DEPUTY COMMANDANT

INFORMATION

Director, IC4

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AFCEA Quantico-Potomac Luncheon

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PURPOSE AND BLUF

Purpose

Provide an update on the Network Modernization Plan Iteration one and Iteration two.

BLUF

The Network Modernization Plan Iteration two was collaboratively built across the FMF and HQMC and is much broader in scope and scale than iteration one. The Plan does the following:

1. Implements strategic guidance and direction (CPG, EABO, etc.)

2. Synchronizes network modernization initiatives; defines & measures network management disciplines, and seeks trade space to pay for modernization

The scope of change required is a generational undertaking – one that will not be completed during a single commandant's tenure.

-General Berger, Force Design 2030 Update, April 2021

THE OPERATIONAL ENVIRONMENT

Economic & Diplomatic

"The NDS states that we are now in an era of Great Power ***Competition***, with our principal challengers being China, than Russia, and that we must move away from low intensity conflict and prepare once again for high-intensity warfare."

SECDEF Esper, 15 Feb 2020 Munich

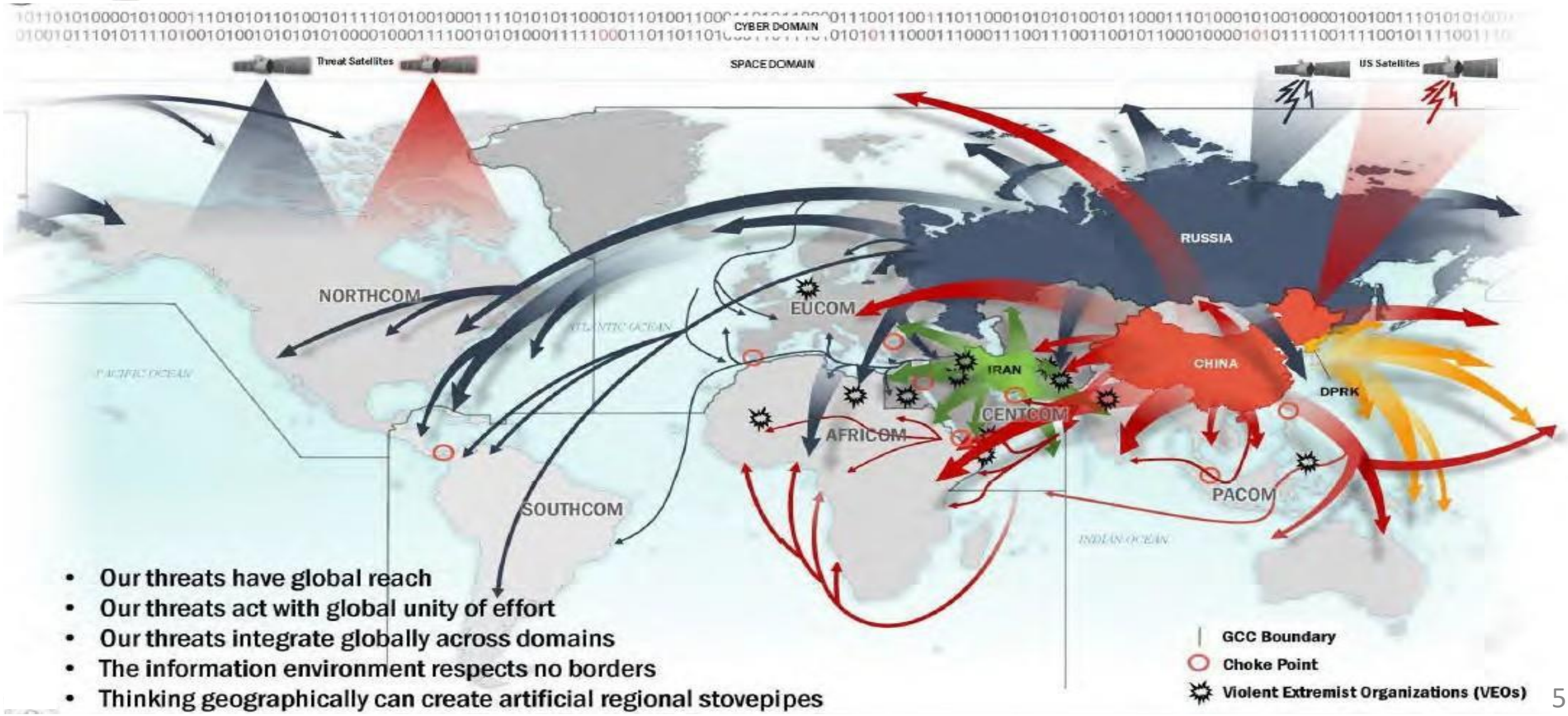
Expeditionary Operations

Anti-Access Area Denial

Naval Power

Iranian Fast Attack Swarms

OPERATIONS IN THE INFORMATION ENVIRONMENT



- Our threats have global reach
- Our threats act with global unity of effort
- Our threats integrate globally across domains
- The information environment respects no borders
- Thinking geographically can create artificial regional stovepipes

FORCE DESIGN 2030 CAPABILITIES

- Command & Control
- Communications
- Littoral Maneuver
- Fires & Effects
- Logistics
- Operations in the Information Environment

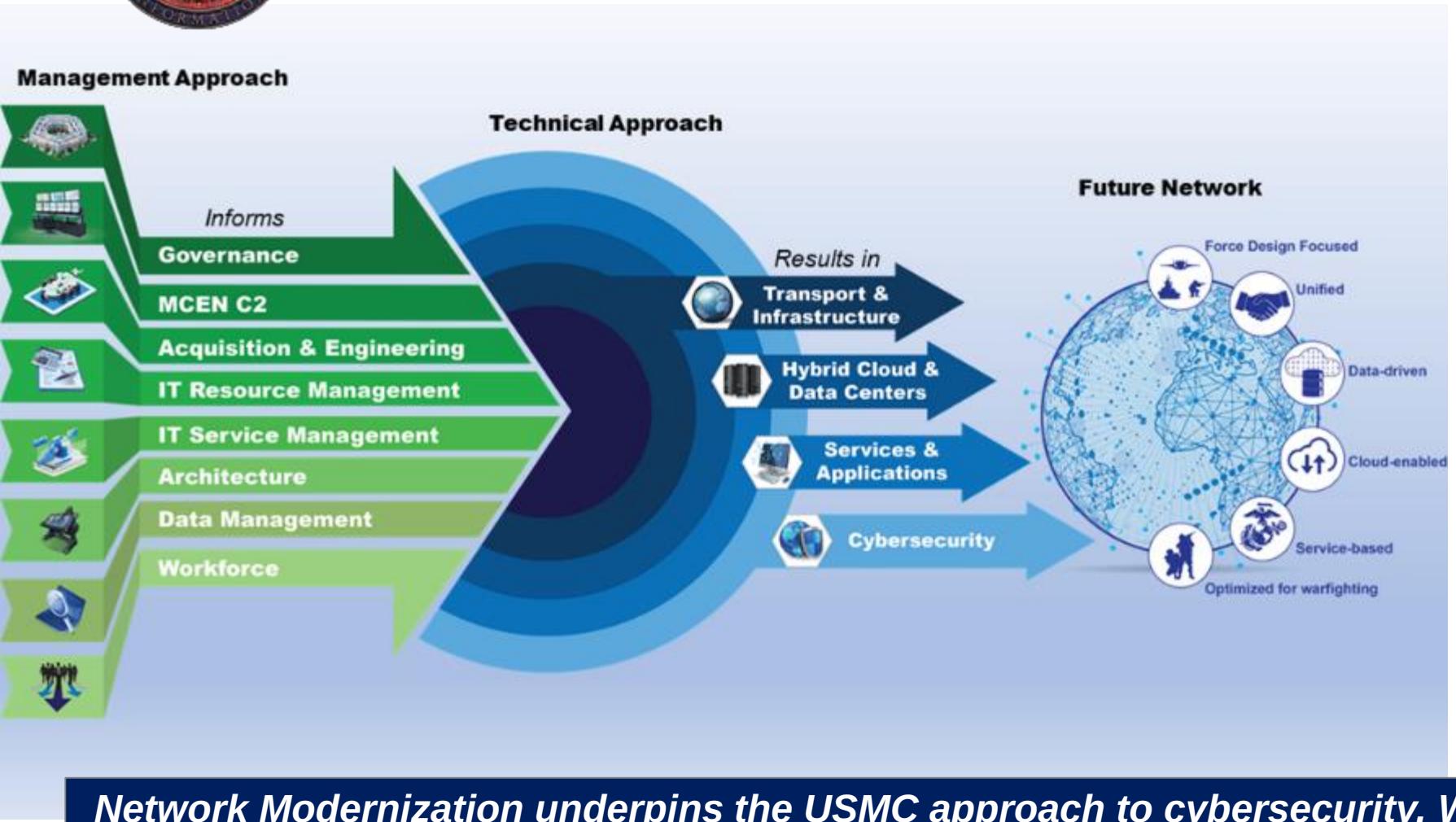
"We must transform…to meet new desired ends, and do so in full partnership with the Navy."
– General David H. Berger, 38th Commandant of the Marine Corps

FOCUS ON NAVAL INTEGRATION

- Serve as Naval Expeditionary Force in Readiness
- Respond to Global Crisis
- Prevail in Day-to-Day Competition
- Secure Key Maritime Terrain
- Contribute to Sea Control
- Enable Joint Forces Access
- Strengthen Alliances and Partnerships

"A return to our historic role in the maritime littoral will also demand greater integration with the Navy and a reaffirmation of that strategic partnership." *CMC Force Design 2030 Report*

WARFIGHTING NETWORK ENABLING FORCE DESIGN



- Threat Informed Capability Development
- Single Global Network from fighting hole to flagpole
- Single Empowered Commander
- Cloud Enabled to Enhance Rapid Tactical Killchains
- More Secure Enterprise Management Area & Support to Other Mission Areas
- Talent Management

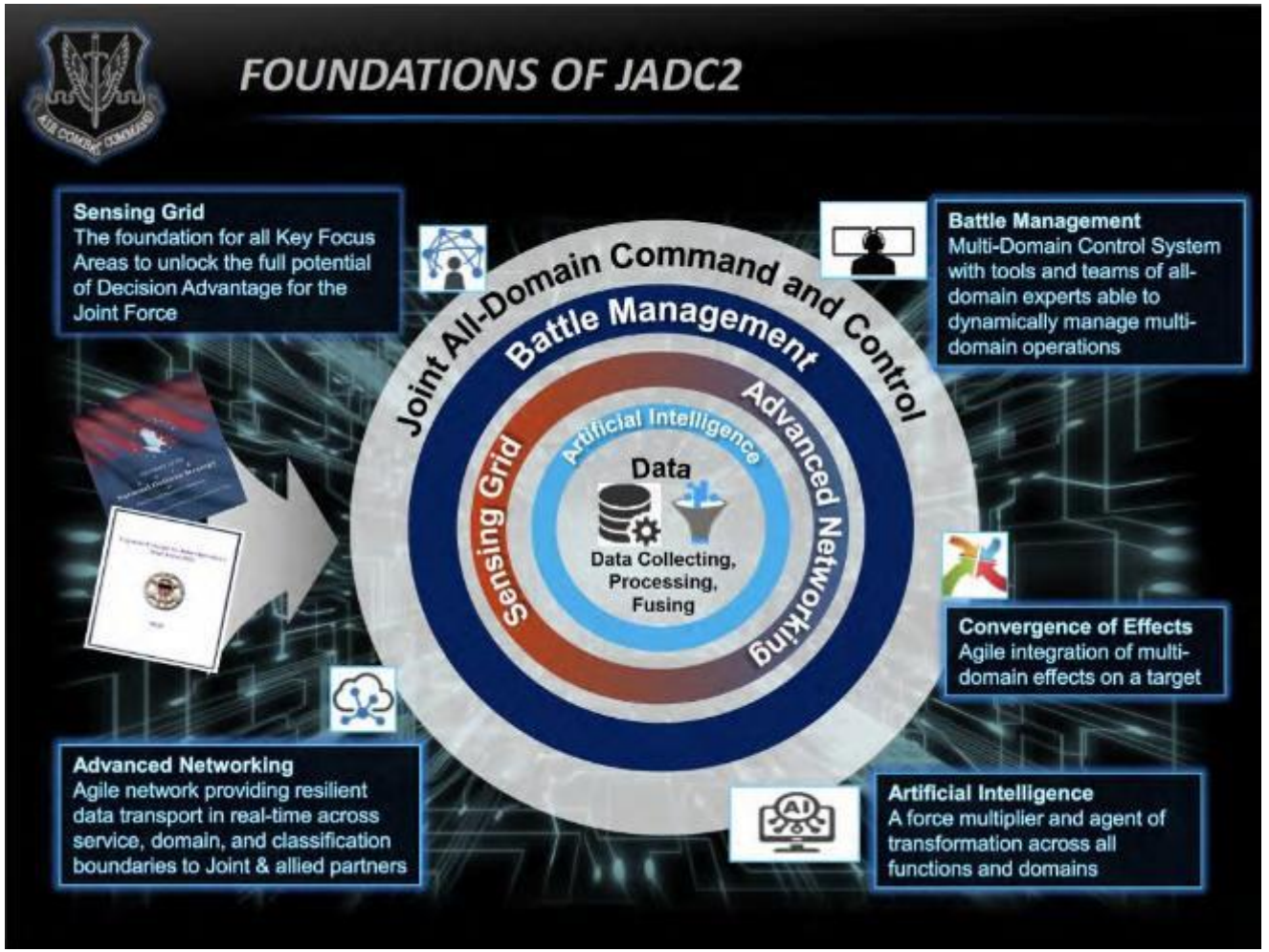
Network Modernization underpins the USMC approach to cybersecurity. We are building a resilient and secure network to support Force Design.

JADC2

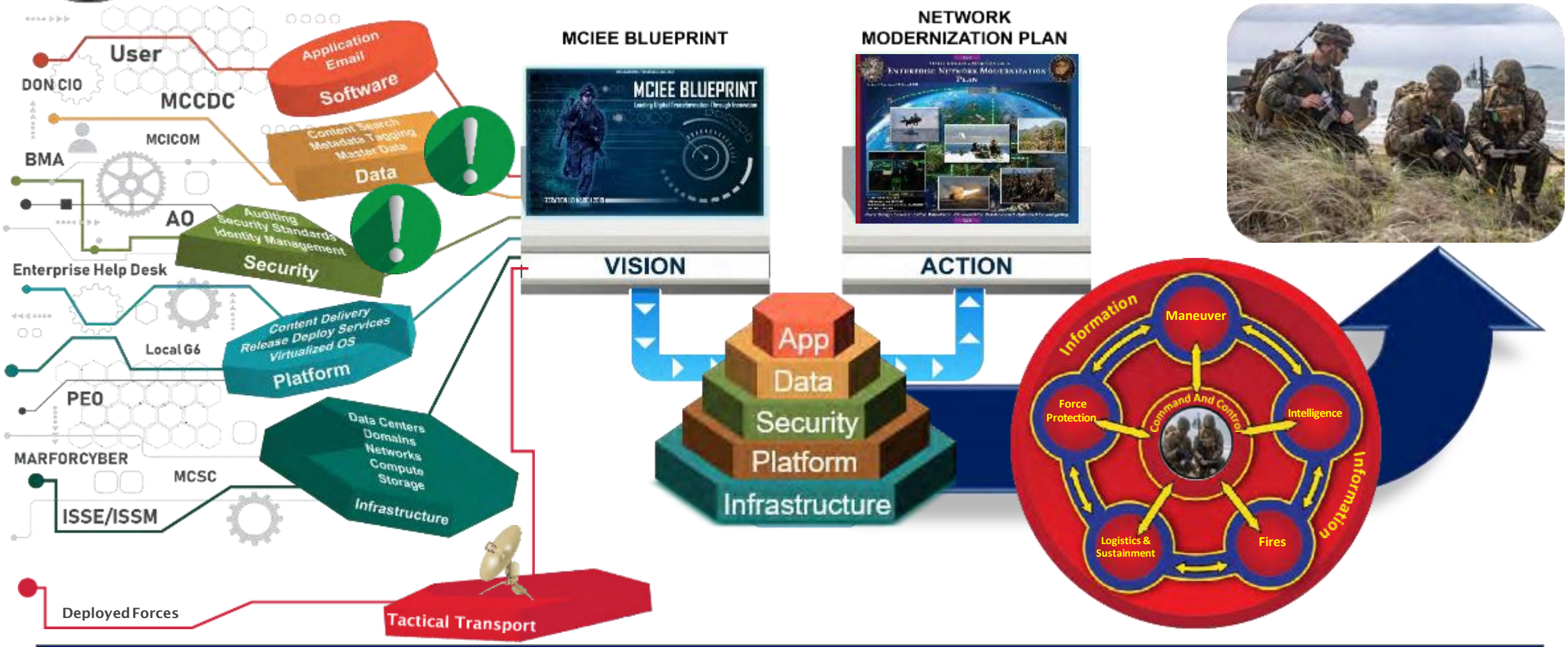
DMCEN

Naval Tactical Grid (NTG)

Project Overmatch



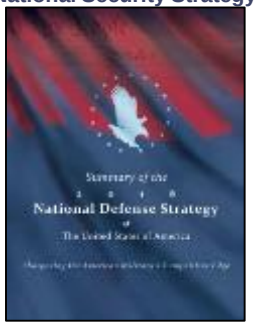
NETWORK MODERNIZATION – ENTERPRISE AT THE EDGE



Delivering modern technology and infrastructure from fighting hole to flagpole, with defense in depth starting at the tactical edge – set conditions to maneuver the network rapidly

NETWORK MODERNIZATION DRIVERS

National Security Strategy



National Defense Strategy

DoD Cyber Strategy

DoD CIO CPG

"D igital Modernization Strategy is the cornerstone for advancing our digital environment to afford the Joint Force a competitive advantage in the modern battlespace".

CMC CPG & Force Design

"provides a common direction to the Marine Corps Total Force…also serves as a road map describing where the Marine Corps is going and why;"

DON Cloud Strategy

"updated policy for the accelerated promotion, acquisition, and consumption of cloud services in the Department of the Navy (DON) in direct support of the DON ISV"

Network Modernization alignment across the Department

JADC2

Utilize "machine learning and artificial intelligence to automate access to, analysis of and sharing of data among commanders and forces in the field — in near-real time and across all domains"

DON CIO
PEO Digital / Cattle Drive

"aggressively identify, assess, and ultimately eliminate redundant systems and applications throughout the organization"

Project Overmatch / Naval Tactical Grid

"foundational networking capability that delivers exquisite information at the right time and place in a communications-contested environment."

Network Modernization underpins USMC FORCE DESIGN- THE ENEMY GETS A VOTE

SCOPE AND APPLICATION

HHQ Strategy, Guidance & Concepts

CIO CPG FY23-27

NOA/NTG/JTG/JA DC2

DC CD&I Concepts, Defense Planning Scenario & CONOPs

Required Capabilities

Task Analysis

Force Development

MROC Decision Memorandums

Informs

Informs

DC I Strategy and Planning Guidance

- Assess Execution Year accomplishments
- Develop following year Network Mod Plan guidance

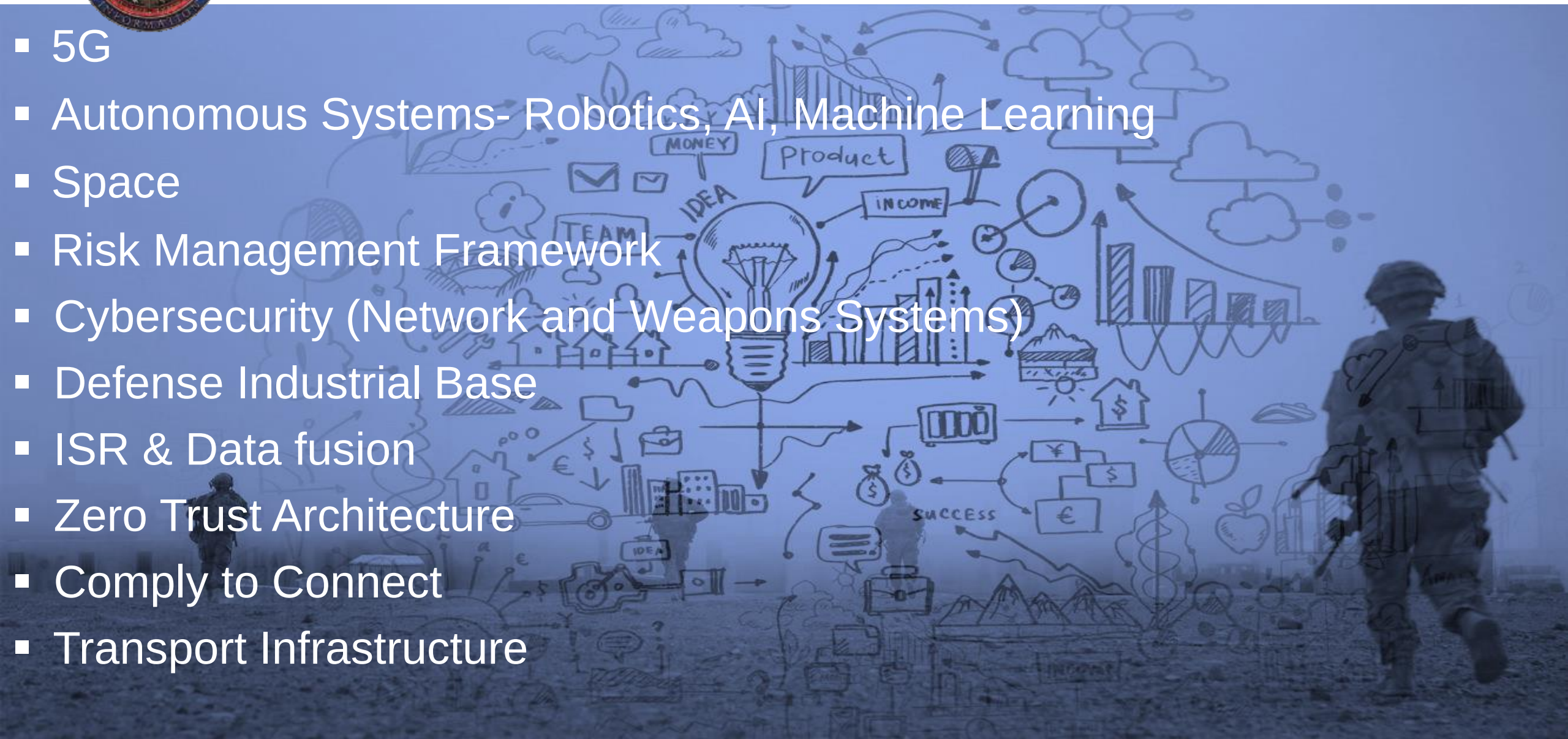
Scope and Purpose. This plan implements strategic direction and guidance *within the Marine Corps Force Development System* and *according to MROC Decision Memorandums,* which are derived from HHQ strategy, guidance, and concepts, to modernize the network in alignment with Service Strategy to develop required network capabilities

Significant MROC DM's

- PPBEA Reform
- MCEN C2 & IPEB Update & Realignment
- ARV Competitive Prototyping Approval
- GBASM ICD Approval
- LVC-TE CDD Approval

WHERE ARE WE GOING? HOW CAN INDUSTRY HELP?

- 5G
- Autonomous Systems- Robotics, AI, Machine Learning
- Space
- Risk Management Framework
- Cybersecurity (Network and Weapons Systems)
- Defense Industrial Base
- ISR & Data fusion
- Zero Trust Architecture
- Comply to Connect
- Transport Infrastructure



Questions?