Marine Corps Modernization

SENEDIA Defense Innovation Days

HQMC Combat Development & Integration

August 26, 2025

Campaigning

ADAPTATION

- Marine Aviation
- Marine Unmanned Aerial Squadrons
- Ground Based Air Defense / C UAS
- Fires Portfolio
- Infantry Battalion Experimentation
- Mobile Reconnaissance Battalion
- Marine Littoral Regiment
- Logistics Combat Element Modernization

The Marine Corps has an obligation to adapt to, harness, and even drive the changing character of war.

AMPHIBIOUS WARFARE SHIPS, ENABLERS AND LITTORAL MOBILITY

Amphibious Warfare Ships

- 3.0 MEU Presence
- 32 ships in the battle force inventory
- Multi-ship procurement (3+1)

Littoral Maneuver and Mobility

- Medium Landing Ship Procurement
- Littoral Maneuver Bridging Strategy

Connectors

- First LCU 1700 will be delivered in 2025
- Ship-to-Shore Connectors replacing legacy LCAC fleet

Maritime Prepositioning

- Tailoring for crisis response, advanced naval base support and sea-denial operations
- Enabling effective dynamic design and efficient predictive costing models necessary to support programmatic development and critical decisions

Afloat C5I

- Modernize at the speed of technology

The Navy/Marine Corps Team Provides a Naval Expeditionary Warfare Strategic Advantage

CAPABILITIES

Ground/Air Task-Oriented Radar (G/ATOR)

Advanced Reconnaissance Vehicle (ARV)

Medium Landing Ship (LSM)

CH-53K King Stallion

V-22 Osprey

Multi-Mission Reconnaissance Craft (MMRC)

Long Range Unmanned Surface Vessel (LRUSV)

Stern Landing Vessel

F-35 B/C

Medium Range Air Defense Radar (MRADR)

High Mobility Artillery Rocket System (HIMARS)

Amphibious Combat Vehicle (ACV)

XQ-58A Valkyrie

Medium Range Intercept Capability (MRIC)

Navy Marine Expeditionary Ship Interdiction System (NMESIS)

Organic Precision Fires

UAS Sensor Payloads

MUX MALE

Autonomous Low-Profile Vessel (ALPV)

Marine Air Defense Integrated System (MADIS)

Networking on the Move (NOTM)

V-BAT Unmanned Aerial System

Medium Aerial Resupply Vehicle Expeditionary Logistics (MARV-EL)

Tactical Resupply Vehicle-150

Light Marine Air Defense Integrated System (L-MADIS)

Maritime Targeting Cell Expeditionary

Maritime Targeting Cell Mobile

Tactical Edge Node Expeditionary

Stalker Blk 30

RQ-20B Puma

Common Aviation Command And Control System (CAC2S) Small Form Factor (SFF)

Terrestrial Collection Systems (TCS)

Littoral Explosive Ordnance Neutralization - LEON

Radio Agile Integrated Device (RAID)

X2D

Questions / Discussion

UNCLASSIFIED

MODERNIZATION PROCESS MAP

A THREAT-INFORMED, CONCEPT-BASED, CAMPAIGN OF LEARNING

2019-2025

Studies: 70+
Wargames: 42
Experiments: 33
IPTs: 45

STRATEGIC GUIDANCE

2021
- TRI-SERVICE MARITIME STRATEGY
- INTERIM NSS
- DPG 2021

2022
- SECNAV POM-24
- NDS 2022

2023
- SECNAV POM-25

2024
- SECNAV POM-26
- CMC39 CPG

2025
- UNLEASHING MILITARY DRONE DOMINANCE

THREAT ANALYSIS

CHINA / RUSSIA / DPRK / IRAN / VEOS

CONCEPTS

- JOINT WARFIGHTING CONCEPT
- STAND-IN FORCES
- RECON / COUNTER -RECON
- TALENT MANAGEMENT 2030
- TRAINING & EDUCATION 2030
- I&L 2030
- Distributed Maritime Logistics Operations
- JOINT WARFIGHTING CONCEPT 3.0
- 21ST CENTURY AMPHIB OPS
- HOW WE FIGHT

STUDIES & ANALYSIS

- JFOS 2.1 CAMPAIGN ANALYSIS
- III MEF FD IMPACT
- FORCE VULNERABILITY ASSESSMENT
- LOGISTICS C2
- C2 ENABLERS
- FORWARD ENGAGEMENT CONCEPT 2.0

- JFOS 2.2040 CAMPAIGN ANALYSIS
- II MEF IAMD
- AMPHIB FLEET
- SURFACE MOVEMENT CAPABILITIES
- FORWARD ENGAGEMENT CONCEPT 3.0
- ARV MARITIME QUARTERBACKING
- MAGTF FIRES
- FUTURE INF BN TRNG
- MUX FoUAS PT. 2

- ORGANIC PRECISION FIRES
- AoA
- OPERATIONAL SUSTAINABILITY
- NCIP-MC23

- NCIP-MC24
- MODERNIZING MEDICAL SERVICES
- MMRC CAPABILITIES ALTERNATIVES ANALYSIS
- CONTESTED LOG PORTFOLIO
- TACTICAL MULTI-DOMAIN SENSSORS IN LITTORALS
- FUTURE AMPHIB FORCE CBA
- ARTY AMMO INVENTORY ON T&R
- SEA-BASED EXP FORCES
- COMPLEX TERRAIN IN FUTURE CONFLICTS
- MARITIME STRATEGY: USMC ROLES IN 2035-2049
- HOST NATION LOGISTICS INFRASTRUCTURE, TRANSPORTATION, AND MATERIAL SUPPORT IN COMPETITION AND CONFLICT

WARGAMING

- PROVIDENT FORGE
- OIE
- III MEF
- MLR SERIES
- MEU SERIES
- POM-24
- LITTORAL MANEUVER
- LITTORAL LOG
- EW-21
- ENIGMA SERIES
- PACFLT 13
- PACFLT 14
- ENDER'S RISE

- GLOBAL 21
- THREAT TTX
- AVIATION
- OIE
- EW-22 PT.1
- EW-22 PT.2
- GLOBAL 15
- RXR
- PACIFIC CASCADE
- MLR SERIES
- NSG-22

- INF BN SERIES
- MLR SERIES
- MLSG SERIES
- AZURE DRAGON
- RECON/XRECON
- COMPETITION WARGAME
- MULTI-DOMAIN C2

- 21 CAO
- MULTI-DOMAIN C2
- TRI-LATERAL
- MALTESE DRAGON II
- FUTUREW STUDIES PROGRAM
- EXPEDITIONARY
- WARRIOR 24
- TACTICAL LOGISTICS
- NAVAL SERVICES GAME

EXPERIMENTATION

- LSE-21
- TALISMAN SABER
- PROJECT CONVERGENCE-21
- IBX-30
- MWX

- RIMPAC-22
- VALIANT SHIELD-22
- PROJECT CONVERGENCE-22
- IBX-30
- STEEL KNIGHT-22
- MWX
- COLD RESPONSE
- ARTIC EDGE-22

- FLEET BATTLE PROBLEM 23
- MLR SLTE
- BALAKATAN 23
- PARABELLUM HORIZON
- TOEE 23.1
- NORTHERN EDGE 23-1
- FPB-FFC 23.1
- NORTHERN EDGE 23-2
- LSE 23
- MFP IOC DEMO
- SK-23*
- BOLD QUEST 23
- IBX-30

- IBX V34
- PROJ CONVERGENCE C4
- VALIANT SHIELD 24
- RIMPAC 24
- GRAY FLAG 24
- KEEN SWORD 24
- NAVAL SERVICES GAME
- STEEL KNIGHT 24

INTEGRATED PLANNING TEAMS

- ENTERPRISE LOGISTICS
- ISR ENTERPRISE PT.1
- MLR PT.2
- C5ISRT / X-C5ISRT
- MEU PT.2
- RESERVE PT.2
- INSTITUTIONAL SAP
- INTEGRATED AIR & MISSILE DEFENSE
- LITTORAL MANEUVER
- **SYNCHRONIZATION**

- AVIATION PT.2
- COMPONENCY
- COMMUNICATIONS FORMATIONS
- SERVICE RETAINED FORCES
- NEF
- ISR ENTERPRISE PT.2
- ALL-DOMAIN C2
- MCISRE PT. 2
- SYNCHRONIZATION
- GPN
- sUAS
- ENTERPRISE LOG PT. 2

- SYNCRHONIZATION
- C2 FORMATIONS/MIG
- ENTERPRISE LOG PT 3
- AVIATION PT 3
- TOTAL FORCE STRUCTURE IPT
- 12th MLR OPT

- COLAG
- MULTI-DOMAIN MOBILITY
- AVIATION IPT 4
- 4TH MARINES (REIN) IPT

CAMPAIGN OF POMS

- **POM-23** *MATURING KILL WEBS*
- **POM-24** *SET & SUSTAIN THE STAND-IN FORCE*
- **POM-25** *QUALITY OF LIFE*
- **POM-26** *POSTURED IN OUR FIGHTING STANCE*
- **POM-27** *ACCELERATE*

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USMC IRAS EFFORTS

Today | 2025 | 2027 | 2030

Air

- **Group 3 UAS** RQ-21
- **MUX MALE** Increment I
- **MUX MALE** Increment II
- **MUM-T** TACAIR
- **MUX MALE** Next
- **ULS-A** Large
- **Ship-Capable UAS** Ancillary Omen / VBAT
- **ExTUAS** Maritime ISR
- **MR / ME** RQ-20 Puma
- **SR / SE** Quantum Vector
- **OPF-L**
- **LR / LE** Stalker
- **ULS-A FoS** Maritime Focus
- **ULS-A** Medium
- **ExTUAS** Maritime ISR
- **Micro VTOL** Vesper
- **Nano VTOL** D40 / Black Hornet
- **ULS-A** Small
- **SR / SE** Skydio / Sky Raider

Ground

- **Small Micro** Throwbot
- **Med Robot** Ghost V60
- **Med Robot** Ghost V40/V25
- **Small Nano** Bounce
- **Other Purpose** Terrestrial Snake
- **ROGUE-Fires** NMESIS
- **LUGV** Patrios
- **RCV-L**
- **UGV FoS**

Maritime

- **LEON** ROV
- **LRUSV**
- **LEON** USV
- **ALPV** USV
- **LEON** UUV
- **UUV FoS** LPV / Dive
- **LEON** AUGV

- Service Divestment
- RDT&E (S&T Effort)
- Bridging Solution
- Fielding (PoR)
- Upgrade (PoR)
- MARSOC Only
- FMF and MARSOC