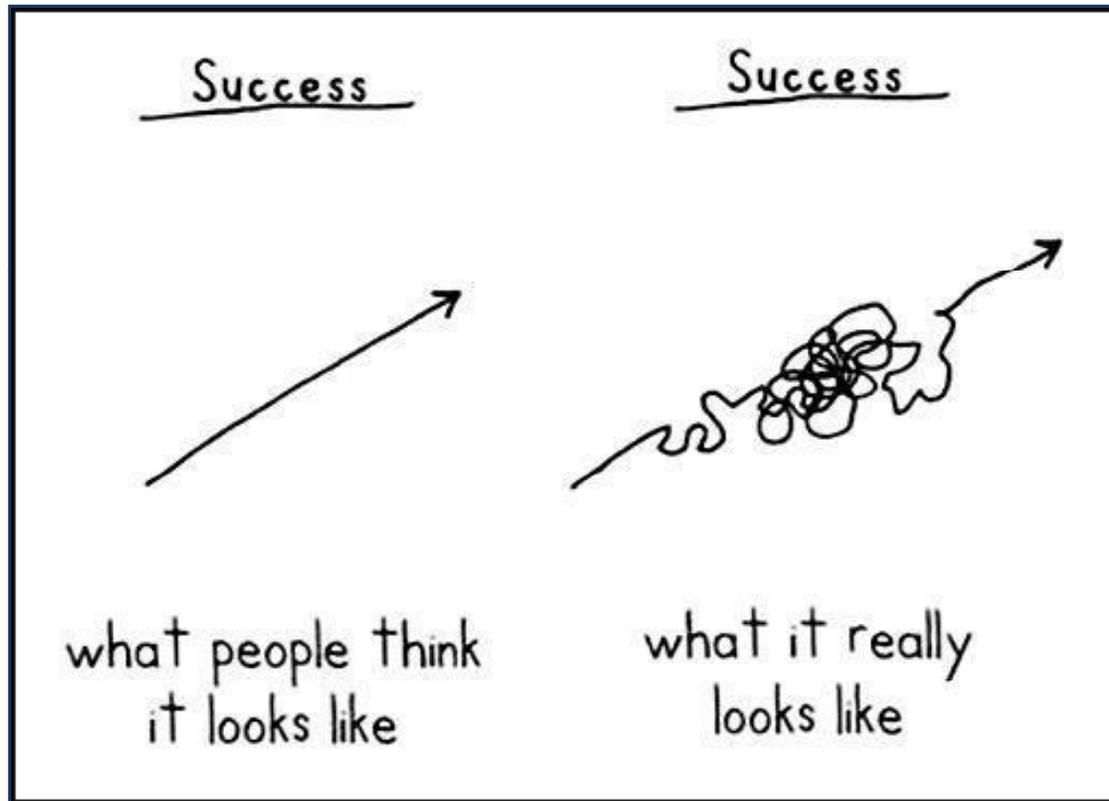


# ***CRYSTAL SERENITY PLANNING***



## ***MODULE III***

# **CRYSTAL SERENITY**

## ***Planning***

- At this early stage (10+ hrs), how will success be defined for this incident?
- What will be the desired end state of this incident?



# ***CRYSTAL SERENITY***

## ***Planning***

### Possible Best Response Elements

- Achieved When:
  - No additional injuries, deaths or illnesses.
  - Accurate, timely information shared.
  - Leadership responsibility is clear.
  - Response Mgt System employed. And understood.
  - Response Objectives est., Communicated, Acted-On.
  - Sufficient resources brought to bear.
  - Positive media coverage.
  - Positive outreach to stakeholders.
  - Positive public perception.
  - Economic impact minimized.



# ***CRYSTAL SERENITY***

## ***Planning***

What response contingency plans do you have that provide guidance for this level of incident?

What are our joint response priorities and response objectives? List



# CRYSTAL SERENITY OPERATIONS

From your list of available response resources:

- Who will serve as the On Scene Coordinator?
- What direction / tasking may the RCC give to the OSC?
- How will the OSC interact with the SERENITY master?



# CRYSTAL SERENITY

## Planning

At this point in the scenario, what accountability information does the RCC need from the OSC?

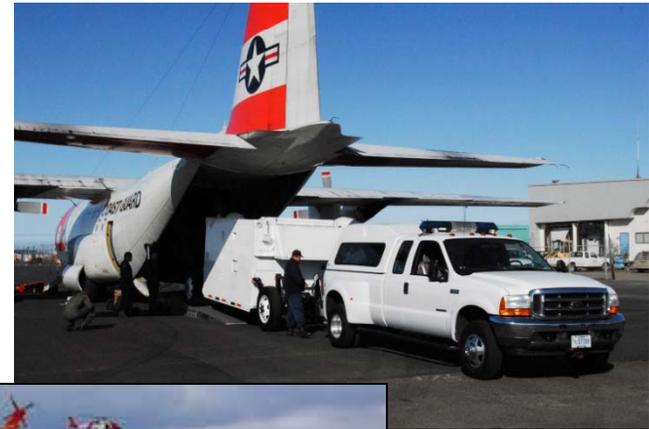


Are there major accountability accuracy “concerns”?



# CRYSTAL SERENITY PLANNING

- What are the support requirements for your ships and aircraft? (List)
- What logistical support must be considered for response personnel arriving on scene or at place of refuge?



# CRYSTAL SERENITY PLANNING

- Is an Airspace de-confliction plan needed?
- Describe process to implement?
- Enforcement process?



# ***CRYSTAL SERENITY***

## ***Planning***

In order to achieve our objectives, what functional operations need to be planned? What are the main response hazards/safety issues to consider? List

- On Water
- On Shore

For each function, identify which agency/organization has the primary responsibility to manage.

What are the current “information voids” that need filling?



# CRYSTAL SERENITY

## Planning

*Scenario Update:*  
GOOD SAMARITAN Status at Hour 28

Vessel Name	Type	ETA on Scene	Survivor Capacity	Special Notes
SHACKELTON, escort	Commercial Ice breaker	On scene	600	2 helicopters Extra survival gear, rafts, response
HMCS AMUNDSEN	98 m (322') Canadian Ice breaker	12 Hrs	Unknown	Limited provisions
TV VINJERAC	Oil Tanker, loaded	Unknown	Unknown	Off loading oil products
HENRY CHRISTOFFENSEN	46 m Tug	2 hr	Unknown	
NORSEMAN II	115' Research Vessel	On Scene	limited	Limited Provisions
XUE LONG	Chinese 548' Icebreaker	18 hrs	Unknown	
ARAON	Korean 359' icebreaker	5 hrs	Unknown	
SILVER EXPLORER	350', 135pax/115crew	On scene	175 est	Where to offload survivors if used?
Various Tugs	Barrow Prudhoe Bay	7 hrs 6 hrs	Unknown	

# CRYSTAL SERENITY Planning

GOOD SAMARITAN Status at Hour 28



Korean 359' Ice breaker ARAON



© Peter Beards  
MarineTraffic.com



TV VINJERAC

© Manuel Constantin  
MarineTraffic.com



NORSEMAN II



Chinese 548' Icebreaker XUE LONG



SILVER EXPLORER

# **CRYSTAL SERENITY**

## ***Planning***

Using available rescue resources, what are your:

- Anticipated problems for “retrieval” of survivors?



## Scenario Update: + 28 hours

# CRYSTAL SERENITY Planning

- Vessel loses all power. Pumps stopped. Water level slowly rising on the port side tank tops in forward diesel generator room.
- SERENITY approx. 35 miles from Herschel Island/land .
- Vessel list now about 4 degrees to port.
- If pumps not started, vessel will become unstable in about 3 hrs.
- TMS SHACKELTON estimates that can load 600 people on board.



**Scenario Update: + 28 hours**

# CRYSTAL SERENITY

## Planning

- Update Status of AIRCRAFT dispatched. Location, flight hrs remaining, staging areas and support concerns.
- Update status of vessels and number of survivor capacity.



# CRYSTAL SERENITY PLANNING

- How will this new information change your planning?



# CRYSTAL SERENITY PLANNING



Evacuation have risk. What specific planning considerations may be required if additional injuries develop?

- How to retrieve?
- Transport time vs survival
- On scene medical support.
- New Partners?
- International requests?
- Where to?



# **CRYSTAL SERENITY**

## ***Planning***

### Injured patient movement:

- Who is lead agency to coordinate patient movement once landed ashore?
- Are there special considerations for foreign patients?
- What is the process for notifications of international next of kin?



# CRYSTAL SERENITY

## Planning

- How will fatigue of responders be managed?
  - RCC Controllers
  - Air Crew
  - Shore responders

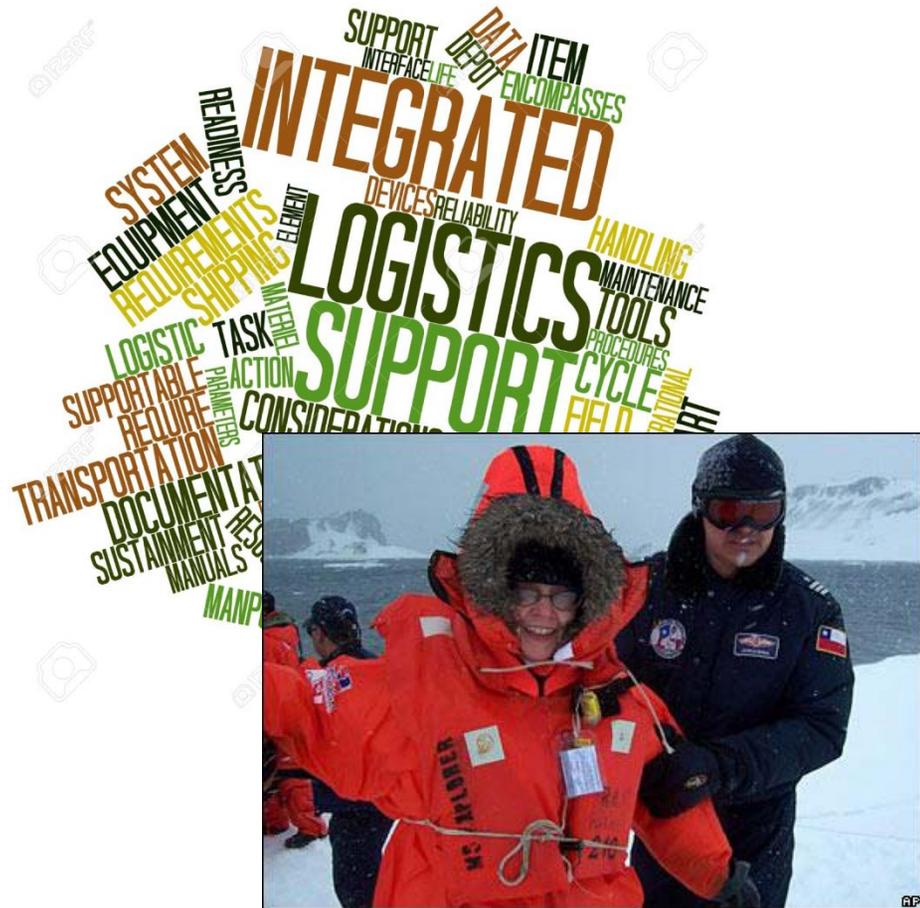


# ***CRYSTAL SERENITY PLANNING***

- What are your various options and associated challenges for movement of survivors to shore? List
- Where will survivors be taken?
- What rescue resources will be used?



# CRYSTAL SERENITY PLANNING



- What logistical requirements should be anticipated for survivors? (List)



# CRYSTAL SERENITY PLANNING

- What factors are considered in determining where to take the survivors?
- Where will be the “place of safety” for your area?
- How are the selected communities notified ?



# ***CRYSTAL SERENITY PLANNING***

- What critical information must be supplied to the community selected? List



# CRYSTAL SERENITY PLANNING

What functional and support activities must be planned once survivors reach land? List

- Shore Incident Command
- Landing Site Management.
- Emergency Medical Support
- Security & Law Enforcement
- Transportation
- Sheltering and Human needs
- Accountability
- Customs and Immigration



# CRYSTAL SERENITY PLANNING

- Who will be in charge shore side?
- How does the local command interact with the RCC?



# ***CRYSTAL SERENITY PLANNING***

How will RCC & industry responders coordinate their efforts with shore side authorities?



# ***CRYSTAL SERENITY PLANNING***

- How will survivor accountability be managed:
  - On water
  - On shore
- By Whom



# ***CRYSTAL SERENITY PLANNING***

Cruise line requests to send international resources and personnel to support.

- How can equipment resources be allowed expedited entry?
- How are expedited visas processed?
- Customs?



# **CRYSTAL SERENITY**

## ***Planning***

- Who is responsible to manage the final accountability reporting?
- Who is responsible to conduct formal media briefings?



# ***CRYSTAL SERENITY***

## ***Planning***

Who determines when to release SAR resources?

When does the mission finally conclude for international assets?



# CRYSTAL SERENITY

## Planning

- What marks the end of SAR operations? Who decides? Factors to consider?
- After SAR, what operations remain unfinished?
- Who assumes command after SAR phase?
- How is hand-off made and communicated?
- What new agencies partners may become involved?



# ***CRYSTAL SERENITY***

## ***Planning***

Remote communities will likely have consumed much of their expendable supplies (food, water, fuel, medical)

- How do we resupply remote communities to return them to their pre-incident status?
- Who is takes the lead on this task?



# ***CRYSTAL SERENITY***

## ***Planning***

- What will be done with CRYSTAL SERENITY?



# ***CRYSTAL SERENITY PLANNING***

Questions / Comments?

