

ABRA

AGILE BASING AND RESOURCE ALLOCATION

Joint Forces do not have the insights required to quickly understand the logistical implications necessary to facilitate rapid and agile operational movements for Agile Combat Employment.

ABRA is a decision-support tool to help plan for maneuver and execute dynamic logistics operations

- Enables disperse, defend, and move to survive and sustain combat power generation against pacing adversary
- Provides optimal resource allocation
- Minimizes time needed and shipment scheduling
- Improves basing decisions and mission requirements

North Star: Joint logistics operations planning tool that leverages real-time data feeds and supports key logistics decisions.



ABRA informed logistics planning in real world conflict – shortened logistics planning from 55 hours to less than 1 hour.

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ABRA Applied

- Quantified logistics impact for Headquarters Air Force, Logistics, Engineering and Force Protection during 2022 Combat Support Rehearsal of Concept Drill by assessing incremental transport fleet size and base capability adjustments.
- Quickly analyzed changes in aircraft availability and supply delivery, improving response time from days to minutes during an Agile Combat Employment (ACE) Capstone event.
- ABRA proved itself in an operational context to be able to quantify the 'costs' associated with ACE maneuvers in accelerated timelines at Northern Edge '23.

User Feedback

> "What [log planners] took months to plan out, ABRA did in 14 seconds"

***Installation Deployment Officer**, (referring to ~20 minutes total ABRA process time to clean data, ingest data, and output results)*

> "This could be a system to help build force flow worksheets," and, "this is a very helpful tool, especially when doing ACE"

Group Deployment Manager

> "Intuitive and very interesting"

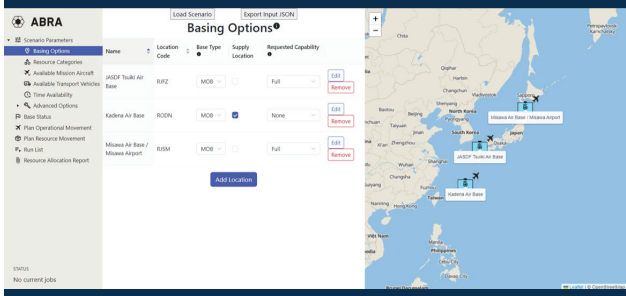
Installation Reception Officer

To learn more about MITRE's Contested Logistics Initiatives, please contact:
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A portion of the cargo for a planned ACE movement at Northern Edge '23



ABRA's point-and-click interface makes quick work of scenario planning

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