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## **Improving Efficiency of Sustainment Operations for PM Cargo**

**Aaron Fonner, Steven Johnson, Matthew Whitcomb, and John Wick**

Department of Systems Engineering, United States Military Academy

Corresponding author's Email: [aaron.fonner@usma.edu](mailto:aaron.fonner@usma.edu)

**Author Note:** Cadets Fonner, Johnson, Whitcomb, and Wick are members of the Department of Systems Engineering at the United States Military Academy. This research is part of a senior capstone project in support of the Project Office for Cargo Helicopters for the U.S. Army under the guidance of Colonel Dan McCarthy.

**Abstract:** The Project Office for Cargo Helicopters (PM Cargo) has created an integrated product team (IPT) to bring various organizations together to identify and discuss issues, share information/data, and attempt to develop solutions to sustainment challenges. This research develops a framework for the IPT in an effort to better manage the work processes of the team and standardize data analysis to support decision-making, while developing a network that conveys the shared responsibility of the organizations involved in PM Cargo sustainment operations. Using the systems decision process (SDP), a collaborative, iterative, and value-based decision process, this study develops an IPT framework and data analysis process that will allow the PM Cargo team to conduct sustainment operations more efficiently in support of U.S. Army Aviation.

*Keywords:* PM Cargo, Sustainment, Network Analysis, Integrated Product Team