

2B: Safety & Security

Tuesday 4:00 p.m. – 5:30 p.m.

Rob Henry, NTSB, moderator

1. Dr. Shih-Miao Chin, CTA, ORNL
2. CDR Aaron Sanders, USCG
3. Brian Tetreault, USACE

USCG Performance Measures

Safety

- Search and rescue
- # of deaths and injuries
- # of navigational accidents
- % of people rescued
- % rescue assets on scene within a certain time limit
- Asset/aid availability
- % of ATON serviced on time

Security

- % of containers inspected)
- # notices of violation issued
- \$ value of penalties
- % of credentialed employees
- # illegal migrants interdicted
- % of drug removal
- Maritime terrorism reduction
- # readiness assessments

Five Key Points

1. It is difficult to measure performance for non-events (the **counterfactual**), e.g., accidents that do not occur because there are no tangible, quantifiable outcomes (i.e., no data).
 - What is the significance of monetization?
 - There are certain costs and benefits that are incapable of being expressed as dollar value.
2. Monitor the **commercial costs** of maritime security enforcement.
 - % of containers inspected: what is the optimum level of monitoring?
 - What are the tradeoffs in terms of time (delays), revenue, and supply chain disruptions?
3. Systematic reporting of data on **near misses** would increase our understanding of safety in the MTS.
 - Near misses: minimal-consequence events that provide valuable data on safety
 - Required reporting for the aviation industry
4. Consider *all* the implications of increasing vessel size.
 - e.g., deeper drafts, wider ports, less maneuverability, greater likelihood of collisions and groundings, etc. → what other parameters are affected?
 - Problems and disruptions may increase accordingly in duration and complexity.
5. Implement efficient security vetting that builds upon cross-industry harmonization and communication.
 - Selective screening based on inspection history and reputation/credibility in which responsible operators are subject to less rigorous (and time-consuming) inspections.
 - Cooperation with federal agencies (e.g., border security enforcement) to coordinate all security screening s.