

Merging Lean and Six Sigma Programs to Realize Enterprise Excellence

LAI Annual Conference, Baltimore, Maryland Dr. George Roth, Chair Massachusetts Institute of Technology April 1, 2009



Merging Lean & Six Sigma Programs Agenda

These materials spans two breakout sessions:

1:30 to 3:15: Presentations

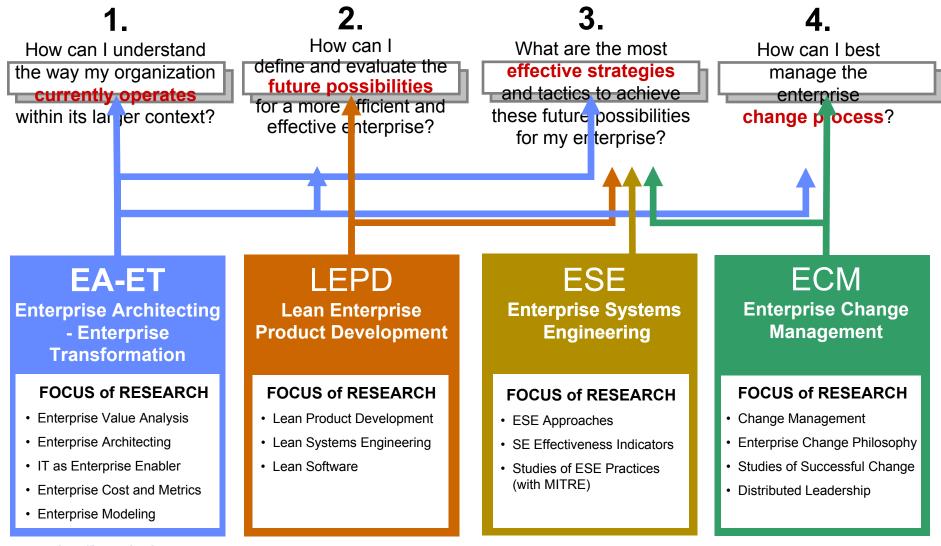
- Overview and framing (5 min)
- Company program updates (10 min ea.)
 - History time line of the LSS program, corporate program design (methods, staff, training, certification, resources, assessment), and linkage(s) to corporate strategy
 - Deployment illustration (mini case that illustrates program in its results)

3:45 to 5:30: Q & A Panel

8:00		
8:30		
9:00		
9:30		General Session I
10:00		with Keynote
10:30		Speakers
11:00		
11:30		
12:00		
12:30		Lunch
1:00		
1:30		Brookeut
2:00		Breakout Session I
2:30		(3-4 Tracks)
3:00		
3:30		Break
4:00		Breakout
4:30		Session II
5:00		(3-4 Tracks)



LAI Research Agenda: Groups Address Grand Questions



http://lean.mit.edu



Lean Enterprise Change

Raytheon & Paveway

Warner Robins ALC

Rockwell Collins

Letterkenny Army Depot

inance cas

Research on Lean Enterprise Research on Lean Enterprise Research on Change

... capabilities in each of the following areas

1. Rethinking organizational boundaries

 Long-term system view that includes relationships across units and with suppliers and customers as a common value stream

2. Installing sets of innovations

Complementarities of changes beyond process improvement

3. Pulling and pushing change

 Based on deeper cultural assumptions that enable a virtuous learning process within a "community of scientists"

4. Seeking growth opportunities

The positive vision for continual renewal

5. Distributing leadership

Interdependent roles in a system of leadership

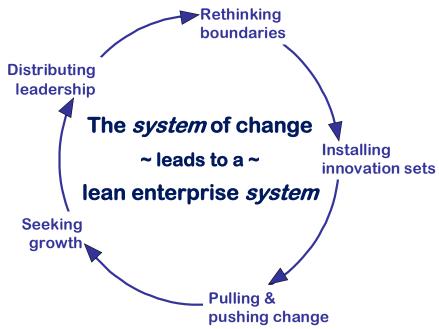
Calling these the "five capabilities for enterprise change"



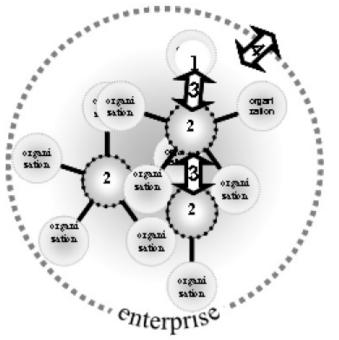
Capabilities for Enterprise Lean Change

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



Examining Enterprise Improvement & Change



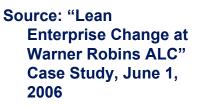


Figure 3 Levels of Analysis for Lean Multi-enterprise Change

Multi-enterprise change requires attention to four levels:

- 1) efforts and results in the local organization,
- 2) integrity and coherence of local organization efforts with enterprise changes,
- 3) alignment of local to enterprise efforts, and
- 4) accommodation of external factors found in the broader environment.

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1:30 to 3:15: Presentations





3:45 to 5:30: Q & A with panel Merging Lean and Six Sigma Programs

Q & A process:

- Start with submitted questions
- Open to audience
- Closing comments from panel (starting @ 5:15)

