Seabasing, MPF(F), & Amphib Shipbuilding Requirements

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Jim Strock
Director, Seabasing Integration Division
Capabilities Development Directorate
Marine Corps Combat Development Command
Quantico, Virginia 22134
703-784-6094
james.strock@usmc.mil
"Seabasing, a national capability, is the overarching transformational operating concept for projecting and sustaining naval power and joint forces, which assures joint access by leveraging the operational maneuver of sovereign, distributed, and networked forces operating globally from the sea."

"The sea base is an inherently maneuverable, scalable aggregation of distributed, networked platforms that enable the global power projection of offensive and defensive forces from the sea, and includes the ability to assemble, equip, project, support, and sustain those forces without reliance on land bases within the Joint Operations Area."
Joint Seabasing: Scalable and Responsive Power Projection

- Humanitarian Assistance
- Train/Advise/Assist
- Relief Operations
- Nationbuilding
- Counterinsurgency
- Peace Enforcement
- Show of Force
- MCO – “Preemption”
- Acts of Terrorism
- MCO – “Swiftly Defeat The Efforts”
- Noncombatant Evacuation
- Selective Strike
- Civil War
- Limited War
- Major Combat
- Global War

Seabasing will provide...the capability to dissuade a potential adversary...and, if necessary, project joint combat power within reduced timelines...with operational independence of Host Nation Support....SECNAV, March 05
What’s in the Joint Seabase?

Carrier Strike Group

Expeditionary Strike Group

Maritime Prepositioning Group

Combat Logistics Force Ships

Coalition Force and Sister Service Ships

Task organized forces to meet COCOM mission requirements

Connectors

Seabasing is more than just MPF(F)...
Baseline MEB Organization

Command Element

(14,484)

Ground Combat Element

3 Inf Bn
2 Tank Co
2 LAR Co
2 AA Co
3 Arty Btry
1 EFSS Btry
1 HIMARS Btry
2 Cbt Engr Co

(5,585)

Aviation Combat Element

3 JSF Sqdn
30 F-35B
1 EA Sqdn
1 HMLA Sqdn
18 AH-1Z / 9 UH-1Y
1.25 CH-53 Sqdn
20 CH-53K
4 VMM Sqdn
48 MV-22
1 KC-130 Sqdn
12 KC-130J

(5,660)

Logistics Combat Element

CLR (-)
CLB (Rein)
CLC (FW)
CLC (RW)

(2,470)
Amphibious MEB (14,484)*

<table>
<thead>
<tr>
<th>Aboard Amphibious Ships</th>
<th>*</th>
<th>MPF(F) MEB (14,484)*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assault Echelon (AE) 10,055*</td>
<td></td>
<td>Sea Base Maneuver Element (SBME)</td>
</tr>
<tr>
<td>Assault Support Element</td>
<td></td>
<td>Sea Base Support Element (SBSE)</td>
</tr>
<tr>
<td>Forward Based Echelon 2,419*</td>
<td></td>
<td>Forward Base Echelon (FBE) 1,907*</td>
</tr>
<tr>
<td>Assault Follow-on Echelon (AFOE) 2,010*</td>
<td></td>
<td>Sustained Operations Ashore Echelon (SOAE) 3,898*</td>
</tr>
</tbody>
</table>

Amphibious Ships provide Forcible Entry Capability

* NSE Not Included

MPF(F) Provides Rapid Reinforcement and Sustainment
Marine Corps Amphib & MPF(F) Capabilities and Requirements

Capabilities

Amphibious Warfare Ships
- Inherent survivability, self-defense, and Navy crewing
- Maritime forcible entry operations
- Forward presence, deterrence

Maritime Prepositioning Force (Future) (MPF(F))
- Capable of at-sea arrival and assembly of forces
- Selective offload of equipment sets to meet Seabasing mission requirements
- Supports forward engagement and forcible entry

Shipbuilding Requirements

Amphibious Warfare Ships
- 2.0 MEB AE per Strategic Planning Guidance; 15 Ao Ships per MEB AE
- Total 30 operationally available ships
  - 10 LHD/LHA(R)
  - 10 LPD-17
  - 10 LSD-41/49 (or equivalent replacement)
- Minimum 11/11/11 ships to meet 30 Ao requirement

Maritime Prepositioning Force (Future)
- One squadron

Legacy Maritime Prepositioning Squadrons
- Retain two squadrons to maintain afloat prepositioned equipment capacity

Notional 15-Ship ATF
- Five LHD-1 (Wasp Class)
- Five LPD-17 (San Antonio Class)
- Five LSD-41 (Whidbey Island Class)

MPF(F) Squadron Composition

2 LHA(R)  3 MLP
1 LHD  3 T-AKE
3 T-AKR  2 Legacy T-AK
MPF(F) Squadron
Required Capabilities

✓ Preposition the MEB (1 Air and 2 Surface Battalions [selective offload])
✓ Close a MEB in 10-14 days
✓ At Sea Arrival and Assembly in 24-72 Hours
✓ Employ one Surface Battalion and one Vertical Battalion in 8-10 hours
✓ Provide accommodations and aircraft/vehicle maintenance capability (O level/selected I level) for a MEB
✓ Sustain the forces ashore from the Sea Base
✓ Provide Level II (resuscitative surgery) medical support
✓ Accommodate and operate organic surface connectors
✓ Conduct external operations in Sea State 3 threshold/Sea State 4 objective

<table>
<thead>
<tr>
<th>2015 MEB assumptions</th>
<th>2015 R/W/T/R MEB ACE</th>
<th>Required Squadron Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>11,912 Personnel</td>
<td>48 MV-22</td>
<td>947,224 RO/RO ft²</td>
</tr>
<tr>
<td>799 HMMWVs</td>
<td>20 CH-53(X)</td>
<td>3,001,747 Cargo ft³</td>
</tr>
<tr>
<td>106 EFVs</td>
<td>18 AH-1</td>
<td>8,808,424 POL ~ gallons</td>
</tr>
<tr>
<td>335 MTVRs</td>
<td>9 UH-1</td>
<td>197 CH 46 Equiv</td>
</tr>
<tr>
<td>30 M1A1 Tanks</td>
<td>2 H-60 / Aviation Ship</td>
<td>20 Acft operating spots</td>
</tr>
<tr>
<td>18 LW 155</td>
<td>8 UAVs</td>
<td></td>
</tr>
<tr>
<td>1,226 Howitzers Trailers and</td>
<td></td>
<td>UNCLASSIFIED</td>
</tr>
</tbody>
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**Seabasing/MPF(F) Study: Phase I**
**Completed 28 Sep 07**

<table>
<thead>
<tr>
<th>Option</th>
<th>Concept of Employment</th>
<th>Squadron Composition</th>
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</table>
| A      | **PROGRAM OF RECORD (POR):** Full MEB arrival and assembly in the seabase. MPF(F) RW/TR ACE embarked in the sea base. Vertical and surface BLT maneuver ashore from the sea base. | Program of Record:  
- 2 x LHA(R)  
- 1 x LHD  
- 3 x LMSR  
- 3 x MLP  
- 3 x T-AKE  
- 2 x TAK Legacy MPS |
| B      | MEB, less ACE, arrival and assembly in the seabase. RW/TR ACE flows to theater/AoA EAF. Surface BLT maneuver ashore from the sea base. Vertical BLT maneuver ashore via available AE shipping and AE ACE assets. | Program of Record, LESS 3 Big Decks, w/possible addition of 4th LMSR & MLP |
| C      | MEB prepo equipment dense packed and administratively offloaded from sea base. No at-sea arrival and assembly. All MAGTF FIE elements arrive and assemble ashore. MEB ACE land based. | TBD number of LMSR-like vessels, MLP’s, T-AKE’s & MPS Legacy ships |
Vehicle Transfer System (VTS)

VTS is the critical new technology that enables surface movement

- Primary system to transfer vehicles and personnel from the LMSRs to the MLPs underway
- Dynamic positioning (DP) of MLP to LMSR while underway
- 1 VTS per MLP (no redundancy)
- 24 hour ship transfer (notional) period through NATO SS3
Way Ahead

Phase I (Complete)

Seabasing MPF(F) Study

MPF(F) Options:
A: Program of Record (POR)
B: POR Less Aviation
C: Recapitalized MPS w/ LMSRs

Concerns:
- Used “How We Fight” brief in mature MCO-3, D+45 & beyond
- Option B relied on amphib big decks in support
- Study did not examine MPF(F) across full range of military operations

Phase II (December)

Follow-On Study

- Alternative amphib/MPF(F) aviation mixes
- MCO employment in expeditionary context, LCOs: COIN, HA/DR
- Inform decisions on MPF(F) aviation capabilities

Near-term actions:
- CDD to JROC Jan 08
- N85 lead, USMC support

Decisions & Issues

Decisions:
- Now: Endorse MPF(F) CDD Incremental approach
- NLT Dec: Determine FY10/14 Big Deck configuration: MPF(F) or AE?
- Jan: Support MPF(F) Incremental CDD to JROC

Emerging Issues
- Effect of new Force Development Guidance (SPG) on Amphibs
- LPD- 26/27 Funding
- Amphib Maint & Modernization
Questions?

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