COMBAT DEVELOPMENT PROCESS
CONCEPT and STATUS BRIEF

Prepared for Expeditionary Medicine Working Group

A Conceptual Overview of a Force Health Protection Combat Development Process

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• The impact of National Strategic Guidance on Naval capabilities
• The goal of the Navy Combat Development Process
• Sea Power 21 as Naval Strategic Guidance
  – Sea Basing – Naval Medicine as an enabler
• The N6/7 Combat Development Process (CDP)
• Naval Force Health Protection 21 (NFHP-21)
• Gaps in the Force Health Protection CDP
• The Naval Medicine challenge
• The DOTMLPF approach
• Naval Force Health Protection 21 Capability Hierarchy
• A proposed Naval Medicine CDP
  – Phase 1: Force Capabilities Development
  – Phase 2: Capabilities Requirements Development
  – Phase 3: Prioritization and Resourcing
  – Phase 4: Capability Fielding and Transition
• The role of Research and Development
National Security Strategy

Defense Planning Guidance

Transformation Planning Guidance

Joint Vision

Joint Operations Concept

Naval Operational Concept

Naval Power 21

Sea Power 21

Marine Corps 21

Capabilities

Preemptive Capability based

Draft

Characteristic s
Navy Combat Development

• Align, organize, integrate, transform around Sea Power 21
  - Warfighting concepts as core Naval Capability Pillars (Sea Strike, Shield, Basing and FORCENet)
  - Warfare Sponsors lead
  - Enhance SYSCOM leadership role
  - Align ONR—future naval capabilities to tech gaps

• Expeditionary Maneuver Warfare—fully embedded in all pillars
  - Operational Maneuver From The Sea (OMFTS)
  - Ship To Objective Maneuver (STOM)
Naval Strategic Guidance (NSG)

Sea Power 21

- Sea Shield
  - Force Protection
  - Surface Warfare
  - Under Sea Warfare
  - Theater Air and Missile Defense

- Sea Strike
  - Strike
  - Fire Support
  - Maneuver
  - Strategic Deterrence

- Sea Basing
  - Deploy and Employ
  - Provide
  - Integrated Joint Logistics
  - Pre-Position
  - Joint Assets Afloat

- FORCEnet
  - Intel, Surveillance, Reconnaissance
  - Common Operational and Tactical Pictures
  - Networks

14 MCPs / 61 Capabilities

Notes:
1. Sea Power 21 pillars (NCs) are not prioritized; assumed to have equal weight
2. Fire and Maneuver MCP broken out for prioritization purposes
3. Sea Basing is an MCP but has sub elements identified to support MCP analysis and capabilities hierarchy
NSG Capabilities

- **Deploy and Employ**
  - Close the Force & Maintain Mobility
  - Provide at Sea Arrival and Assembly
  - Allow Selective Offload
  - Reconstitute and Regenerate at Sea

- **Pre-Position Joint Assets Afloat**
  - Integrate and Support Joint Personnel and Equipment
  - Provide Afloat C2 Physical infrastructure
  - Provide AFSB Capability for Joint Operations

- **Provide Integrated Joint Logistics**
  - Provide Sustainment for Operations at Sea
  - Provide Sustainment for Operations Ashore
  - Provide Focused Logistics
  - Provide Shipboard and Mobile Maintenance
  - Provide Force Medical Services
  - Provide Advanced Base Support

13 Capabilities
N6/7 CDP

Strategic Guidance

Warfighting (Campaign) Analysis

CONOPS

Mission Area Analysis

Force Capability Metrics

Transform Roadmap

SEA TRIAL

Sea Shield NCP

Sea Strike NCP

Sea Base

FORCENET

Program Guidance

Investment Strategy

SEA ENTERPRISE

ISCP

• Investment Priorities
• Capability Balance

SYSCOM Assessments

S & T Assessment

Force Structure & Munitions (NNOR) Analyses

Unclassified

N6/N7 SPP
Naval Force Health Protection 21 (NFHP-21)

Combat Development Process (CDP)

• Requirement:
  - Naval Medicine needs a systematic process for taking a Force Health Protection concept from inception of idea through acquisition and fielding. The process will support war fighter requirements by identifying needed capabilities, clearly outline and define the process, and assign action responsibilities.

• Construct:

• Method:
  - Involve CNO, NWDC, Fleet, USMC and Naval Medicine as stakeholders to develop process.

• Product:
  - Complete process contained within OPNAVINST.
GAPS IN FHP CDP

- Lack a Naval Health Services Support Operating Concept linked to Sea Power 21 and MC Strategy 21.
- Lack approved/validated HSS capabilities list
- Lack process for documentation/submission of capability deficiency into the CDP for assessment/validation.
- Lack DOTMLPF or Course of Action assessment process.
- Fielding materiel solutions without approved/validated capability requirements documentation.
- Weak integration of R&D investment with the acquisition community.
• Develop medical combat development process:
  • Force capability development
  • Capabilities requirement development
  • Prioritization and Resourcing
  • Capability fielding and transition

• Develop a DOTMLPF/course of action (COA) analysis process

• Integrate research and development programs for new technology development for materiel solutions
<table>
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<tr>
<th>Requirements Category</th>
<th>Responsible Organization (Navy)</th>
<th>Responsible Organization (USMC)</th>
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<td>Doctrine</td>
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<td>Marine Corps Combat Development Command</td>
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<td>Training</td>
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NFHP-21 Capability Hierarchy

NFHP Pillars

Healthy & Fit Force
Prevention & Protection
Casualty Care & Management

NFHP Capabilities

Aggressive Health Promotion
Health Risk Identification And Mitigation
Preventive Medicine And Wellness Programs

First Responders
Forward Resuscitative Surgery
Theater Hospitalization
En route Care

Prevention of Infectious Disease
Protection Against Environmental & Occupational Injuries
Prevention of Combat Stress Injuries
Prevention of Chemical, Biological, Radiological And Nuclear Casualties
Prevention of Battle Injuries

Infrastructure Support Services (enablers):
Medical Logistics, Medical Information Systems, Training, Research and Development
A Proposed Naval Medicine

FOUR CDP PHASES

1. FORCE CAPABILITY DEVELOPMENT
   DEVELOP CONCEPTS & IDENTIFY CAPABILITIES

2. REQUIREMENT DEVELOPMENT
   DOTMLPF” REQUIREMENTS

3. PRIORITIZATION AND RESOURCES
   Funding through PPBS

4. CAPABILITY FIELDING AND TRANSITION
   Full Operation

Funding through PPBS
Full Operation
Phase 1

JCC

Input from Operating Forces
Lessons Learned, Wargaming, Exercises, Experimentation, Modeling

Conduct Capabilities Assessment & Analysis (Near-Term, Mid-Term & Far-Term)

Naval Operating Concepts

Naval HSS Capabilities List Development

Capabilities Requirement Development Phase

UNSC Development

The National Security Strategy of the United States of America

Naval HSS

Capabilities List Development
Phase 2

1. REQUIREMENT DEVELOPMENT & DOCUMENTATION
   - UNS Assessment Review, Categorization & Development of Courses of Action (NWDC N55)
   - DOTMLPF WG Analysis Of UNS
   - DOTMLPF WG Develops COAs
   - N093 Reviews, Assesses & Endorses UNS

   Concept Issue. Forward to NWDC for Impact Review
   Non-Concur. Return to NWDC N55
   Non-Concur. Return to Originator


3. N093 COA Selection
   - N931 Issues Solution Initiating Directive to NWDC N55
   - N093 COA

   Non-Materiel COA. NWDC N55 Develops Non-Materiel Documentation
   Material COA. NWDC N55, Develops Material Requirements Documentation
   Material COA. Non-Materiel Technology. Pass to ONR WP FNC

   For FNC Development that transitions from 6.2 to 6.3

   TO PRIORITIZATION & RESOURCING PHASE
   TO PRIORITIZATION & RESOURCING PHASE
Prioritization & Resourcing

Phase 3

N093 Validation & Prioritization

N093 Convenes the EMEC to conduct DOTMLPF Analysis And Prioritization

N931 Affordability Analysis

N931 Develops, Submits and Champions HSS MCP

DON BUDGET PROCESS (BCAPP)

Integration Of MCPs Into Integrated Strategic Capability Plan (ISCP)

ISCP Validated By NROC & CEB

Funded In Presidential Budget

Incorporated Into ISCP/ISPP

From Capability Requirement Development Phase

CAPABILITY FIELDING AND TRANSITION PHASE

HSS – Health Services Support
MCP – Mission Capability Packages
EMEC – Expeditionary Medicine Executive Council
NROC – Navy Requirements Oversight Council
CEB – CNO Executive Board
ISCP – Integrated Strategic Capability Plan
ISPP – Integrated Sponsor’s Program Proposal
BCAPP – Battle Force Capability Assessment and Programming Process
Capability Fielding & Transition

Phase 4

3

From Prioritization & Resourcing Phase

Non-Materiel DOTLPF Process Implementation of Non-Materiel Solution

Acquisition and Fielding Process (as Outlined in DEPSECDEF Memo ‘Defense Acquisition’ of 30 Oct 2003 and in the Interim Acquisition Guidebook) for Materiel COA Solution

Technology Development for Materiel COA Solution for non-mature technology. ONR WP FNC responsible for technology Development which transitions to Acquisition Management System under a Technology Transition Agreement.

Fielded Capability

Capability Fielding Plan
Entry Points for Science and Technology (S&T) during the acquisition process. ONR Warfighter FNC Provides an appropriate means for technology development and technology demonstration. BUMED 6.4 Funds is a viable avenue for Demonstrating technology application to meet a validated capability requirement. Currently the level of integration between R&D efforts and acquisition...