

Lockheed Martin Integrated Systems & Solutions

A Large Appraisal ?

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IS&S Benchmarking Maintenance

Initial Benchmark

- SCAMPI C 6-9 months after ATP

One year after Initial Benchmark:

SCAMPI B

- All programs over \$X contract value
- Some programs between \$X and \$X
 - FFP, numerous subs, not co-located team, high risk, corporate or IS&S visibility

SCAMPI C

- Non-SCAMPI B programs between \$X and \$X
- All programs (>\$X) that are following the “primes” or “customers” processes
 - A PPS mapping is required and this is done for process risk determination

REVISITS depend on “Process Risks” identified in previous benchmark – ALL PROGRAMS VISITED EVERY TWO YEARS

Appraisal Characteristics

Method:

- **SCAMPI V1.1 (ARC Class A)**

Disciplines:

- **Systems & Software Engineering, IPPD, SS**

Models & Representations:

- **CMMI V1.1 Staged Representation**

Dates:

- **October 2005**

Overview of Appraisal

Appraisal Team Members

<i>Gene Miluk (Lead Appraiser)</i>	<i>SEI</i>
<i>Charlie Ryan</i>	<i>SEI</i>
<i>Peter Capell</i>	<i>SEI</i>
<i>Joanne O'Leary</i>	<i>SEI</i>
<i>M. Lynn Penn</i>	<i>LM IS&S</i>
<i>Bill Pohle</i>	<i>LM IS&S</i>
<i>Dennis Ring</i>	<i>LM IS&S</i>
<i>Dorna Witkowski</i>	<i>LM IS&S</i>

Site Coordinators (LM IS&S):

Dick Warren
Connie Czaplicki
Mike LaBarge

The Challenge

200+ PROGRAMS
COAST-TO-COAST LOCATIONS

6 LINES OF BUSINESS
15,000 TECHNICAL EMPLOYEES



SEI CMMI APPRAISAL

Sampling Technique

The scope of the SCAMPI was the entire IS&S organization. Three programs represent more than 20% of the work distributed across all of the IS&S regions.

- **AEHF**
- **IEC**
- **SBIRS (ground segment)**

Through sampling, 27 other programs were offered into the appraisal to validate that the IS&S processes had been truly institutionalized. These programs will have full artifact libraries and completed binders available for the appraisal team's validation. Sampling from these programs will increase the coverage to 73% of the IS&S bottom line.

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Sampling Technique (continued)

Review of focus programs allowed team to become familiar with terms, tools, and standard processes

Allocated specific process areas to **mini-teams**

Included additional programs **to broaden** the programs investigated to include all Lines of Business and multiple program types

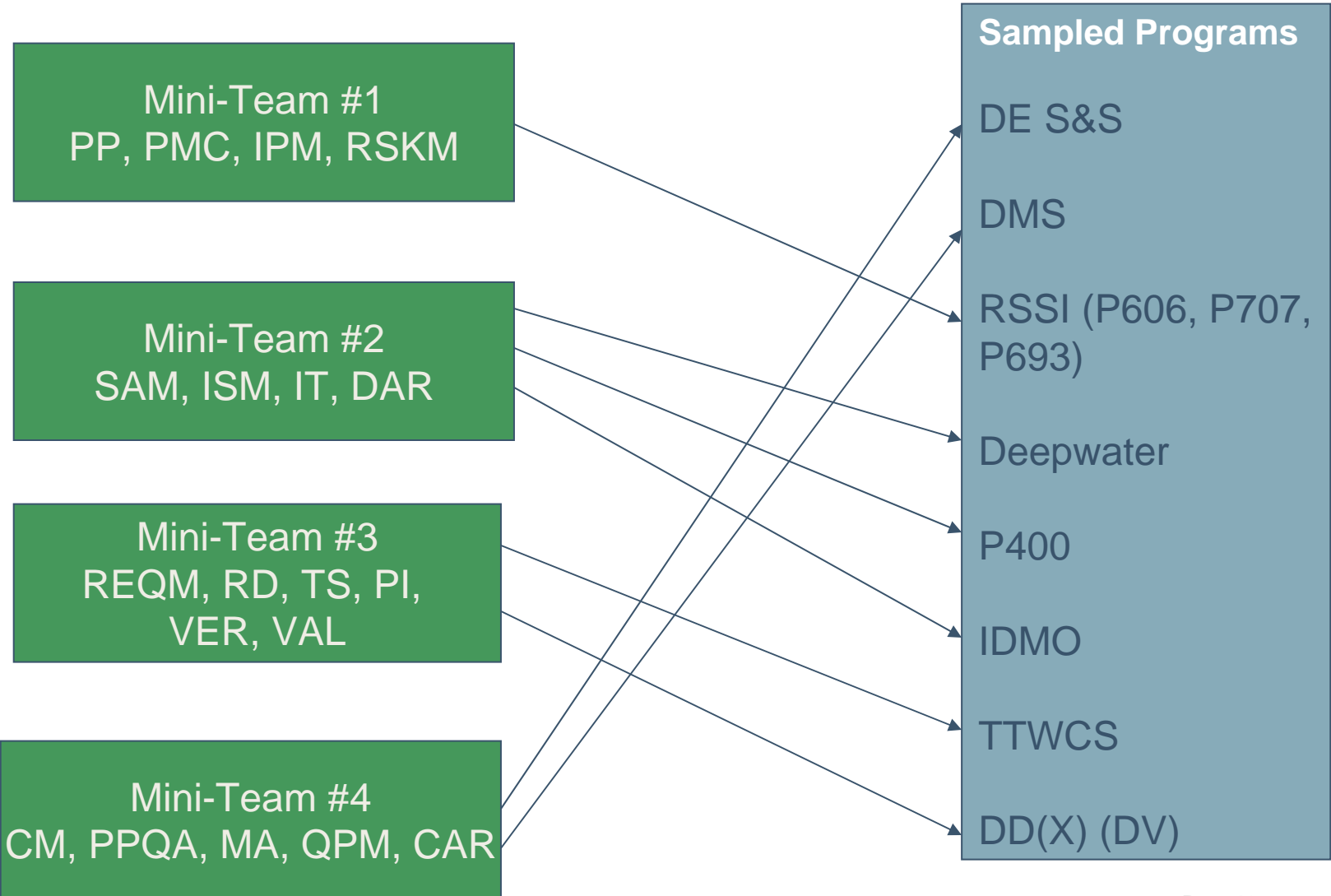
Reviewed program documentation (already provided in binders)

- Used familiarity from focus programs to craft questions confirming implementation and institutionalization

Conducted **additional interviews** with these programs

- 10 additional programs
- 42 additional people

Mini-teams presented findings to **full team for consolidation**



Results of Broadening Coverage

- Found appropriate consistency of practices, tools, and processes across the additional programs
- No major weaknesses, issues, or concerns were found
- Increased team confidence in institutionalization across IS&S

List of Published SCAMPI Appraisal Results

ORGANIZATION NAME: Lockheed Martin Corporation
SPONSOR NAME: Walter Winkler
LEAD APPRAISER NAME: Eugene Miluk
SEI PARTNER: Software Engineering Institute
APPRAISAL END DATE: 10/14/2005
MATURITY LEVEL ASSIGNED: 5
APPRAISED ORGANIZATIONAL UNIT:
 Entity Name: Integrated Systems & Solutions
 Location(s): King of Prussia, PA
CMMI MODEL USED: CMMI-SE/SW/IPP/SS, V1.1, Staged
APPRAISAL METHOD USED: SCAMPI v1.1

MODEL SCOPE & CAPABILITY RATINGS ASSIGNED:

Process Management		Project Management		Engineering		Support	
OPF	Satisfied	PP	Satisfied	REQM	Satisfied	CM	Satisfied
OPD	Satisfied	PMC	Satisfied	RD	Satisfied	PPQA	Satisfied
OT	Satisfied	SAM	Satisfied	TS	Satisfied	MA	Satisfied
OPP	Satisfied	IPM	Satisfied	PI	Satisfied	DAR	Satisfied
OID	Satisfied	RSKM	Satisfied	VER	Satisfied	OEI	Satisfied
		IT	Satisfied	VAL	Satisfied	CAR	Satisfied
		ISM	Satisfied				
		QPM	Satisfied				

Questions ?