



Increasing Operational Readiness with Multidomain Modeling, Simulation & Analytics at U.S. European Command

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Overall Classification: **UNCLASSIFIED**



Advance USEUCOM theater readiness by enabling joint, combined, and partner forces to leverage all-domain training and exercises to increase interoperability, enhance integrated deterrence, and generate capability to conduct OPLAN-informed theater rehearsals

- **Pacing and near-peer adversaries with advanced technological capabilities**
- **Highly-contested conflict environment across all domains**
- **Insufficient interoperability with U.S. service components, allies, and partners**



Strategic guidance documents published by the DoW, NATO, and USEUCOM guide priorities

HOW

Ranges & Training Areas

EMTEC aligns existing mission partners

And more...

EMTEC will **advance theater readiness** for high-intensity conflict and improve joint and combined **decision superiority**



EMTEC is Lead
Coordinator and
Manager for EUCOM
Models & Sims



M&S Lead

- **Portfolio Awareness**
- **Identify Gaps**
- **Inform Procurement**
- **Facilitate Interoperability**
- **Enable Use**





EMTEC MS&A Objectives



Tools & Technologies



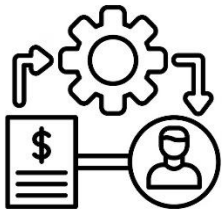
- **Assess and integrate** advanced tools and technologies to ensure theater level Modeling, Simulation & Analytics (MS&A) capabilities are accessible while providing the best achievable results

Theater Integration



- Employ best MS&A results to **answer key readiness questions** for the European Theater
- MS&A **provides quantitative data** to inform Plans, Operations, Intel, Exercises, Assessments, Advanced Tech, and more
- Work MS&A projects **collaboratively** with shared objectives
- Share projects, data, models, results and lessons learned in a **common repository**

Strategy & Organization



- Mature theater-level MS&A capabilities, including **people and processes**
- Theater-level **advocacy** to address common **MS&A gaps** across the European Theater and beyond



EMTEC MS&A Achievements: 2026



Tools & Technologies



- Deployed **MS&A tools** on SECRET and TOP SECRET networks
- Established **repositories** on SECRET and TOP SECRET networks to share data/models with components
- Used **Maven Smart Systems** as a visualization tool for Modeling and Simulation results

Theater Integration



- Led first in-person **theater coordination summit for MS&A** with components and other U.S. stakeholders in July
- Conduct a **monthly Battle Rhythm Event** with components and staff to share progress and processes

Strategy & Organization



- Solidified EUCOM **MS&A processes**
- Secured **funding**, established **in-house** capabilities

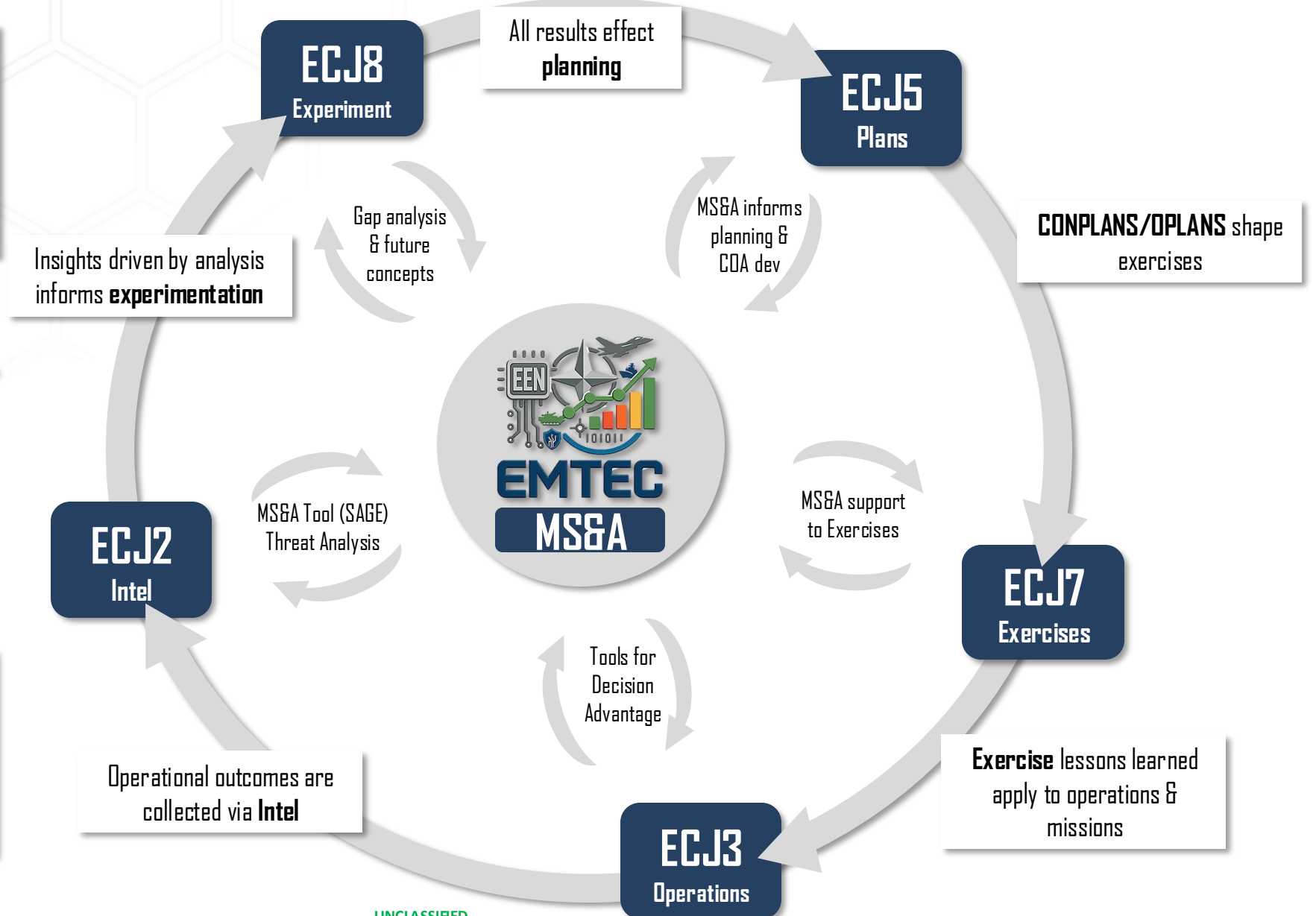


EMTEC MS&A Ecosystem

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*EMTEC accelerates
this USEUCOM Staff
cycle*



MS&A Identifies:

1. **Gaps** in planning
2. **Opportunities** for realistic training
3. **Shortfalls** in readiness
4. **Changes** in the Ops Environment

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Live-Virtual-Constructive (LVC)



- Actively engaged in **NATO Distributed Synthetic Training Working Group**
- Expanding the LVC program to support this ***NATO High Visibility Project***
- Supported USEUCOM Staff with subject matter expertise for **STEADFAST DUEL** planning



Questions for the Audience



1. *What Modeling and Simulation interoperability challenges are most pressing?*



2. *What data sets are most challenging to access?*

3. *What software and hardware gaps inhibit your work?*