

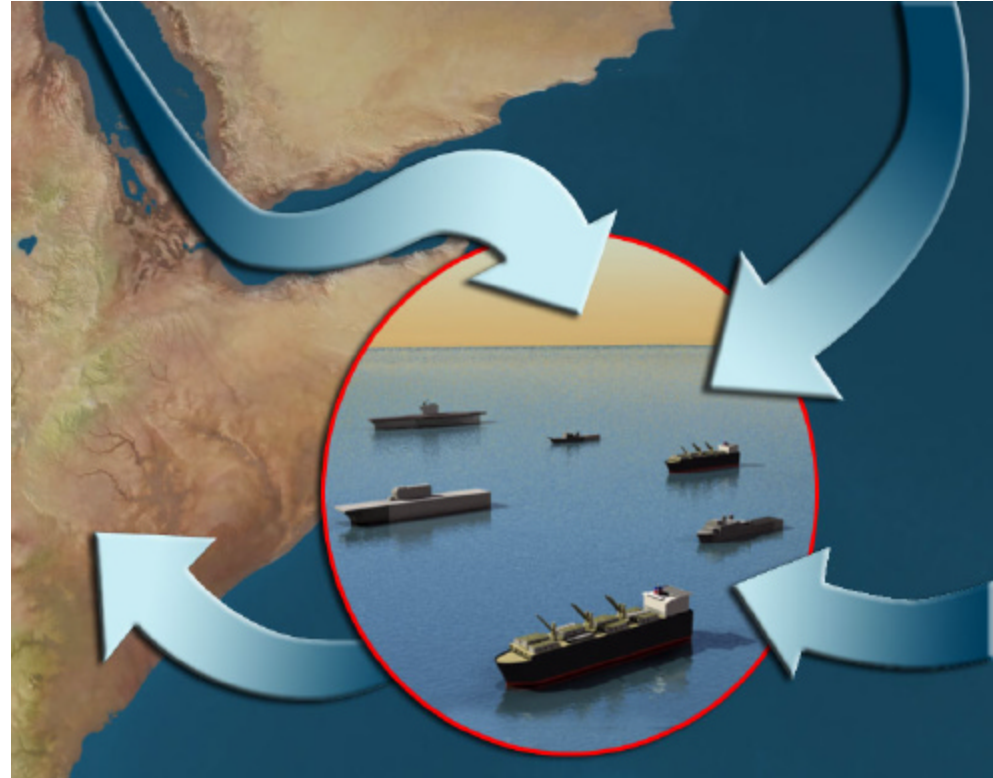
Navy/Marine Corps Team

A Seabased Maritime Prepositioning Force

MPF(F)

*7th Annual Expeditionary
Warfare Conference
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***A SEAPOWER 21
Program***



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Agenda

- Program Schedule Review
- AoA Approach
- Key Technologies



MPF(F) AoA Focus

- MPF(F) Marine Expeditionary Brigade Support
 - What must the ship hold
 - How will it receive & deliver forces & supplies
 - Ship designs to allow sea basing initiatives
- MPF(F) Naval Logistics Support
 - What must the ship hold
 - How will it receive & deliver forces & supplies
 - Ship designs to allow CONSOL and Replenishment-at Sea



Analysis of Multiple Concepts Ship Alternatives

- **Alternatives**

- **Replace current MPS and Aviation Logistics Support Ships (TAVB) in kind (no seabasing capability)**
- **Modify existing MPF ships to better achieve MPF(F) missions using only internal and external equipment or configuration changes**
- **Replace existing MPF ships with newly designed ships with rotary-wing/STOVL capable sea base.**

- **Notes:**

- **All: Examine range of logistics throughput capability for each ship option**
- **#3: Rotary-wing aircraft & STOVL basing**
- **Alternatives beyond current baseline: Examine additional roles for MPF(F) ships, including JCC(X), T-AH, T-AVB, ESS, MCS(X), AFSB**



Analysis of Multiple Concepts Aviation Basing

- For all alternatives that include sea basing of rotary-wing aircraft, examine cost, capability and risk trade-off for basing aircraft on:
 - MPF ships
 - ATF ships
 - Supporting CVN
 - Some combination of these three ship types
 - Ashore



Technology Issues

- MPF(F) Required Technologies:
 - Open-ocean air and surface craft interface
 - OTH surface lighters
 - Launching and loading – integrated landing platform
 - Selective retrieval of cargo
 - CLF Interoperability
 - Skin-to-skin replenishment
 - Supporting C4I interoperability
- Planning for technology refresh
 - Open systems
 - Modularity

Questions?

