



NTSB National Transportation Safety Board

Office of Marine Safety

Survival Factors

Initial Response

- Master to bridge
- Initial actions
 - Woke crew and passengers
 - Contacted Coast Guard
 - Passenger muster

Accountability

- Designated muster areas
- Head count
- Room check
- Doors marked



Evacuation

- Coast Guard emergency broadcast
- Vessels in the area
 - Fishing vessels
 - Tug and barge
 - Small passenger vessel

Other Responding Vessels

Coast Guard
Cutter Liberty



Ferry Columbia

Photos courtesy tug master

Evacuation



Photo courtesy US Coast Guard

Lifesaving Equipment

- Required equipment
 - Lifejackets
 - Life rings
 - Inflatable liferafts
 - Rescue boats

Lifesaving Equipment Issues

- Remote release units
 - Approximately half failed



Urgent Safety Recommendation

- M-07-09
 - Closed “Acceptable Alternate Action”



Other Lifesaving Equipment

- Inflatable evacuation slides
- Inflatable buoyant apparatus

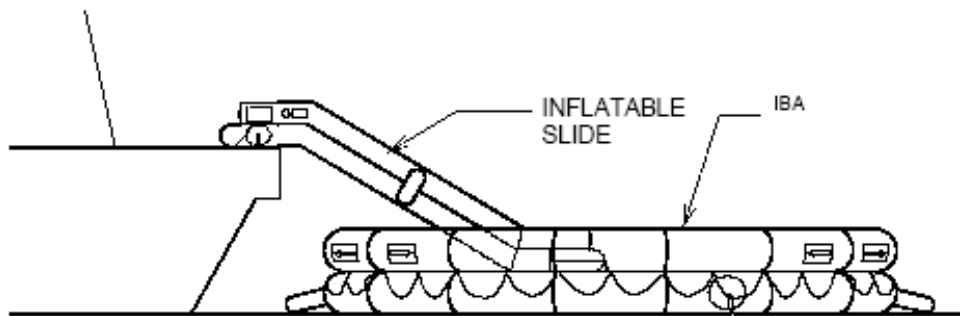


Figure 2.10 - Side View of Slide and IBA

Courtesy DBC Marine



Courtesy DBC Marine

Lifesaving Equipment Issues

- Inflatable Evacuation Slides



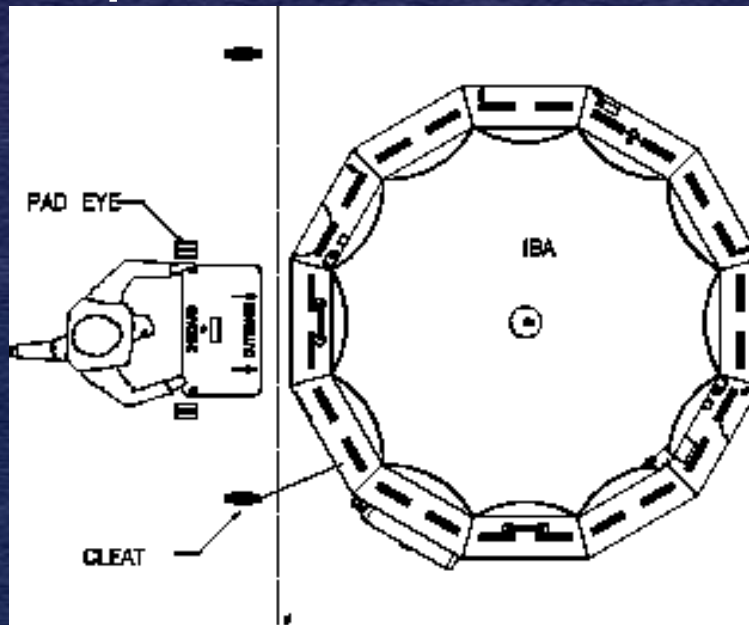
Photo courtesy DBC Marine

Urgent Safety Recommendation

- M-07-10
 - Conduct a one-time inspection and correction of all deficiencies of evacuation slides
 - Coast Guard response
 - Operator error

Inflatable Slides

- Manufacturer testing
 - Valise upside down
 - Valise secured backwards
 - Valise packed incorrectly



Courtesy DBC Marine

Valise Upside down



Valise Backwards



Valise Packed Incorrectly



Additional Actions

- Other vessels with evacuation slides
 - 4 vessels in U.S.
 - All packed correctly
- M-07-10
 - Propose classifying as “Closed—Acceptable Alternate Action”



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