





Strategy Alignment & Deployment through Enterprise Change Capabilities

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37 colleges and universities in the U.S., UK, and Mexico make up LAI's Educational Network

Airframe

Bell Helicopter Textron Boeing Integrated Defense Systems Boeing Commercial Airplanes Lockheed Martin Aeronautics Company Sikorsky Aircraft (UTC)

MIT

Engineering Systems Division Aeronautics & Astronautics Mechanical Engineering Sloan School of Management

Other Participants

IAM AIA DAU IDA International Collaborations: Linköping University Warwick, Bath, Cranfield Nottingham Universities

Propulsion/Systems

Rolls Royce (N.A.) Pratt & Whitney (UTC) Hamilton Sundstrand (UTC) Curtiss-Wright Flight Systems Harris Government Comm.

US Air Force

SAF/AQ Aeronautical Systems Center Air Force Research Laboratory (Materials and Manufacturing Directorate) Space and Missile Systems Center (SMC) Electronic Systems Center SPOs: F-22, C-17

Other Government

DCMA NASA NAVAIR AMCOM OUSD(AT&L) NRO



Enterprise Challenge

- Adapting to ever-changing external environments
- Managing increasing technological complexity
- Coordinating across multiple stakeholders and interfaces
- Working through collaborative networked enterprises





Understanding Lean + Enterprise + Change





... evolving from lean initiatives



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Enterprise Value Stream Analysis

A portrayal of the relationships of the enterprise with its external environment and the general ordering and integration of high-level internal enterprise processes





Developed in MIT's Lean Enterprise course and deployed at: Ogden ALC, Tinker ALC, Warner Robins ALC, Joint AFMC & SAF/AQ Future of Acquisition Team, Space and Missile Systems Center

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Limitations of Planned Organizational Change

Multi-organization enterprise form:

• New organizational forms correlate with high performance

- Enterprises are:
 - Poly-centric
 - Multiple relationships
 - Loosely coupled





Challenges of Enterprise Change



- There are different assumptions about change and context
- We can not assume that we can bootstrap past knowledge
- We need a change theory developed in an enterprise context



A approach to Enterprise Change requires...

- Identification recognition of the system and network
 - you can not engage and improve what you do not identify
- **Directiveness** Providing direction, order, and alignment
 - you can not "organize" a mess
- **Crossing boundaries** work across units and organizations
 - Demonstrate gains to inspire action in others
 - Set and manage boundaries through standards and plans
 - Power and politics within organizations are learnings' enemies
- **Developing performance** within and then across
 - A potential worse-before-better dynamic requires
 - Intergenerational and strong distributed leadership to sustain

Note: These enterprise change propositions are contrary to current organizational change practices of relaxing central control, encouraging countless initiatives, and focusing internally.



Capabilities for Enterprise Lean Change

Capabilities are:

- resources, talents, and abilities of an organization and its people
- that have the potential for development and use, and in their use,
- create expected outcomes while further developing themselves



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