



POSTER DESCRIPTION SHEET

Title: Multi-Platform Thinking: Knowledge Integration in the Lean Enterprise

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Summary

Description: Doctoral research on knowledge integration mechanisms and best practices in aerospace multi-program enterprises.

Key Points:

- 1) Identification of cross-platform knowledge integration mechanisms
- 2) Implications for evolving key dynamic capabilities for the enterprise
- 3) Identification of policy enablers/barriers affecting knowledge integration

Linkage with

Research: This poster describes research about knowledge integration in a multi-platform enterprise context. The research will identify mechanisms and best practices for integrating knowledge about modern avionics systems across programs and with suppliers in large-scale multi-program enterprises in the defense aerospace industry. The research approach is to focus on knowledge integration mechanisms that will evolve key dynamic enterprise capabilities for development of fourth-generation modular avionics systems, such as an “open systems” design capability, in order to meet industry imperatives for more affordable and interoperable systems. The expected findings from this research will inform knowledge management initiatives in practice through a conceptual framework for knowledge integration between programs and with suppliers. The research will also identify policy enablers / barriers affecting knowledge integration in this context.