabouts tracking (hotels, hospitals, etc.)
- Integrates with the disembarkation application onboard

Air Booking Tool



- Used in large and small scale incidents
- Agile to quickly re-book air for all passengers



STAYING PREPARED

- 24/7 Emergency Response Center
- Weekly shipboard drills
- Two extensive company-wide drills per year
- CARE Team Readiness
- Recurrent training
- Cross brand collaboration

