

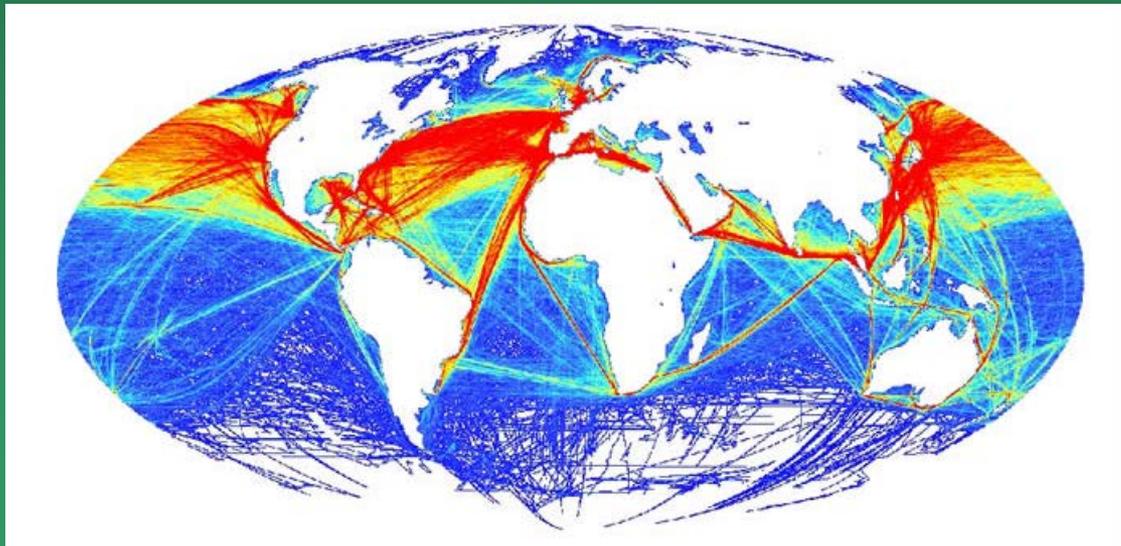
AAPA Shifting Trade Patterns

Ocean Carrier Issues and Perspectives



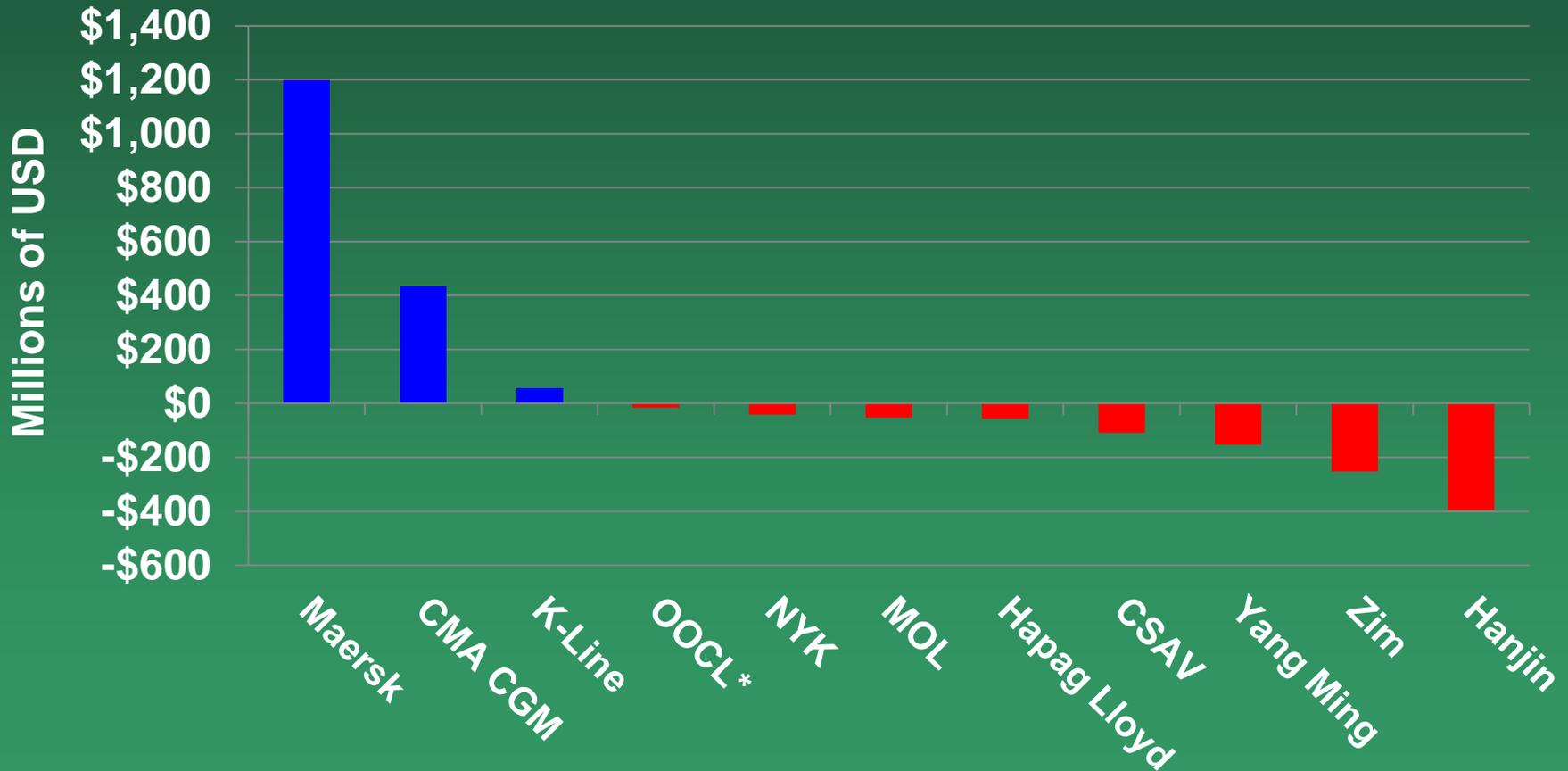
The Global Container Shipping Industry

- Over 400 companies
- Operating 4,974 ships (fully cellular) & 17.3M TEUs of capacity
- Top 20 continue to dominate the industry
- Profitability remains an elusive opportunity



Few carriers were able to achieve net profits during the first three quarters of 2013.....

Global Container Industry Net Profit/Loss by Carrier
YTD 2013 (Q3)



The industry has incurred an estimated \$7.3 billion in operating losses since 2009

Global Container Shipping Industry Profit/Loss 2009-2012



The global container industry: the profitability equation

Scale economies

+ Increased Efficiency

+ Higher Utilization

= Improved profitability

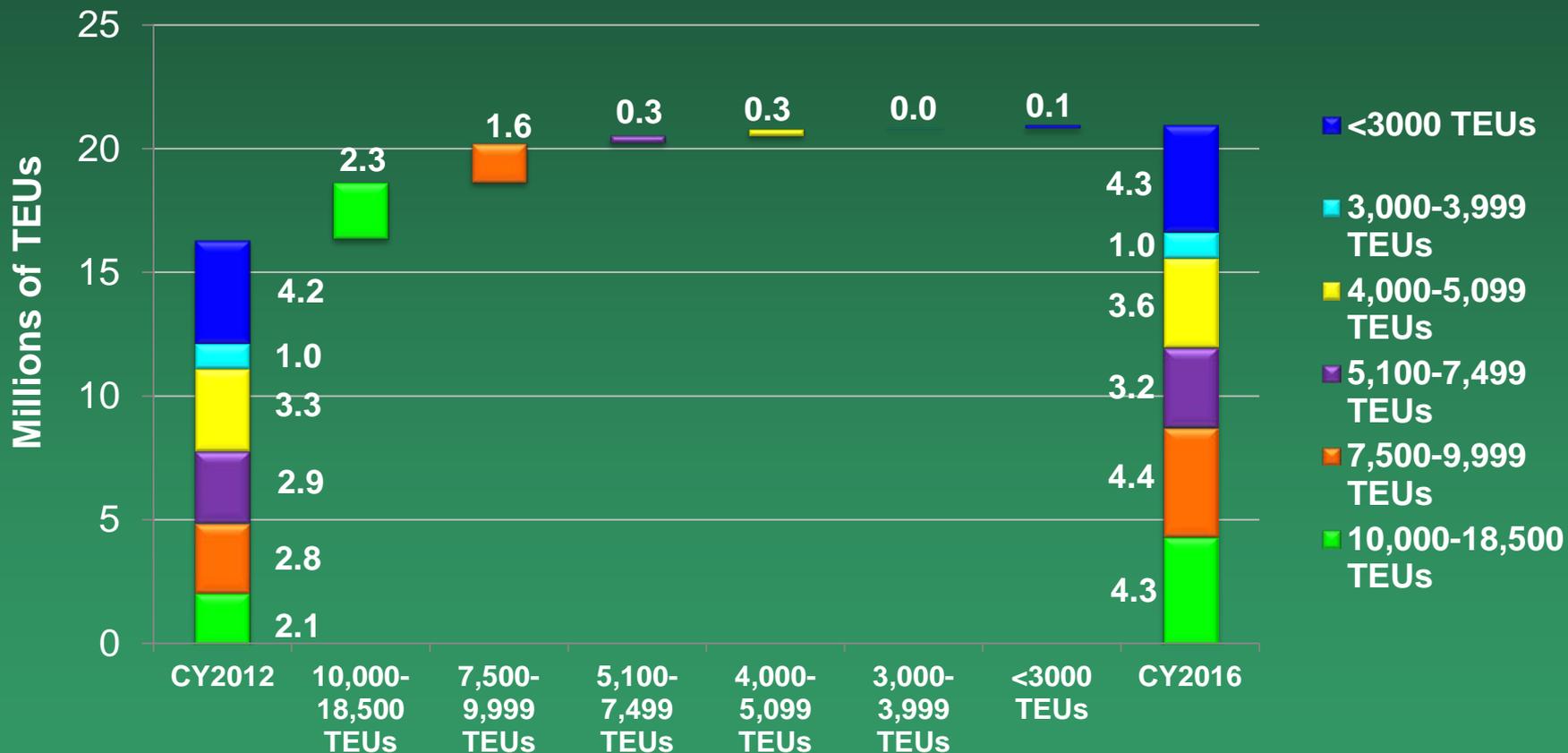
Container ships of 7,500 TEUs and greater represent two thirds of the vessels to be delivered between 2012 and 2016...

Cellular Container Fleet Projections 2012 & 2016 (Vessels)



...and 84 percent of on-order TEU capacity

Cellular Container Fleet Projections 2012 & 2016 (TEU Capacity)



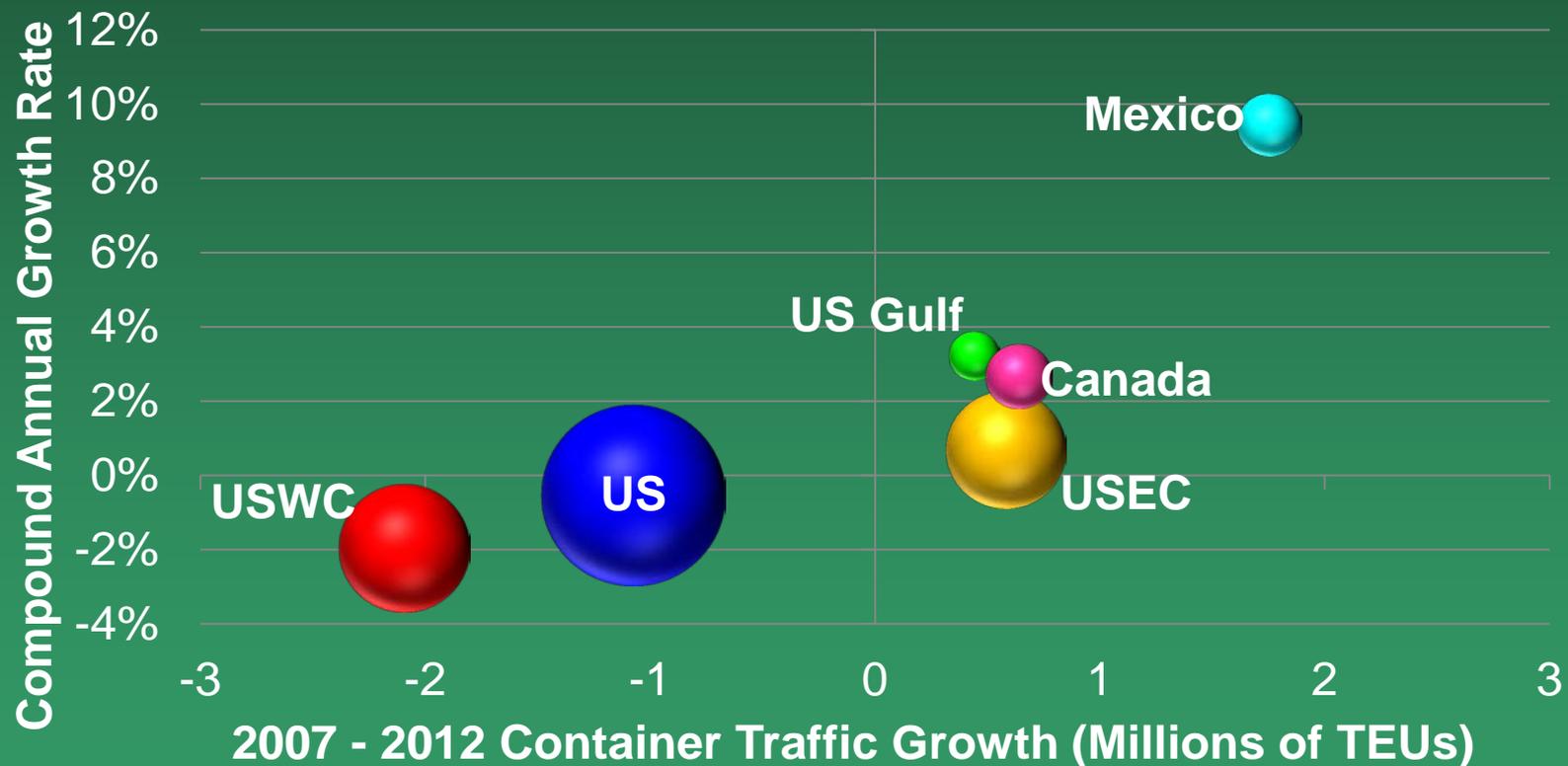
The largest vessel strings calling the Atlantic and Pacific coasts have increased significantly between 2010 and 2014

Largest Average Vessels Deployed on Container Services Calling North America January 2010 vs. January 2014

| Coast | Year | Service Name | Vessel Count | Avg. TEU Capacity |
|----------|-------------|---|--------------|-------------------|
| Atlantic | 2010 | MSC/CMA CGM - S Atlantic, MX & Gulf/Victory Bridge | 7 | 6,237 |
| | 2014 | MSC - Golden Gate Service | 7 | 8,580 |
| Pacific | 2010 | Maersk Line/Safmarine - TP6/AE 6 | 14 | 9,556 |
| | 2014 | MSC/CMA CGM -- ANL/Delmas/Maersk Line/US Lines - Pearl River Express | 7 | 12,416 |
| Gulf | 2010 | MSC/CMA CGM - S Atlantic, MX & Gulf/Victory Bridge | 7 | 6,237 |
| | 2014 | MSC - S Atlantic/Mexico/Gulf | 4 | 6,306 |

As of 2012, the United States had not returned to 2007 peak historical total container volumes

North American Container Traffic Growth 2007-2012



Eight of the top 10 global carriers participate in alliances

• P3 Alliance



• G6 Alliance



• CKYH Alliance



• All Other

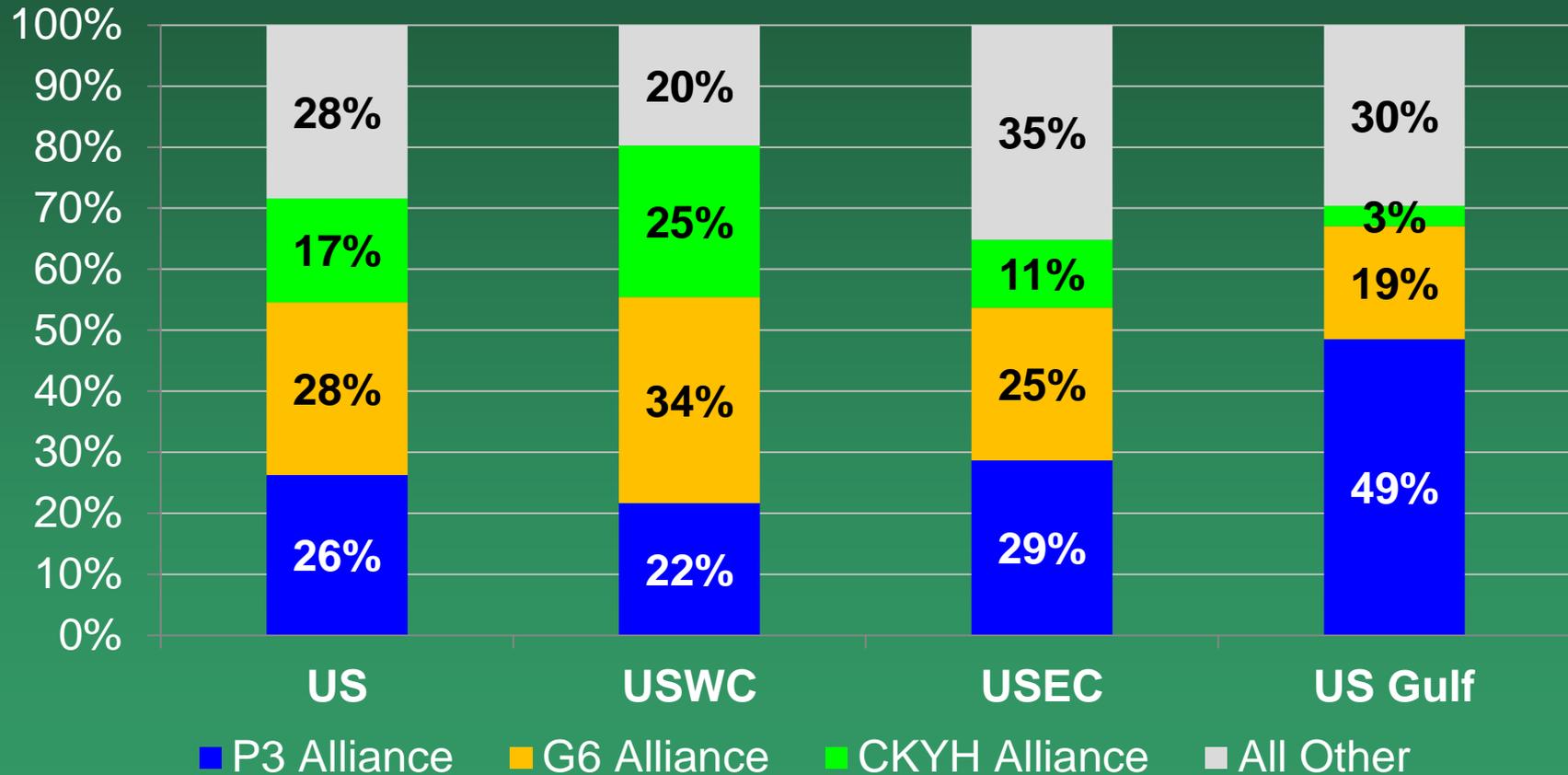


Note 1: Ranking based on total current and on-order capacity

Source: Alphaliner

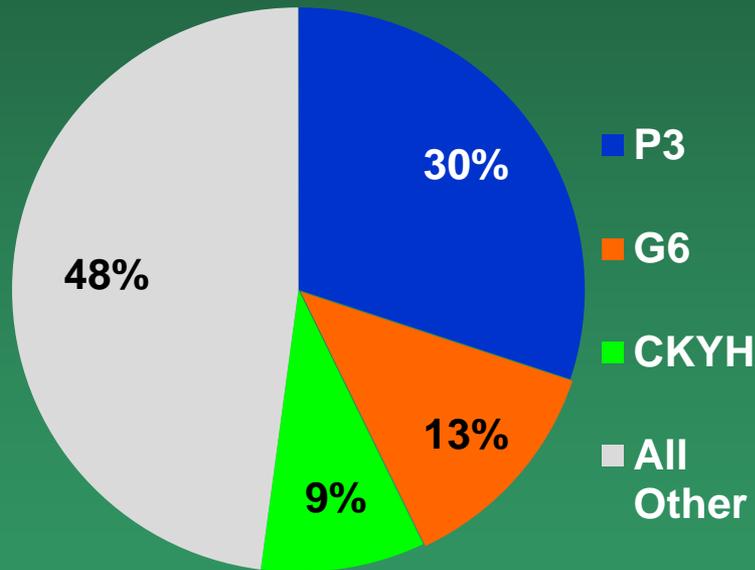
Collectively, the three emerging global shipping alliances carried an estimated 70 percent of total U.S. loaded container traffic between 2005 & 2012

USEC Loaded Container Traffic by Carrier/Alliance 2005-2012



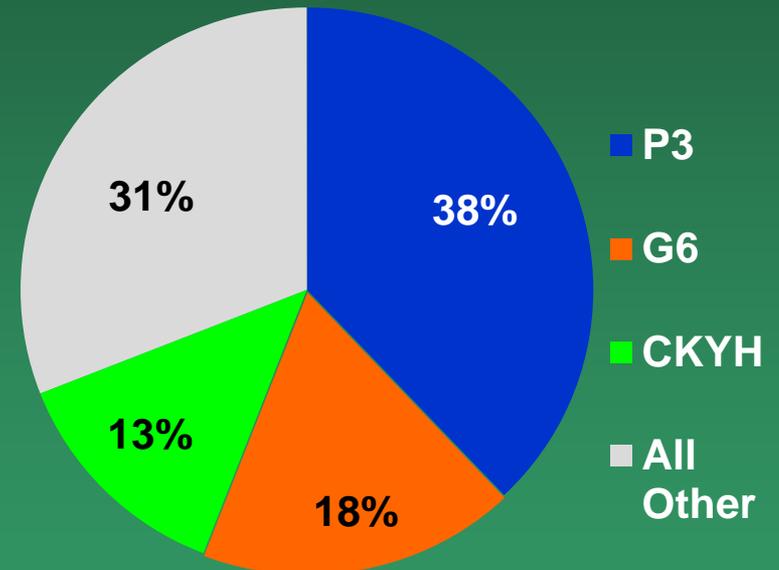
The three largest alliances account for 52 percent of the projected world fleet and 69 percent (operational & on order) of its projected capacity

Current and On-Order
Container Vessels (Ships) –
Q4 2013



Total Vessels:
5,221

Current and On-Order
Container Vessel Capacity
(TEUs) – Q4 2013



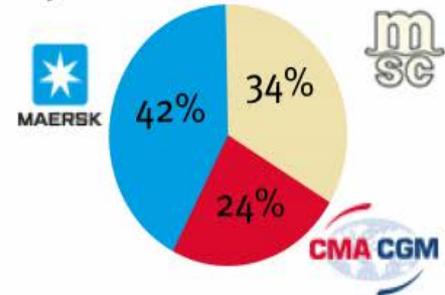
Total TEU
Capacity: 19.5M

P3 Alliance Overview

The P3 Network Box trio's mega vessel sharing agreement for the east-west trades



Ship contributions:

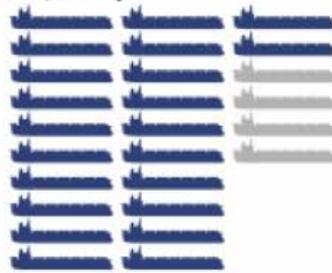


Coverage:



Asia-Europe, transpacific and transatlantic trades

Capacity:



Initially 255 vessels of 2.6m teu deployed on 29 routes

Sales, marketing & customer services:



Each line will continue to negotiate with customers and set freight rates

Fleet management:



A new arm's-length joint vessel-operating centre to be set up in London

Example of P3 Service Changes

MSC North Europe – USEC / Gulf Service Profile

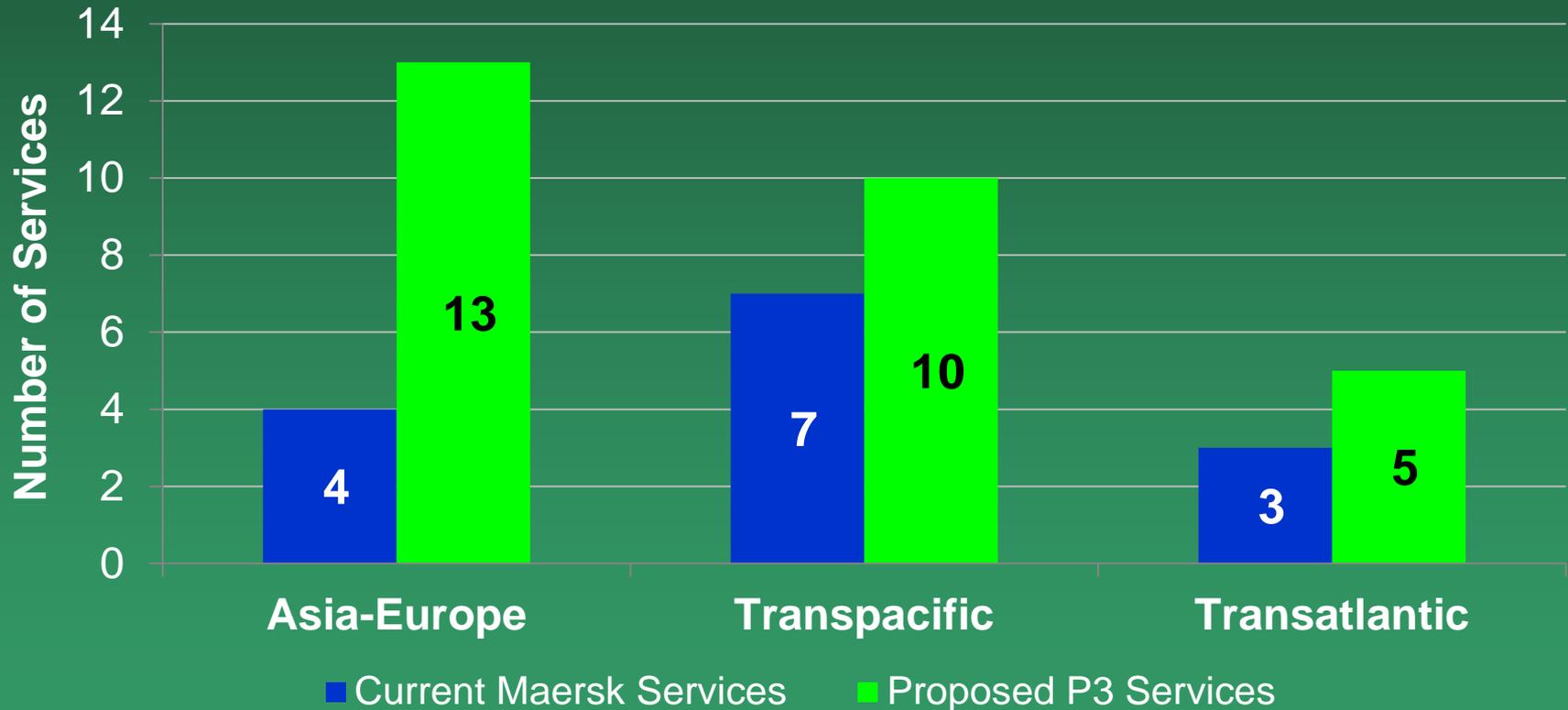
MSC North Europe – USEC/US Gulf Services

| Service Name | Port Rotation | # Vessels and Avg. Vessel Size |
|----------------------------------|---|--------------------------------|
| Current MSC Services | | |
| MSC - North Atlantic | Bremerhaven, Felixstowe, Rotterdam, Antwerp, Le Havre, NY, Boston, Philly, Baltimore, Norfolk, NY, Bremerhaven | 5 x 4,544 |
| MSC - South Atlantic/Mexico/Gulf | Antwerp, Rotterdam, Le Havre, Charleston, Freeport, Veracruz, Altamira, Houston, NOLA, Mobile, Freeport, Savannah, Charleston-Antwerp | 4 x 6,306 |
| Proposed P3 Services | | |
| P3-North Atlantic | Bremerhaven, Felixstowe, Rotterdam, Antwerp, Le Havre, NY, Baltimore, Norfolk, NY, Bremerhaven | 5 x 4,400 |
| P3 - South Atlantic/Mexico/Gulf | Antwerp, Rotterdam, Bremerhaven, Le Havre, Charleston, Freeport, Miami, Veracruz, Altamira, Miami, Savannah, Charleston, Antwerp | 6 x 8,400 |
| P3 - Atlantic/Gulf | Antwerp, Rotterdam, Felixstowe, Bremerhaven, Le Havre, NY, Charleston, Savannah, Houston, NOLA, Mobile, Freeport, Norfolk, Le Havre | 6 x 8,400 |

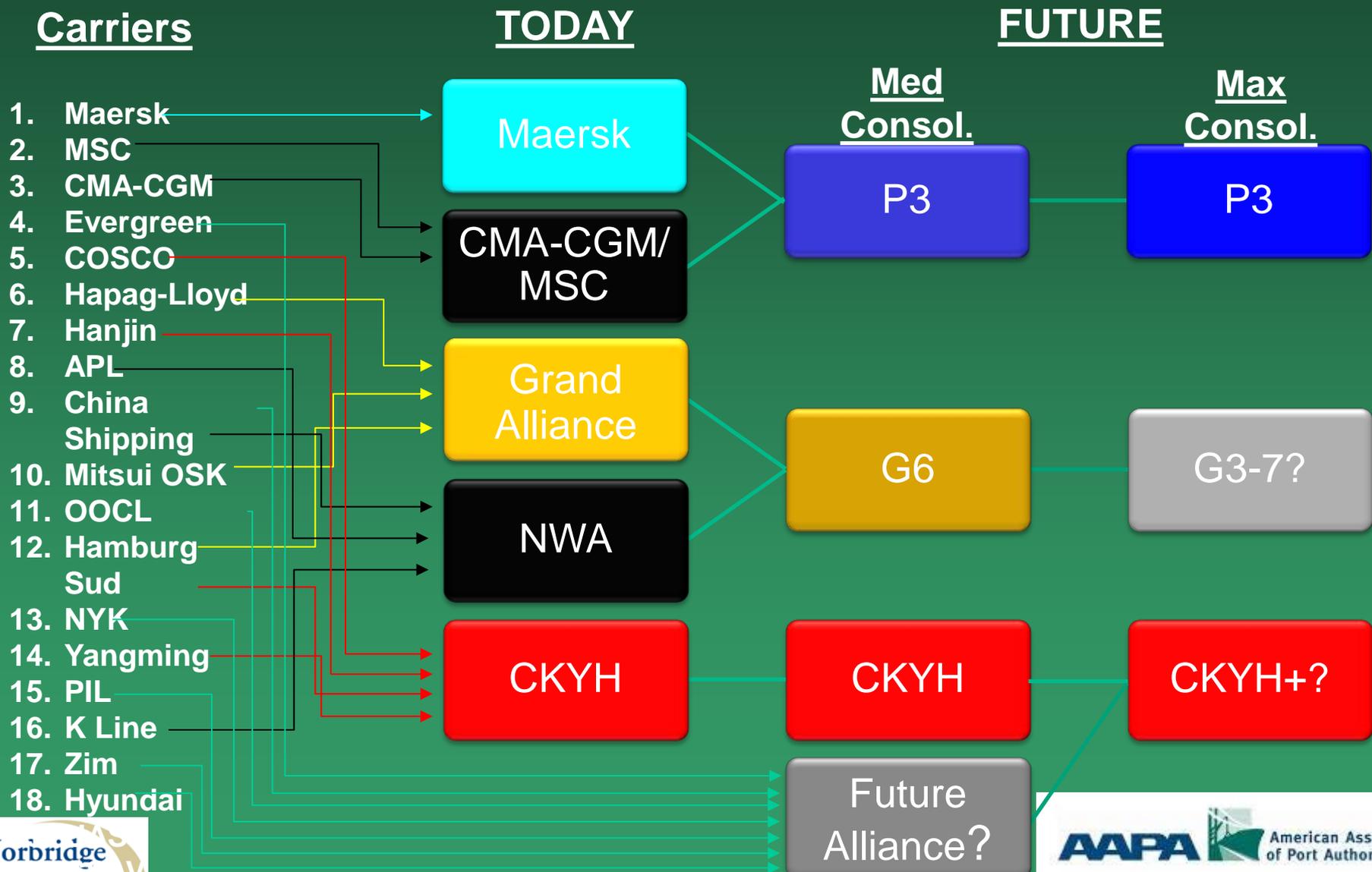
Example of P3 Service Changes

Maersk Service Profile

Current Maersk Services vs. Proposed P3 Services



Evolving alliances structures could provide the path to significant consolidation



Shifting Trade Pattern Implications

Asia via Panama

- Fewer strings
- 6,500-7,500 vessels
- Expanded feeder networks
 - WCSA
 - NCSA
 - USG
 - US Atlantic

Asia via Suez

- Incremental strings
- 8,000-9,000 vessels
- Significant interline
 - NEA
 - SEA
 - ISC
 - ME
 - Med
- Some Atlantic Coast deployment segmentation

Shifting Network Implications

- Port consolidation or expansion?
- Terminal rationalization-a vexing problem in many major gateway ports
- Inland operations
 - Intermodal rail
 - Inland CYs
 - Equipment

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