



*Executing the Mission  
Delivering Legal Services*



# U.S. COAST GUARD

USCG Maritime Commerce Strategic Outlook  
Protecting and Regulating the MTS

**CG/AG**  
1906



# MARITIME COMMERCE STATISTICS

**M**ARITIME COMMERCE is the lifeblood of the global economy. The Coast Guard has the enduring responsibility to safeguard the Marine Transportation System (MTS) and enable the uninterrupted flow of maritime commerce.

## U.S. MTS BY THE NUMBERS



**95,000**

Miles of shoreline



**25,000**

Miles of navigable  
channels



**50,000**

Federal ATO<sup>N</sup>  
(buoys, beacons, ranges)



**361**

Ports  
(commercial)



**20,000**

Bridges  
(crossing waterways)

## ANNUAL ECONOMIC VALUE



**23 million**

U.S. jobs sustained



**\$4.6 trillion**

of economic activity



**90%**

of U.S. imports enter  
and exports exit by ship

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



# Maritime Transportation System: By the Law



- Maritime Transportation Safety Act
- Title 46 of the U.S. Code (Shipping)
- Title 33 of the U.S. Code (Navigation)
- Port Waterways Safety Act
- Magnuson Act
- Oil Pollution Act & CERCLA
- Outer Continental Shelf Lands Act
- Functions of the USCG: 14 USC §§ 81-93
- International Agreements  
SOLAS, MARPOL, Polar Code

# Contemporary Maritime Transportation





# Ports, Waterways, & Coastal Security

- Control measures:
  - “Captain of the Port” orders
  - Port State Control
    - Safety, environmental protection, security
  - Limited Access Areas
  - ISPS Verification Exams
  - Conditions of Entry
  - MARSEC Directives
  - Plans – Vessel / Facility / AMSC
  - Foreign Port Assessments





# Regulating Shipping with oversight of Third Party Organizations



# Waterways Management



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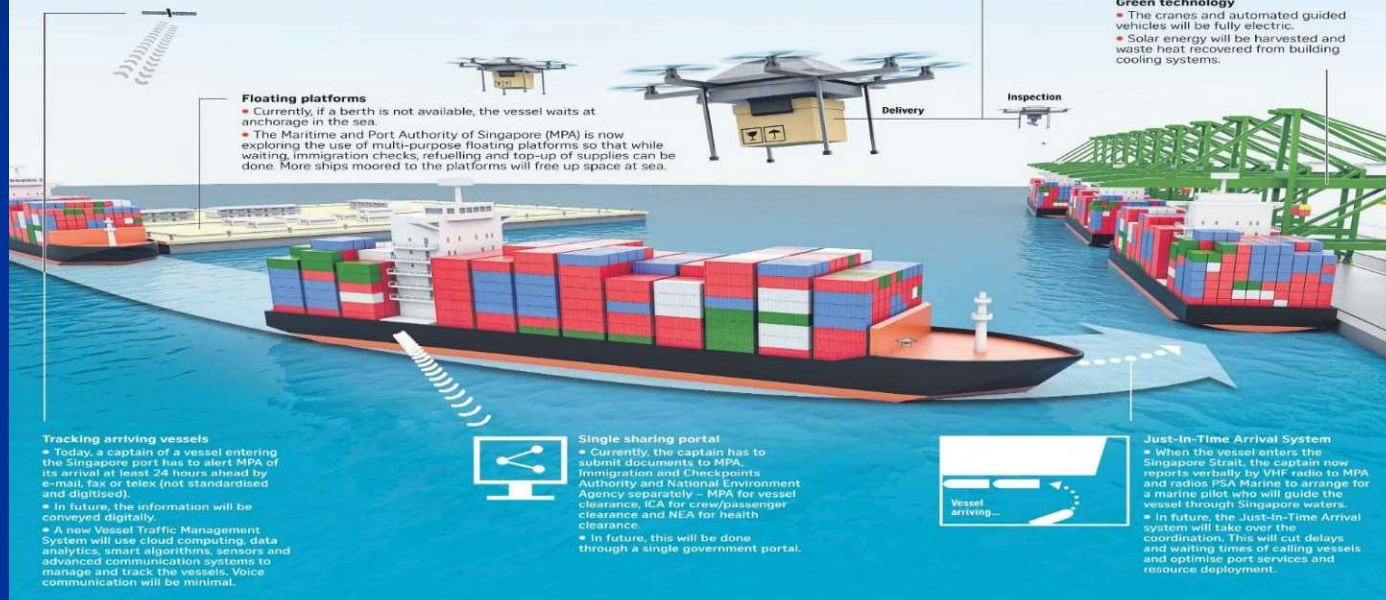




# Technological Changes Ahead: AI, Connectivity & Autonomy

## FUTURE PORT

The Tuas mega port, slated to open in phases from 2021, will incorporate smart and green technologies into its operations. Some of these will be tested at the MPA Living Lab. The Straits Times looks at the journey of a container through the port of the future.





# Emerging Frontiers: The Arctic, Cyber Threats and Aerial Drones



