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JOCTAK, Joint Operations Center Tactical Assault Kit

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Background, Research Question

- *The Joint Operations Center Tactical Assault Kit (JOCTAK), is a windows-based software program that allows enhanced mission command. Its ability to aggregate and display the various data and information streams in a JOC allows flattened communications with the operational headquarters and interdepartmental interagency organizations .*
- *Over the last several years TAKs use by USSOF and Inter Agency partners has continued to expand at an accelerated rate.*
- *TAK does not currently act as a mission command system above the tactical level.*
- *Research Question: How can JOCTAK improve the collective planning, mission command, and digital collaboration between JIIM partners? What are the necessary components and designs for JOCTAK Situational Awareness Templates and Planning Knowledge Management in a multi-domain battle (MDB) environment?*

Results

- The development of mission command software is a long, multiple capstone process which has to be done in sequences by several capstone teams.
- Our Capstone identified and tested multiple CWMD sensor feeds and their interoperability with the TAK infrastructure. This will allow for prioritization of other sensor and data feed programming as the system sequentially progresses.

The “So What”

- JOCTAK provides an agile real-time JIIM mission command and planning tool to all involved government entities.
- TAK will be fielded to all SOCOM units after field experimentation of the latest SOMPE Software.



Joint Operations Center

Research Design

- *JOCTAK aggregates data and information into a comprehensive mission command system facilitating communications with both ground elements and JIIM stakeholders.*
- *JOCTAK was developed using Design Thinking Methodologies.*

ADAPT team held weekly design sessions in person, via VTC, and telephonically for 6 months to further develop JOCTAK



ATAK in a Tactical Environment

Next Steps

- Continue development of WINTAK user interface
- Continue developing interoperability with common use systems and TAK infrastructure
- Utilize JOCTAK during SOF exercises and incorporate feedback into future versions.



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