



U.S. Coast Guard

Office of Waterways and Ocean Policy

*Marine Board
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CG-WWM

Rajiv Khandpur



Maritime Commerce Strategic Outlook



By 2025, worldwide demand for waterborne commerce is expected to more than double.

Challenges to Safeguarding MTS:

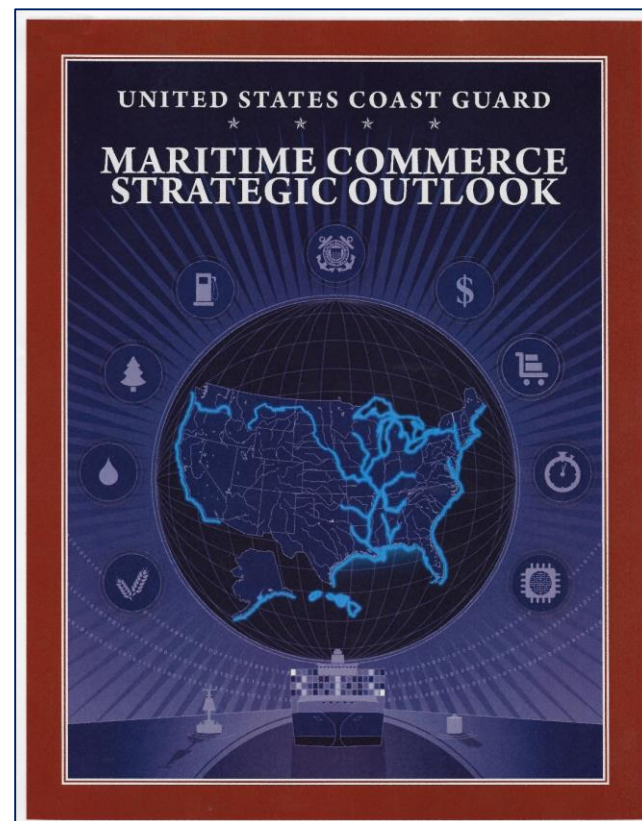
Increased vessel complexity

Enhanced automation

Advanced networked systems

Greater use of MTS

Increased vulnerability to cyber attacks



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The COAST GUARD Journal of Safety & Security at Sea
PROCEEDINGS

FALL 2018

of the MARINE SAFETY & SECURITY COUNCIL



**Captain of the
Port Authorities**
*Safeguarding
America's waterways*

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Captain of the Port Waterways Management



- Waterway Users – Tankers/Containers/ Passenger/ Recreational /Personal Craft
- Navigation Safety Risk Assessments
 - PAWSA, WAMS
- Limited Access Areas
 - Safety Zones
 - Security Zones
 - Regulated Navigation Areas
- Captain of the Port Orders
- Dead Ship Movement
- Anchorages
- Marine Event Permitting
- Space Launch

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Possible MB Study Topic?



Traffic Flow /Economic Assessment

- Economic Value of the MTS broken down by commodity flows and Ports /waterways
 - Oil /Tankers
 - Containers
 - Passenger vessels
 - Bulk Cargo
 - Others

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Other Miscellaneous



- CG MTS (5PW) organization
 - See Tri-fold
- Arctic Domain Awareness Center
 - Using vessel traffic data to Prioritize Bathymetric survey in the Arctic
 - Ice Conditions index for the Great Lakes Region and Arctic
 - High Res Ice ocean modeling
 - Iceberg detection (satellite imagery)
- Polar Security Cutters (CG Ice Breakers)
 - Need 6 IB; at least 3 heavy and need one NOW
 - Currently evaluating submissions/ award expected June 2019
 - Delivery 2023, 25 and 26

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