

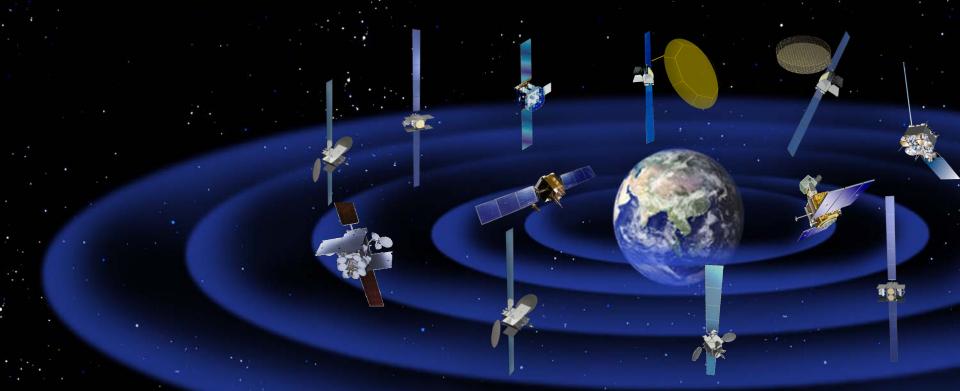
Using CMMI® to Improve the Enterprise, Not Just its Processes

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Boeing Space and Intelligence Systems (S&IS)

S&IS is Boeing's center for all intelligence and government / commercial space systems. It is the world's leading manufacturer of geostationary satellites, and has the largest dedicated satellite factory in the world. S&IS' headquarters is in Seal Beach, California.



CMMI® Core Team Located in El Segundo, Southern California

ABSTRACT: Using CMMI_® to Integrate and Improve the Enterprise, NOT Just its Processes

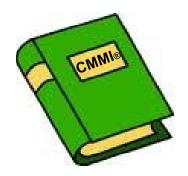
For some, the <u>CMMI®</u> Journey is about defining, executing and improving processes with the end <u>goal</u> of <u>obtaining a CMMI®</u> rating. Taking this approach usually <u>results</u> with good processes, satisfied process teams, a plaque on the wall and <u>no real perceived value</u>.

This presentation covers how we made <u>high value</u> achievements when <u>renewing our CMMI® rating</u>. This included making significant organizational integration improvements, and fostering a culture that recognizes CMMI makes good business sense.

The <u>key was</u> in <u>creating value propositions</u> using the right people, use cases and tools to facilitate efficient information access. Most importantly, we planned big, started small <u>and</u> had <u>a detailed</u> interpretation and <u>implementation strategy of</u> the <u>CMMI</u>® model.

Agenda

- Background Transitioned to strategic CMMI® focus
- High leverage areas for value propositions
 - Appraisal preparation
 - Multi-disciplined problems
 - Use cases
- Critical steps in framing value propositions
- Getting MORE value from CMMI®







A Value Proposition is a Proposal that Adds Value

Where Have We Been on Our CMMI® Journey?

- Started using CMMI_® as an improvement tool in early 2000
- Obtained numerous CMM_® / CMMI_® Level 3 / 5 ratings
- Received numerous RFPs that have CMMI® requirements
- Transitioned focus from tactical to strategic improvements
 - Broad scope
 - Infrastructure
 - Integration

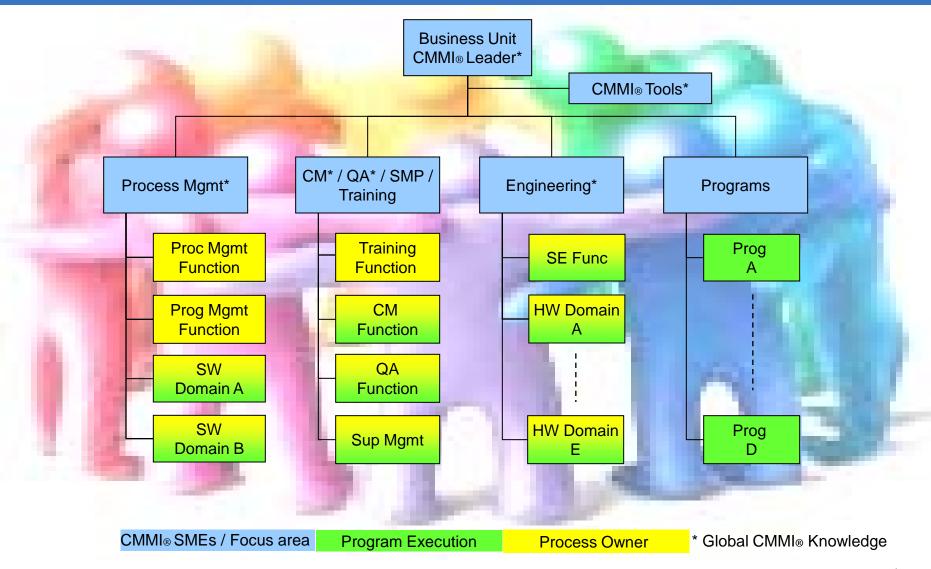






Using CMMI® for the Right Reasons!

CMMI_® Transition Team Included all Product Development and Process Management Stakeholders



Situation During our CMMI® Transition

- Very challenging business environment
 - Few new programs
 - Extreme competition
 - Focus on bottom line results overhead cutbacks

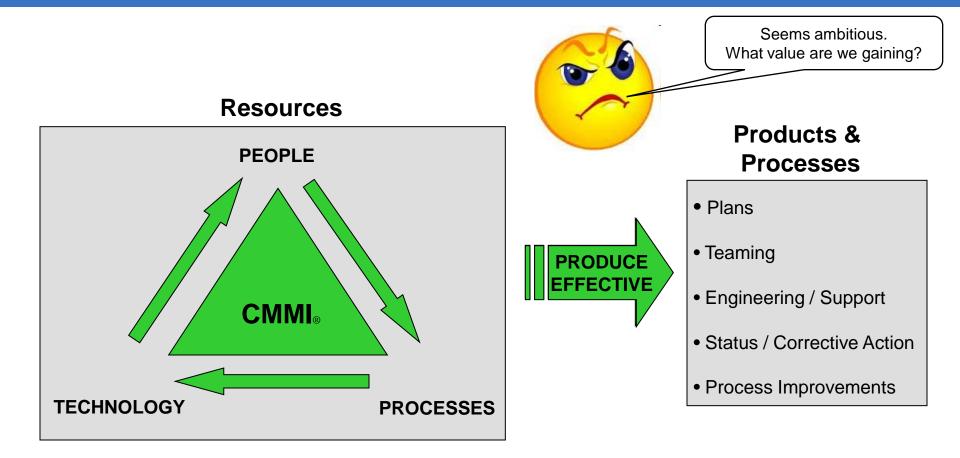


- Significant organizational changes
 - Restructuring and realignment
 - New common processes
 - Aggressive improvement initiatives



Climate Focused on Adding Value

Described CMMI® to New Management Team



Global Nature of Approach Raised Concerns

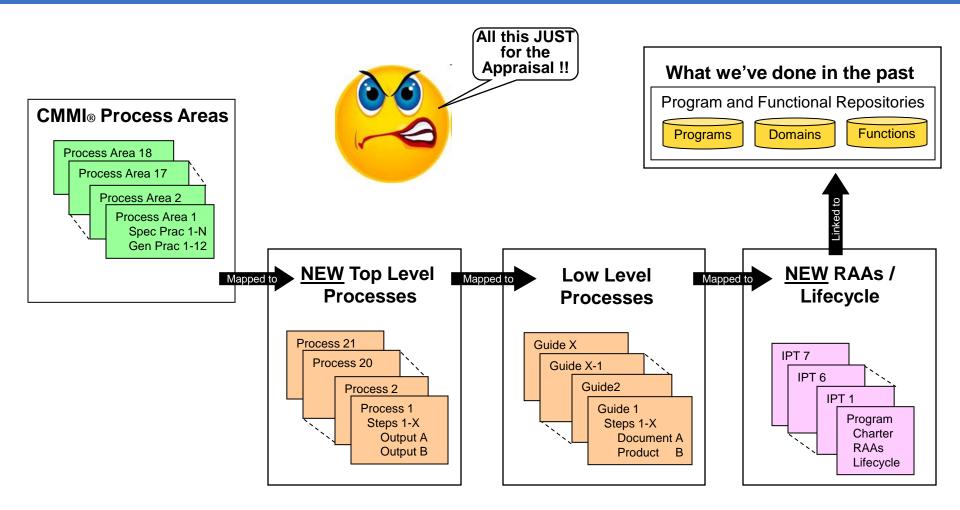
Succinctly Communicated Value of CMMI® Transition

- Business Case
 - Customers want it, competition using it
 - Proven best practices aligned with how we operate
 - Supports where we want to go
- Examples of Value Propositions
 - Shift from tactical to strategic thinking
 - Processes that are easier to locate
 - Better integration of activities
 - Faster access to data

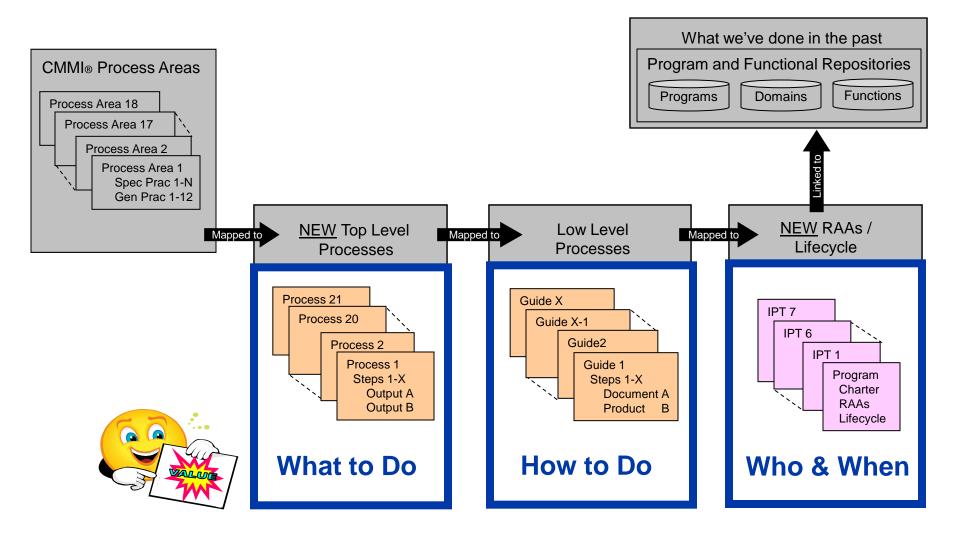


Related CMMI_® to our Business and Operations

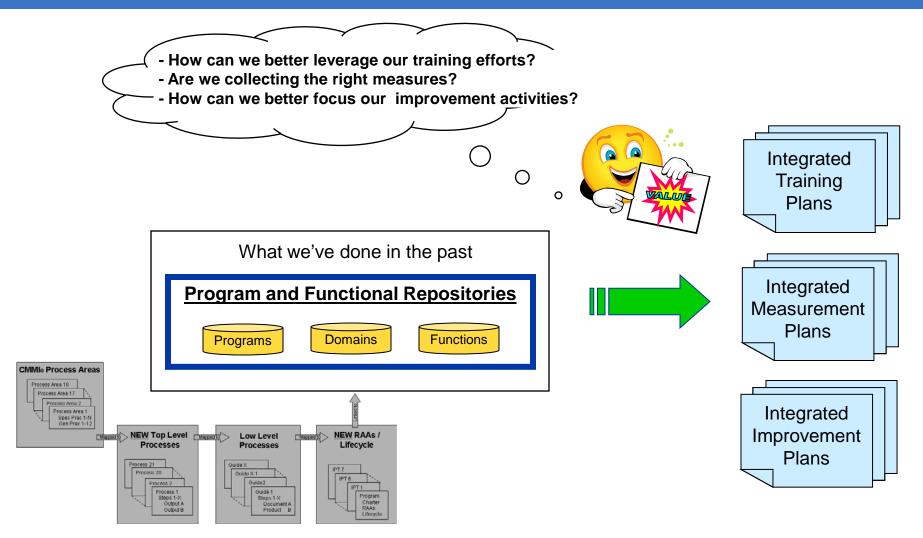
Created Value Propositions from **Appraisal Preparation**



Appraisal Preparation Value Proposition 1: Enable People to Understand How to do Their Jobs



Appraisal Preparation Value Proposition 2: Use Data Collection to Integrate Critical Activities



Numerous Value Propositions Stemmed from Multi-disciplined Problems

Problem

- Evaluation data not integrated
 - Remove redundancies
 - Ensure comprehensiveness





Now I know where to focus our resources



Leverage CMMI® **PPQA & GP 2.9**

PROCESSES	INTEGRATED EVALUATION ACTIVITY									
	Internal	Programs	Functions	Corporate	Customers	AS9100	CMMI			
Process A	Future	Progs 1 - 5 (2008)	Redundant	2008 Jan	Cust 1 (2009)	2007 Aug	Progs 1-3 (2009)			
Process B	2008 Feb	Prog 6 (2008)	Future		Cust 3 (2010)	Future	Progs 3-4 (2009)			
Process C	Future	Future	Test (2009)	2010 Oct		2009 Aug	Progs 2-4 (2009)			
Process D	Future	Future	Future			Future	Progs 2-4 (2009)			
Process E	Redundant	Prog 8 (2008)	Future		Cust 2 (2010)	Future	Progs 4-5 (2009)			

Other Value Propositions Based on Simple, High Priority Use Cases

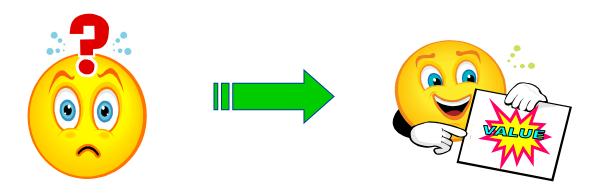


"Value Added !!"

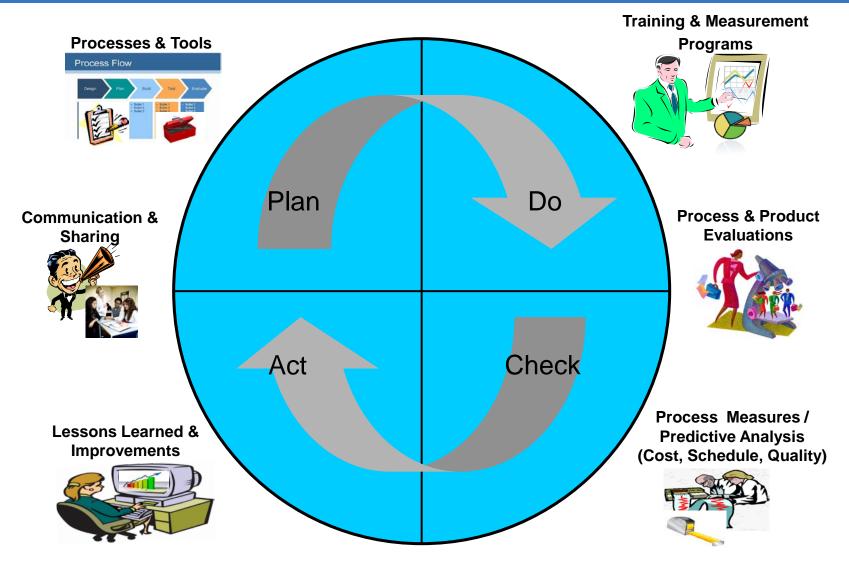
Target Users					Use			
Prog, Func Practitioner	Process Councils	Process SME	CMMI® SME	Customer	Case #	Use Case Examples		
	Х	х	x		1	Are the right processes being deployed?		
Х	х	х	х		2	How do I do my job?		
Х	X	х	X		3	Where can I find process related data?		
	х	х	X	х	4	How effective is our evaluation program?		
			х	Х	5	What is our CMMI⊚ approach?		

Framing Complex Value Propositions

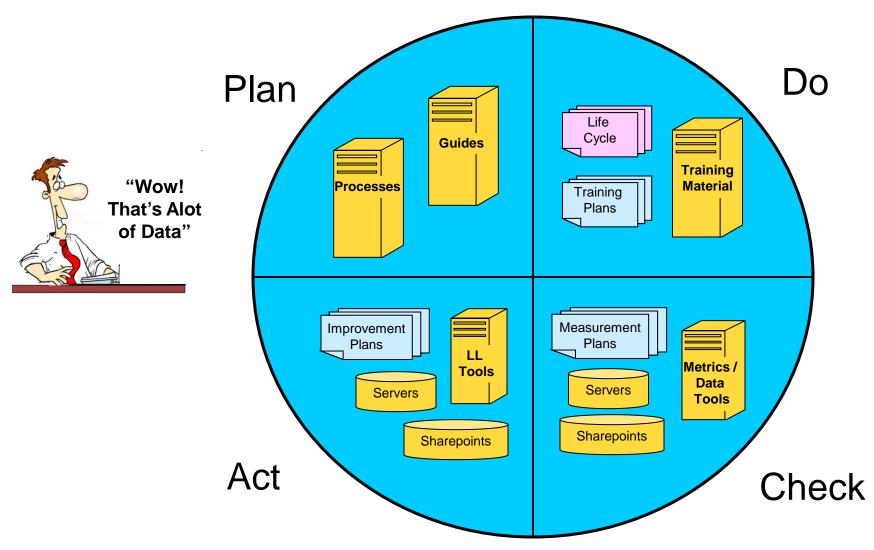
- Communication Challenge
 - CMMI® terminology
 - Broad scope of CMMI® effort
- Solution
 - 1. Translate CMMI_® into how we operate
 - 2. Focus audience on the value proposition's scope
 - 3. Illustrate the value of the proposition



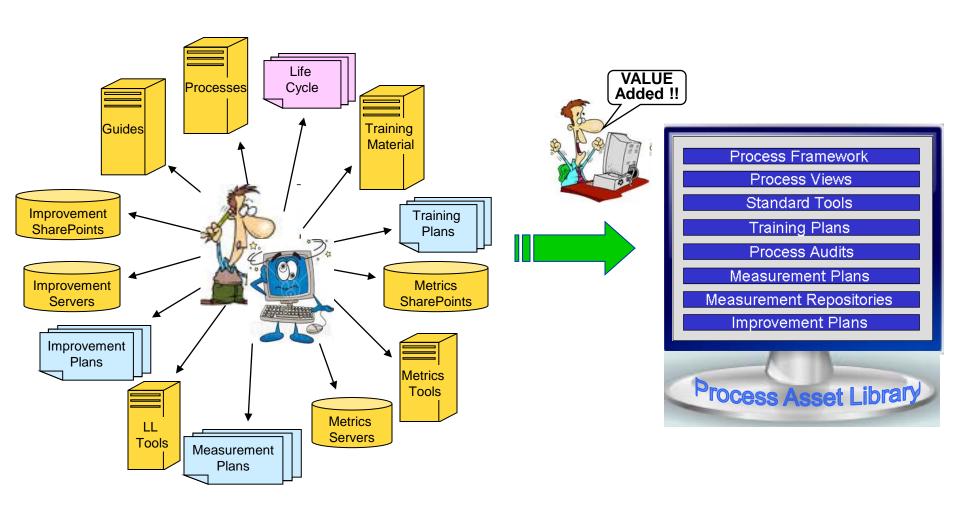
Step 1 – Translate CMMI®: Process Management in Our Own Paradigm



Step 2 – Focus the Audience: Large Quantity of Process Management Data



Step 3 – Illustrate the Value: Turn Chaos into Organized Process Asset Library Views



CMMI_® Accelerated Our Capabilities in a Challenging Environment

- Integrated new processes
 - "What to", "How to" and "When to" execute
- Defined clear RAAs for operating teams
- Integrated training, measurement and improvement plans
- Provided single portal with global access to process data
- Implemented comprehensive data management approach
- Consolidated process and product evaluation information



All Validated by a CMMI_® Level 3 Rating

Getting MORE Value from CMMI®

- Develop detailed CMMI_® implementation strategy
- Involve all stakeholders
- Understand high leverage areas for value propositions
- Frame your value propositions as simply as possible
 - Translate CMMI_® using operational scenarios
 - Focus discussions to the audience

Use KISS: Keep It Simple Strategy!!

Creating CMMI Value Propositions

Questions?

