

**Lean
Aerospace
Initiative**



**LESAT Facilitator's
Workshop**

Using the LESAT Calculator
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- **What is the LESAT Calculator?**
- **Why is the LESAT Calculator needed?**
- **Electronic workbook and data formats**
- **Ability to re-order and analyze data**
- **Walk-through example**
- **Questions**

- **Excel Workbook**
- **Programmed for some automated tasks**
- **Enter LESAT data (current and desired states)**
- **Review results and manipulate for analysis**
- **Available from**
 - **<http://web.mit.edu/lean>**
 - **Products**
 - **LESAT**

- **Duplication of data collection and analysis efforts in industry = wasted time (MUDA)**
- **Automate tasks that add no value (creating and programming the data analysis tool)**
- **Allow more time for discussion and review of the analysis results**
- **Permit real-time LESAT data collection and review**
- **Ability for companies to tailor personal analysis representation**

- **Workbook (7 sections currently)**
 - **Data entry sheet**
 - **Calculator sheet**
 - **Current State summary**
 - **Desired State Summary**
 - **Gap Summary**
 - **Section X.X Averages**
 - **Graphs**

SECTION 1 - LEAN TRANSFORMATION/LEADERSHIP

		RESPONDENT/GROUP NUMBER																				
TTL LINK	Lean Practice		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
I.A Enterprise strategic planning	I.A.1. Integration of lean in strategic planning process	Current																				
		Desired																				
	I.A.2. Focus on customer value	Current																				
		Desired																				
	I.A.3. Leveraging the extended enterprise	Current																				
		Desired																				
I.B Adopt Lean Paradigm	I.B.1. Learning and education in 'lean' for enterprise leaders	Current																				
		Desired																				
	I.B.2. Senior management commitment	Current																				
		Desired																				

SECTION 1 - LEAN TRANSFORMATION/LEADERSHIP

		TALLYS								
TTL LINK	Lean Practice	State	Mean	Variance	Range	Level 1	Level 2	Level 3	Level 4	Level 5
I.A Enterprise strategic planning	I.A.1. Integration of lean in strategic planning process	Current	0.0	0.0	0.0	0	0	0	0	0
		Desired	0.0	0.0	0.0	0	0	0	0	0
		Gap	0.0	0.0	0.0	0	0	0	0	0
	I.A.2. Focus on customer value	Current	0.0	0.0	0.0	0	0	0	0	0
		Desired	0.0	0.0	0.0	0	0	0	0	0
		Gap	0.0	0.0	0.0	0	0	0	0	0
	I.A.3. Leveraging the extended enterprise	Current	0.0	0.0	0.0	0	0	0	0	0
		Desired	0.0	0.0	0.0	0	0	0	0	0
		Gap	0.0	0.0	0.0	0	0	0	0	0

Current State - Overall LESAT Score											
	Mean	Variance	Range								
Current	0.0	0.0	0.0								
CURRENT STATE - LESAT Section Scores											
Section I - Lean				Section II - Life Cycle Processes				Section III - Enabling			
	Mean	Variance	Range		Mean	Variance	Range		Mean	Variance	Range
Current	0.0	0.0	0.0	Current	0.0	0.0	0.0	Current	0.0	0.0	0.0

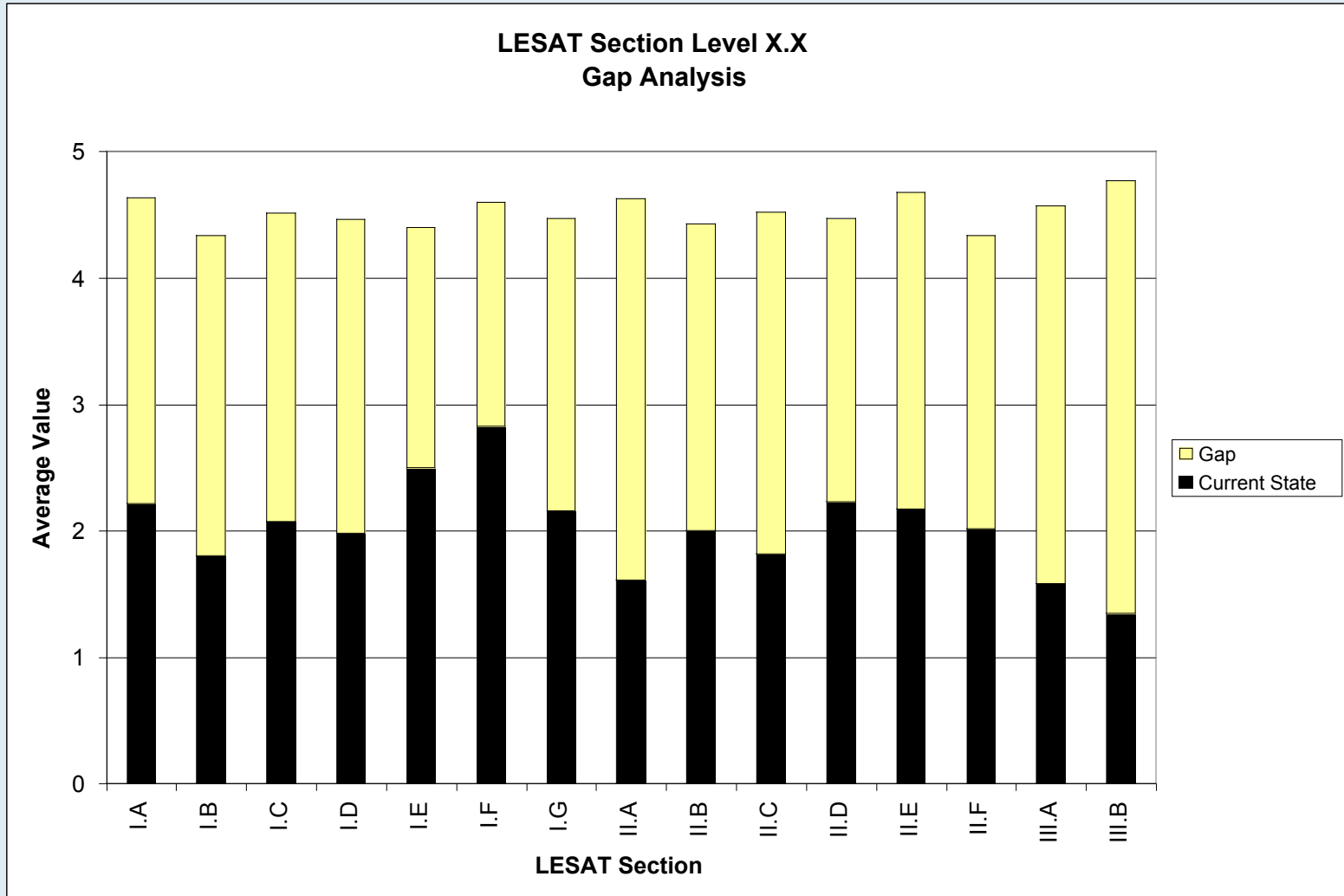
SECTION 1 - LEAN TRANSFORMATION/LEADERSHIP

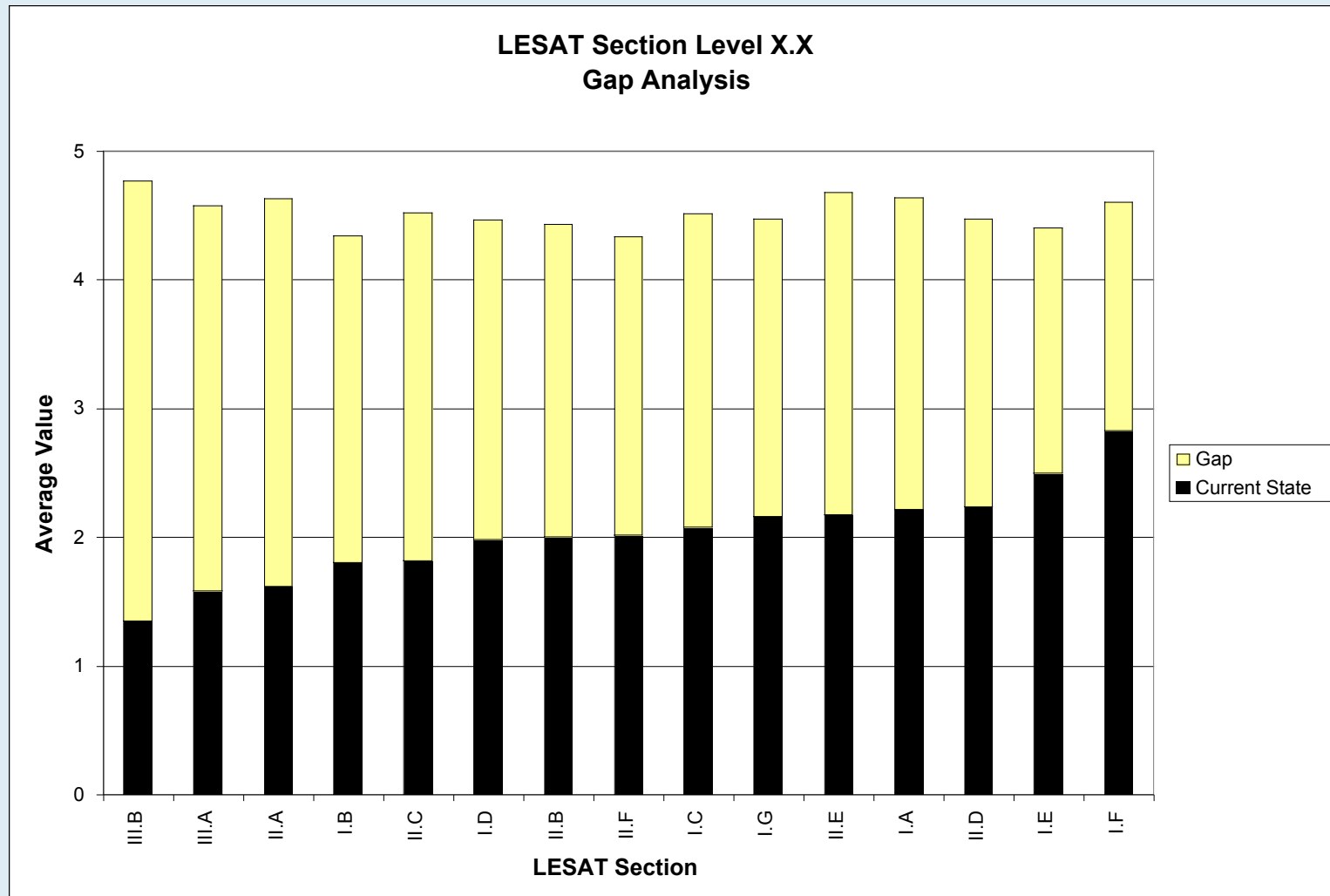
TTL LINK	Lean Practice	State	Mean	Variance	Range	TALLYS				
						Level 1	Level 2	Level 3	Level 4	Level 5
I.A Enterprise strategic planning	I.A.1. Integration of lean in strategic planning process	Current	0	0	0	0	0	0	0	0
	I.A.2. Focus on customer value	Current	0	0	0	0	0	0	0	0
	I.A.3. Leveraging the extended enterprise	Current	0	0	0	0	0	0	0	0
I.B Adopt Lean Paradigm	I.B.1. Learning and education in 'lean' for enterprise leaders	Current	0	0	0	0	0	0	0	0
	I.B.2. Senior management commitment	Current	0	0	0	0	0	0	0	0
	0	Current	0	0	0	0	0	0	0	0
	I.B.4. A sense of urgency	Current	0	0	0	0	0	0	0	0

➤ **Same format for Desired State and Gap Summary Sheets**

SECTION 1 - LEAN TRANSFORMATION/LEADERSHIP

TTL LINK	Section X.X Averages			Section X.X Average Variances		
	Current	Desired	Gap	Current	Desired	Gap
I.A Enterprise strategic planning	0	0	0	0	0	0
I.B Adopt Lean Paradigm	0	0	0	0	0	0
I.C Focus on the Value Stream	0	0	0	0	0	0
I.D Develop lean Structure and Behavior	0	0	0	0	0	0
I.E Create and Refine Implementation Plan	0	0	0	0	0	0
I.F Implement Lean Initiatives	0	0	0	0	0	0
I.G Focus on Continuous Improvement	0	0	0	0	0	0





- **Switch to Excel spreadsheet...as used in Appendix E of the facilitator's guide**

- **LESAT calculator**
 - **Tool for accelerating assessment data collection and analysis**
- **Available on LAI web site**
- **Suggestions for improving the tool are welcome**