Expeditionary Warfare Conference
November 17, 2014

- CD&I and CDD Organization
- Expeditionary Force 21
- MEB CONOPS
- Combat and Tactical Vehicle Strategy & ACV Video
- Seabasing and Non-Standard Platforms

MajGen Andrew W. O’Donnell, Jr
Assistant Deputy Commandant, Combat Development and Integration

Deputy Commanding General, Marine Corps
Combat Development Command

FORWARD and READY: Now and in the Future
Develop future operational concepts and determine how to best organize, train, educate, and equip the Marine Corps of the future.

Today's Panel Members

- Institutionalizing Expeditionary Force 21
- Developing an Executable Combat and Tactical Vehicle Strategy
- Developing and Resourcing Amphibious Shipping and Connectors Strategy
- Developing a Naval TEEP (USMC and Navy)
Refining Our Organization
- MEB focus for capability development
- Flexibility in MAGTF employment models
- Sustainability within austere environments

Adjusting Our Forward Posture
- 1/3 operating forces forward
- Agility to respond across a wider area
- Operational reach and posture that enables crisis response

Increasing Naval Integration
- Integrating operational staffs
- Integrated concepts of operation
- Forward “compositing” at/near the crisis

Enhancing Littoral Maneuver
- Employ dispersed forces from greater distances
- Maneuverable throughout the littorals
- High-speed, long-range high-capacity system of connectors

Goal is to improve support to the Geographic Combatant Commanders
### Expeditionary Force 21: guides USMC POM-17 Capabilities-Based Assessment

#### Implementation Intent

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#### Top 10 Prioritized Gaps

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## EF21 Implementation

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### EF21 Objectives

- **Enhance Mobility**
  - (ACV, ITV Smaller Cheaper, Exoskeleton)
- **ACV 2.0 & Next Gen Connector**
  - (Splash from Connector~20nm speed)
- **Operating from More Platforms**
  - (Availability, Modify Platforms, fit FIE on MSC)
- **Increase lethality–Leverage Fires**
  - (HIMARS & Enhanced Munitions)
- **Austere/Distributed Sustainment**
  - (E2O, Reduce Lift & Footprint, Lighten the Load)
- **Composited Combined-Naval C2**
  - (Interoperability, Cyber/EW, Tech Denied Capability)
- **Better Integrate Navy Functions**
  - (Beach Master, Landing Support, Riverine)
- **Distributed STOVL/Max Aviation**

...and Exercise, Exercise, Exercise...
**Mission:** On order, the MEB provides a rapidly deployable and JTF-capable Command Element (CE) with task-organized air-ground forces that are composited from forward-deployed and/or rapidly deployable forces in order to fulfill GCC operational requirements.

**Objectives**

- **Employ within 12-24 hours a MEB CE that:**
  - Can C2 composited forward-deployed or rapidly deployable forces
  - Has integrated staff functions with its Naval counterpart
  - Is JTF-Capable CE, can function as the core of a JTF HQ, or can integrate with an existing CJTF HQ

- **Regionally orient MEBs to meet prioritized Combatant Commanders’ operational requirements**
  - Coordinate the execution of steady state activities and crisis response with regional MARFOR.
  - Establish an enduring relationship with Naval, SOF, and other joint counterparts for training, planning and crisis/contingency response
Compositing and Integrating the MAGTF

- **Globally Networked Forward Presence**
  - 6 Hours-5 Days
  - CJTF Capable General Officer-led fly-in Command Element (CE) that builds on forward-deployed SPMAGTF, ARG/MEU, etc.

- **Joint Seabasing**
  - 6-7 Days
  - CJTF Capable General Officer-led CE that builds on forward-deployed SPMAGTF, ARG/MEU, etc.; augmented as necessary by additional rapidly deploying Marines, Joint or coalition forces

- **Rapid Build of Capabilities**
  - 25 Days
  - CJTF Capable General Officer-led CE that builds on forward-deployed SPMAGTF, MEU, and other forward-deployed joint and coalition forces. Likely includes regimental/group sized units
**Ground Combat & Tactical Vehicle Strategy**

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<th><strong>Sustainment</strong></th>
<th><strong>Selected Upgrades &amp; Recapitalization</strong></th>
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| **ITV**<br>#411  | **ACV:** #694  
2026 | IOC: 2020  
FOC: 2028 | |
| **HMMWV**<br>ECV & A2  
#18,172 | **AAV SUP:** #392  
2030 | IOC: 2019  
FOC: 2023 | |
| **MTVR**<br>2028 | **ITV:** #411  
2030 | IOC: ~2021  
FOC: ~2026 | |
| **LVSR**<br>2033 | **JLTV:** #5,500  
2050 | IOC: 2018  
FOC: 2021 | |

- **Strategy favors recapitalization/upgrade of selected systems and sustainment of legacy systems over modernization of legacy systems**

- *SMI Canceled*

*Supports the 182k end strength force*
Amphibious Combat Vehicle Video

Click picture to have video appear then move cursor to bottom of slide and click play
Seabasing Related Capability Gaps

Surface Assault During Amphibious Maneuver
Ship to Shore Connectors
Amphibious Force Sufficiency and Strategic Lift
C2 Aboard Non-Traditional Naval Platforms
AAV At-Sea Recovery
Engage Direct Fire Targets During Amphibious Operations
Conduct MPF Operations
MEU SOF Integration
Spatial & Situational Awareness During Amphibious Operations
NSFS for MAGTF Operations
Clear Assault Lanes / Craft Landing Zones During Amphibious Operations
Seabasing Force Preparation
Seabasing Experimentation
Family of Connectors

Existing Surface

LCAC
Program of Record: 72 Craft

LCU
Program of Record: 32 Craft

JHSV
Program of Record: 10 (3 delivered)

Existing Vertical

CH-53K
Program of Record: 200

MV-22
Program of Record: 360

UH-1Y
Program of Record: 160

T-AKE
LHA-8
LSD
LPD-17

TAK
LMSR
MLP
JHSV

SC (X)-R
IOC: 6 craft FY22
FOC: 32 craft FY26

SSC
IOC: 6 craft FY20
FOC: 72 craft *FY29

ACV
IOC: 204 FY20
FOC: 694 TBD

Programed

Next Generation

Future

Way Ahead: Provide Superior Amphibious Capability for the Combatant Commanders
"With respect to equipment we should emphasize simplicity, ruggedness and ease of maintenance. And in design and gadgetry the characteristics we demand should be pattern of the necessary rather than the ideal. We shall continue to strive to obtain in a timely manner the best possible combat equipment."

General David M. Shoup, CMC, 4 January 1960

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BACKUPS
Integrating Seabasing Capability

T-AKE
Offers selective access and off-load of unitized supplies for prepositioning MEB and other MAGTFs operating in the seasea or ashore.

LASH
Lighter Aboard Ship (LASH) is a Military Sealift Command Ship that could provide a LCAC/33C station.

LMSR
Military Sealift Command's Large, Medium Speed, Roll-On/Roll-Off ship program significantly expands the nation's sealift capability as a prime mover of military equipment. The ships carry vehicles and equipment to support humanitarian missions, as well as combat missions.

LSD
Provides largest capacity to operate landing craft in support of MAGTF operations.

LHA-8
Lifts and supports over 1300 Marines and the MAGTF command & control elements main base to fixed (JSF), rotary wing / tilt rotor, and unmanned aircraft systems. Well deck supports simultaneous landing craft operations. Level 1 medical capability.

Mobile Landing Platform
Leverages roll-on/roll-off technology and has raised vehicle platform, side port ramp, mooring fenders and LCAC lanes. Utility of "Interoperable Pier in the Ocean" spans the Range of Military Operations.

JHSV
Provides high speed transportation for over 300 Marines and 20,000 sq ft of MAGTF equipment.

LPD-17
Capable of basing over 700 Marines, their equipment and supplies and projecting capabilities ashore with LCACs, conventional landing craft, amphibious connectors and rotary lift craft.

Ship to Shore Connector (SSC)
Provides modernized landing craft over-the-beach capability.

ACV
Wheeled armored personnel carrier with littoral maneuver capability.

12th LPD Bridge to LX(R)
Family of Connectors

Way Ahead: Provide Superior Amphibious Capability for the Combatant Commanders