MITRE | SOLVING PROBLEMS FOR A SAFER WORLD



CONTESTED LOGISTICS
SET THE THEATER

Set the Theater ensures that all capabilities required to support the warfighter are in place prior to the start of conflict.

Complexities of Setting the Theater

- Ability to quickly deploy forces and equipment to meet operational requirements
- Operating with partner nations to enhance agile distribution systems and lifting capabilities
- Short-notice, high-intensity operations across dispersed locations for extended periods
- Integrated base defense for base and runway recovery and repair

MITRE is uniquely positioned to provide insights, methods, and recommendations to enhance logistics readiness and decision-making capabilities for the United States Indo-Pacific Command, focusing on contested logistics and its impact on warfighting missions.

> "All our operations are underwritten by logistics… our ability to rapidly move people and supplies is one of our defining capabilities and logistics sustains our ability to project power"

Hon Frank Kendall, SecAF '22

MITRE Approach

- Understand impacts on current operational objectives and Time Phased Force Deployment Data (TPFDD) flows based on threat analysis (CONUS/OCONUS) to determine number of days of support required for pre-positioned assets.
- Analyze TPFDD asset flow from base of origin to theater final destination, overlay red threat analysis across TPFDD nodes to determine potential delays and timeframes.
- Analysis will determine right size for Readiness Spares Packages as well as identify the number of days of pre-positioned spares required.

Modeling Methodology

MITRE will assess multi-modal attacks to provide a data-driven understanding of the impact of disruptions on force projection within a contested environment across CONUS and OCONUS.

Expected Outcomes

- Identify potential risks across the TPFDD
- Determine impacts to operational plan mission generation
- Recommendations for mitigating risks to operational plan execution

To learn more about MITRE's Contested Logistics Initiatives, please contact: contested_logistics@mitre.org

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Provide the right materiel at the time and place required to support the unit of action and scheme of maneuver

MITRE's mission-driven teams are dedicated to solving problems for a safer world. Through our public-private partnerships and federally funded R&D centers, we work across government and in partnership with industry to tackle challenges to the safety, stability, and well-being of our nation.

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