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DoD Mobility

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Mobility PMO
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DoD Mobility PMO Concept

Vision: Secure, reliable and responsive infrastructure and services for the mobile users across the DoD.

Mission: The DoD Mobility Program Management Office provides enterprise capabilities and services to enable global mobility capability to support operations for joint warfighters, National level leaders and coalition partners. Our mission is to extend enterprise services to mobile devices in order to deliver a fully operational secure Mobility Enterprise Service to DoD.

Delivering mobile enterprise capabilities that securely operate and strengthen the defense of the cyber mission space

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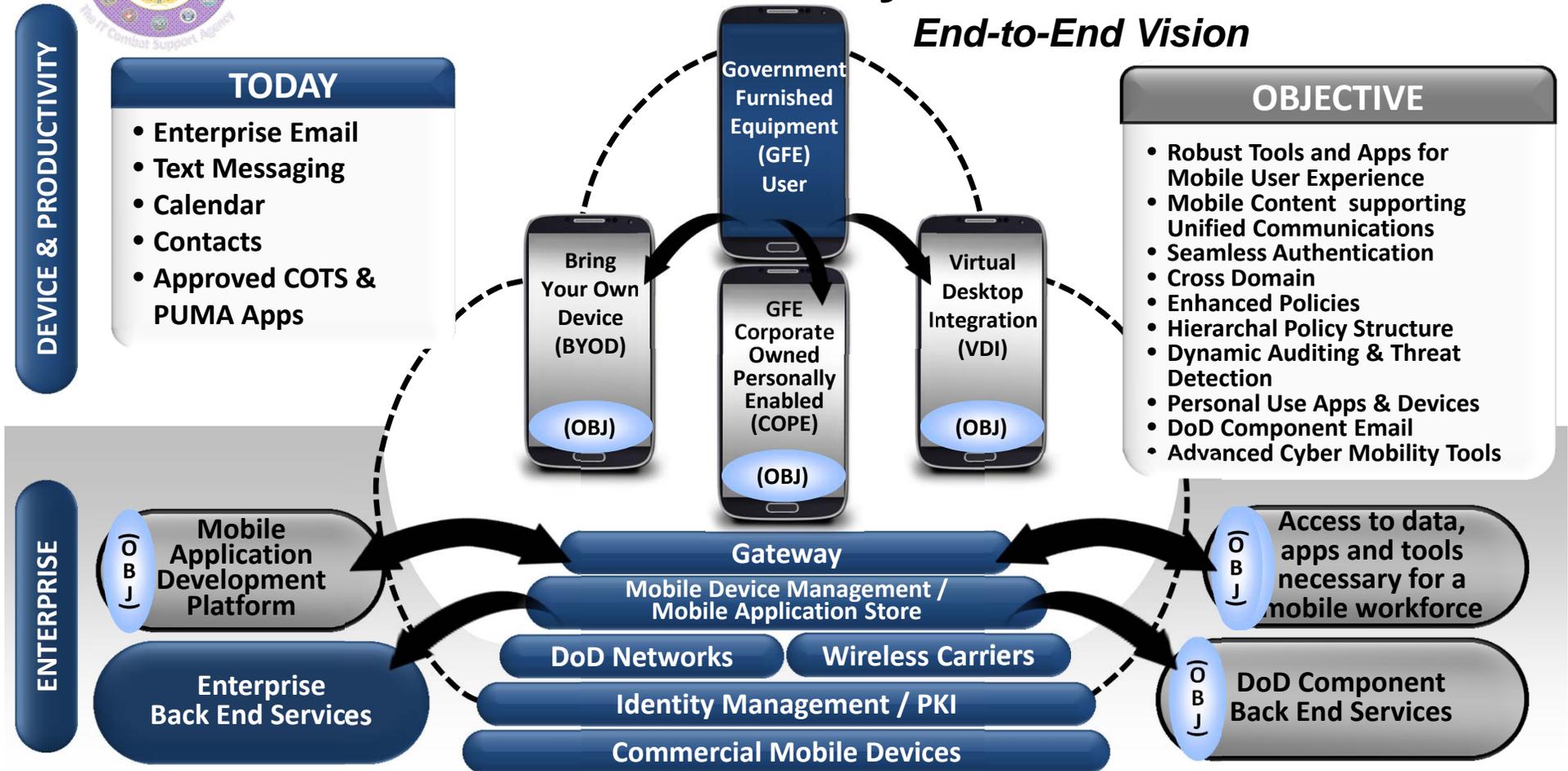
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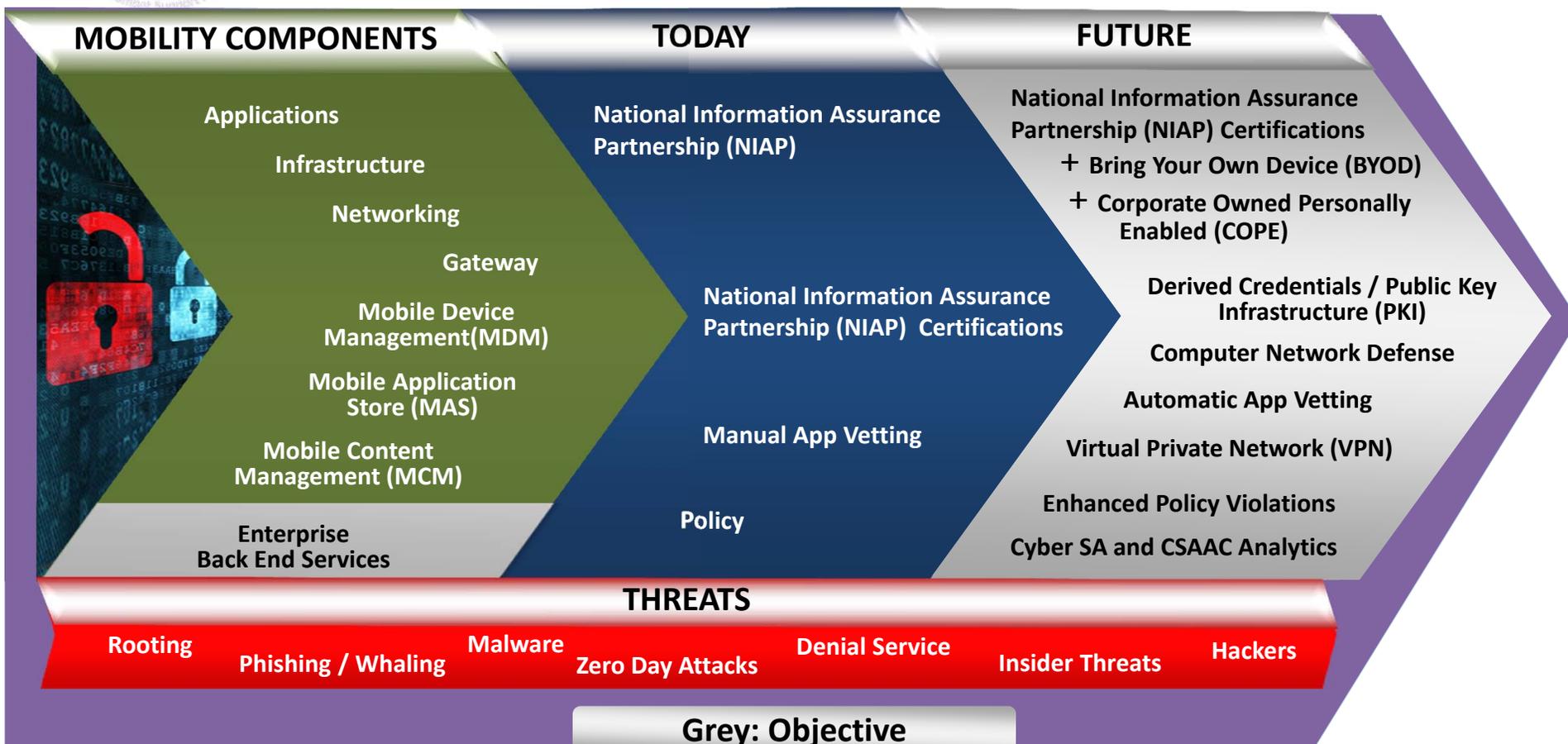
DoD Mobility PMO

End-to-End Vision



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Mobility and Security



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Mobility Portfolio Priorities

PRIORITIES: "MUST DO'S"

1. Sustain Deployed Mobility Components
 - DMCC-S 1.0 and DMCC 2.0
 - DMUC Mobile Device Manager (MDM)
 - DMUC Mobility gateways
2. DMCC-S 2.0.5
3. DMUC CAC S/MIME replacement
4. DMCC-TS 1.0 Pilot
5. User experience (voice, e-mail, chat, office, storage)

6. DMUC Mobile Content Management (MCM)
7. Limited soft cert pilot support.
8. DoD deployment of Knox 2.0 capabilities
9. Mobile app development framework
10. Sensor analytics
11. Data at rest
12. MDM Follow-on Contract
13. Ozone Mobile

Delayed Priorities:

1. Automated PKI support for devices and apps
2. GOTS/COTS mobile vetting tools
3. DMCC-S 3.0
4. Non-DEE e-mail support for DMUC users

MOBILITY CUSTOMERS

- Air Force Air National Guard (Air Force)
- Africa Command (AFRICOM)
- Army Acquisition Support Center (USAASC)
- Army Central Command (ARCENT)
- Army Criminal Investigation Command (CID)
- Army Cyber Command
- Army Europe Command (USAREUR)
- Army Forces Command (FORSCOM)
- Army Headquarters (HQDA)
- Army Installation Management Command (IMCOM)
- Army Intelligence & Security Command (INSCOM)
- Army Materiel Command (AMC)

- Army Medical Command (MEDCOM)
- Army National Guard (NG)
- Army Network Enterprise Technology Command (NETCOM)
- Army North (ARNORTH)
- Army Pacific Command (USARPAC)
- Army Reserve Command (USARC)
- Army South (ARSOUTH)
- Army Space and Missile Command (SMDC)
- Army Surface Deployment Distribution Command (SDDC)
- Army Test and Evaluation Command (ATEC) G6
- Army Training and Doctrine Command (TRADOC)

- Central Command (CENTCOM)
- Defense Health Agency (DHA)
- Europe Command (EUCOM) J6
- Joint Staff
- Navy Bureau of Medicine and Surgery (BUMED)
- Northern Command (NORTHCOM)
- Southern Command (SOUTHCOM) HQ
- Strategic Command (STRATCOM)
- Transportation Command (TRANSCOM)
- United States Army Africa (USARAF)
- Southern Europe Task Force (SETF)

Underlying priorities: program/processes/tools and enhanced ordering experience



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Secure Mobile Infrastructure

End-to-end architecture secures mobile device access to DoD enterprise services

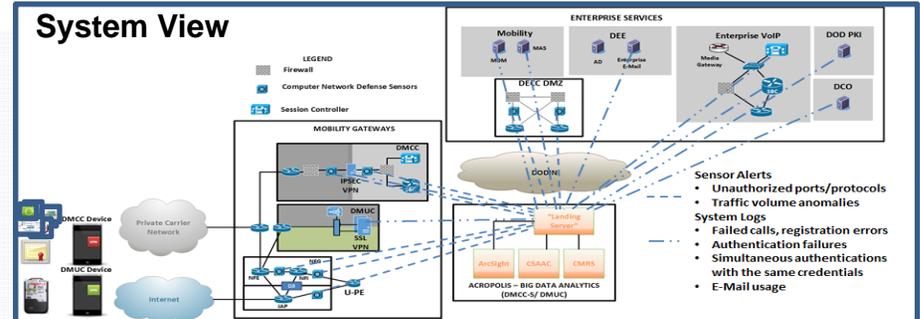


Mobile device, operating system, applications

- MDM enforced security policies
- Access only to applications vetted through DISA app vetting process

PKI Authentication

- DoD PKI certificates authenticate users to enterprise services (user certificates, CAC cards)



Mobility Gateways

- Secure access to DODIN through VPNs and private carrier networks
- Integrated at the Internet Access Points (IAPs) to leverage enterprise Computer Network Defense

Big Data Analytics

- Custom based alerting developed specifically for mobile devices
- Logs collected from disparate systems and sensors are aggregated and correlated to detect and alert to anomalous mobile device activity

DODIN

Landing Server

ArcSight **CSAAC**

ACROPOLIS - BIG DATA ANALYTICS (DMCC-S / DMUC)

Operating system security, strong authentication, secure remote access, and continuous monitoring are the keys to successful mobile security

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DMCC-S R2.0



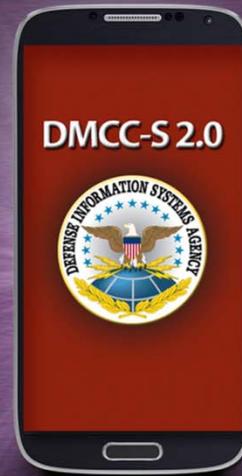
The New Generation of DoD Secure Mobile Communications

DEVICE BASICS

- Samsung Galaxy Commercial Smartphone
- Quality super-AMOLED screen
- 5-inch, 1080-pixel display
- Extensive memory storage
- Strong battery life and processor
- Approved and integrated components with National Information Assurance Partnership (NIAP)

ADVANTAGES

- Delivered in partnership with the National Security Agency (NSA)
- Compliant with NSA's Commercial Solutions for Classified (CSfC) process
- Secure voice and web-browsing
- Outlook Web Application (OWA) capability for SIPR access
- Mobile Device Management (MDM) and policy enforcement
- Supporting service desk
- Constantly evolving capabilities to meet user requirement



DISA

Defense Information Systems Agency
The IT Combat Support Agency

CAPABILITIES

- Provides SECRET (DMCC-S) mobile access to select DoD voice and data networks capabilities.
- Replaces the Secure Mobile Environment Portable Electronic Device (SME PED) and DMCC-S 1.0 supported mobile devices.
- Provides enhanced graphics and email experience through the new Integrated Commercial Solution (ICS) device.

SECURITY OVERVIEW

- Phone calls securely placed through Cellcrypt
- Embedded FIPS IPsec Virtual Private Network (VPN) accessible through native Samsung VPN client
- Pre-loaded items managed through Quark Security Shield for streamlined, user-friendly interface
- Data-in-transit protection
- Device wipe capability

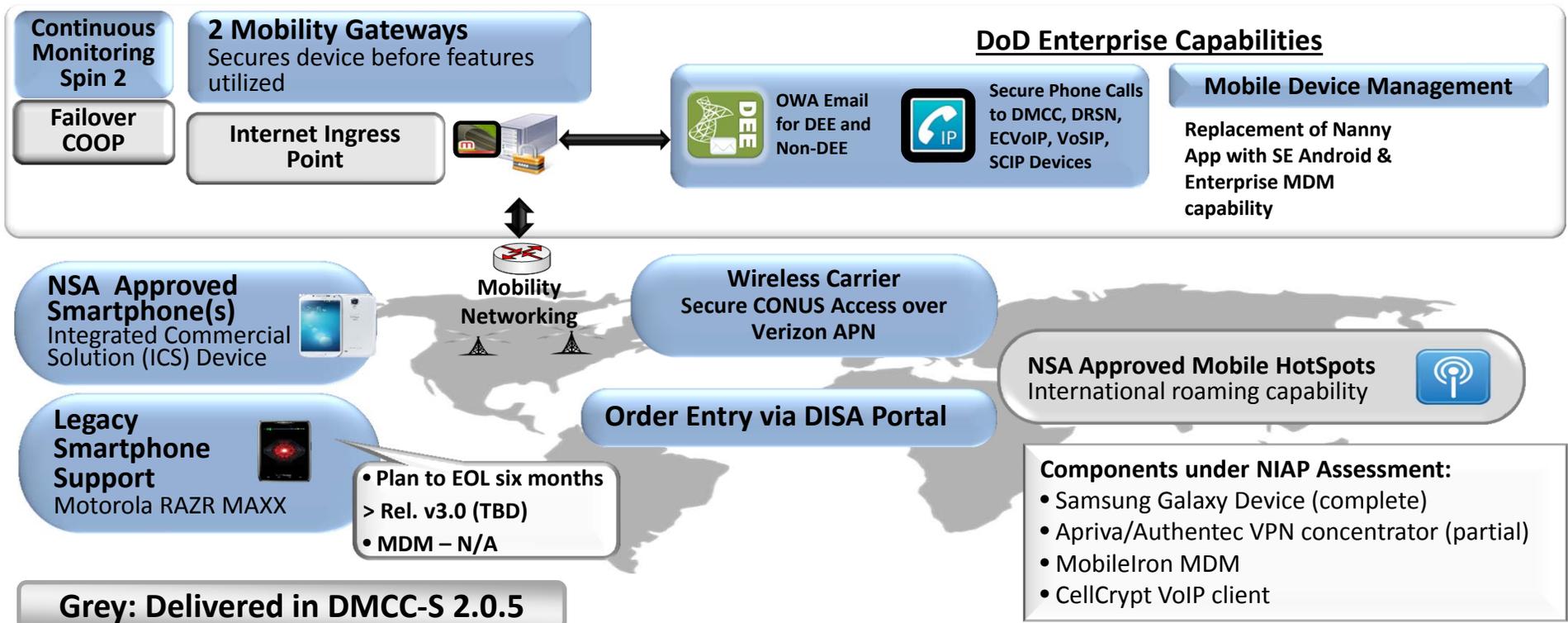
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DMCC-S R2.0.5 – May 2015

Full Deployment View

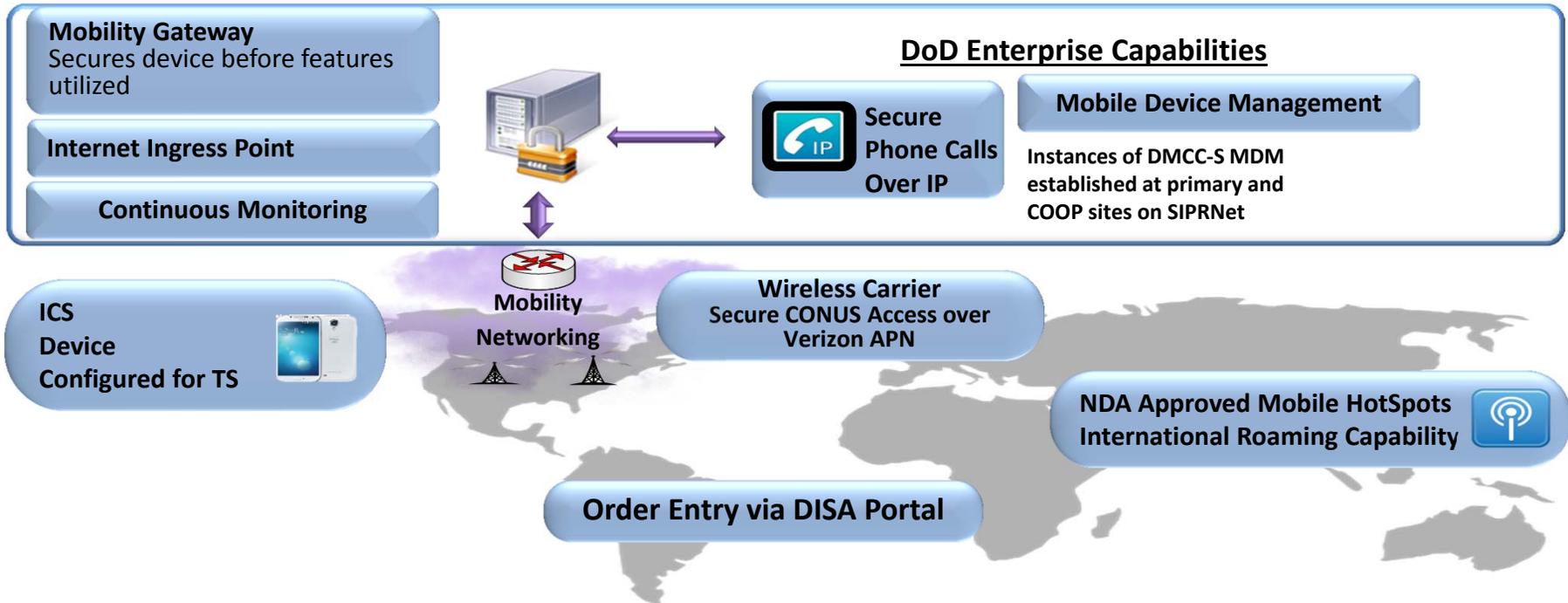


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DMCC-TS R.1.0 Pilot Capabilities

Objective State: Deliver initial pilot voice capability and posture for SCI in future releases



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Pace of Mobility



- *What is the best way to deliver for mobile?*
- *How should we engage and utilize vendor expertise?*
- *What should the driving policies (new STIGs/SRGs, etc.) be for mobility?*
- *How do we integrate commercial time to market with DoD processes?*

INFRASTRUCTURE

APPLICATIONS

MDM/MAS

CAC READERS

CARRIERS

EQUIPMENT

- **Rapidly evolving technology**
 - Reacting to release of new HW/SW
 - New cyber threats
 - Integration across vendor technology
- **Developing mobile policies & business processes**
- **Meeting wide range of DoD mission requirements**

- **PMO re-looking the way mobility is being delivered (what & how)**
- **How does DoD leverage commercial mobile best practices and technology?**

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