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# ***DCMA Software Contract Management Services CMM Based Insight Initiative***

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***Presented By:***

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## **Agenda**

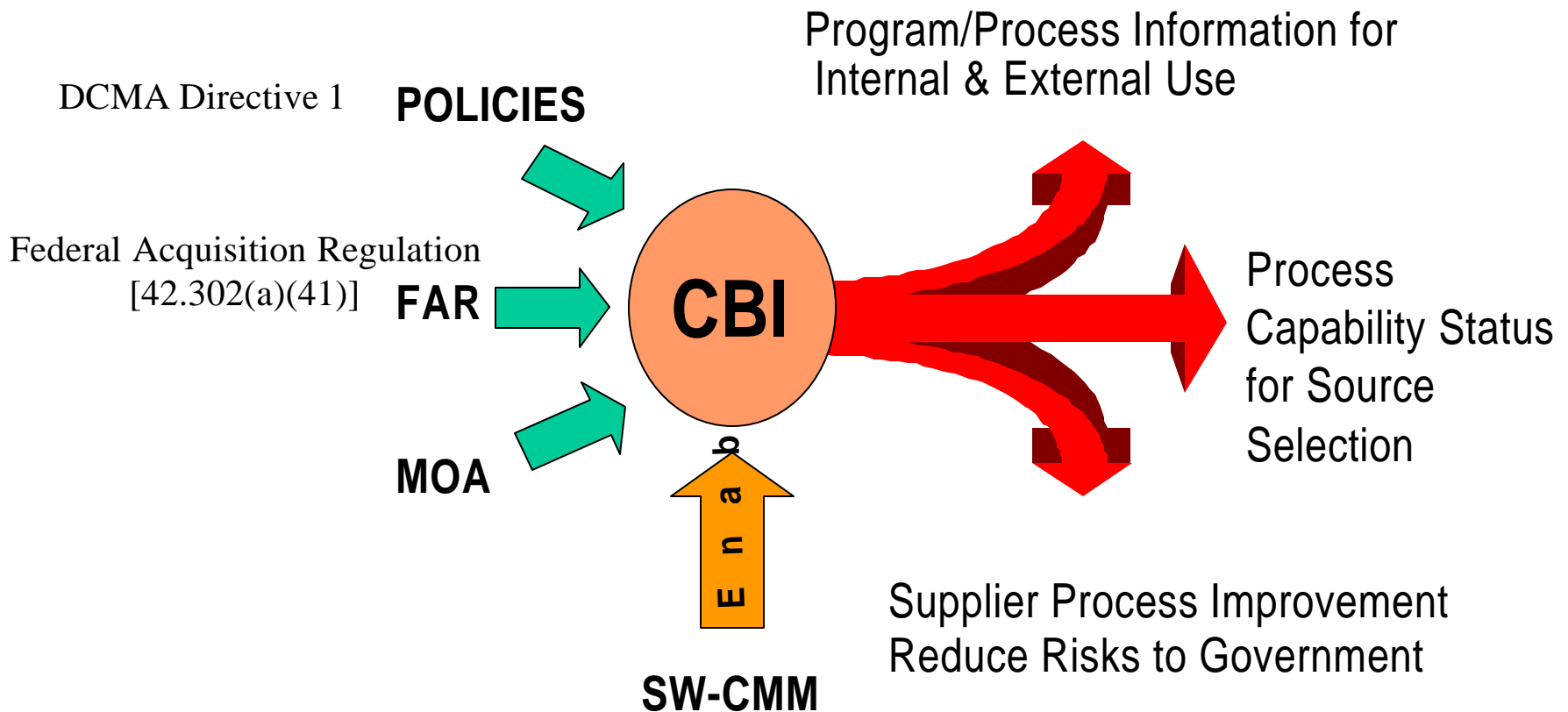
- **What is CMM Based Insight?**
- **Vision**
- **What are the Goals?**
- **What are the Benefits?**
- **Schedule and Status**
- **Process Measures**
- **Pilot Performance**
- **Summary**

## **What is CMM Based Insight?**

- **Performing Software Contract Administration Services (SW-CMS) using a common language**
- **This common language is the SW-CMM**
- **Organize daily observations into findings**
- **Peer reviews are performed on the observations**
- **Data is shared with supplier**
- **Overall findings used to focus DCMA effort based on risk & address internal performance**
- **Using modified data-collection tool to report results**

## *Vision*

**Enhance customers' visibility into suppliers software processes capabilities, identification of software development process risk, possibly provide source selection data, and encourage supplier process improvement.**



## **What are the Goals?**

- **Provide program and software development process risk information to DCMA and Customers**
- **Promote supplier process improvements based on trend analysis of CMM based observations**
- **Consistently maintain data to identify process capability to possible support of source selection or contract monitoring**
- **Promote DCMA internal process improvements**

## **What are the Benefits?**

- Establishes a “common process” for performing Software CMS
- This “Common Process” will be the driver for the Agencies Organizational Process Focus and Definition for SW CMS - *consistent method*
- Improve Agency/Supplier teaming relationship
- Establish internal process measures
- Directly supports the Agencies Directive on Supplier Risk Management
- Support CMM Level 3 ACAT I and IEPR activity

## Schedule and Status

### Phased Implementation Approach

- **Planning**: 1Q FY99 - 1Q FY00
  - Plan, Schedule, Budget, Method Description
- **Phase 1**: 1Q FY00 - 3Q FY 00
  - Validates the Concept with 4 CMOs
- **Phase 2**: 3Q FY00 - 1Q FY 02
  - A: Verify the Concept with 5 more CMOs
  - B: Verify the Concept using CMM based Insight Process Measures with 11 more CMO



## **Schedule and Status**

- **Phase 3**: 4Q FY01 - 3Q FY02
  - Interoperability with the Agencies Supplier Risk Management tool - Risk Assessment and Management Program (RAMP)
- **Phase 4**: 3Q FY02
  - Implement Agency wide

## **Schedule and Status**

- **Provided on-site training with practitioners and DCM CMO Management**
- **Some training sites had Supplier in attendance**
- **Some training sites provided training to Suppliers on the Agencies CMM Based Insight initiative**
- **Pilot testing at 45% of DCMA locations**
- **Will be training remaining offices FY 02**

## **Process Measures**

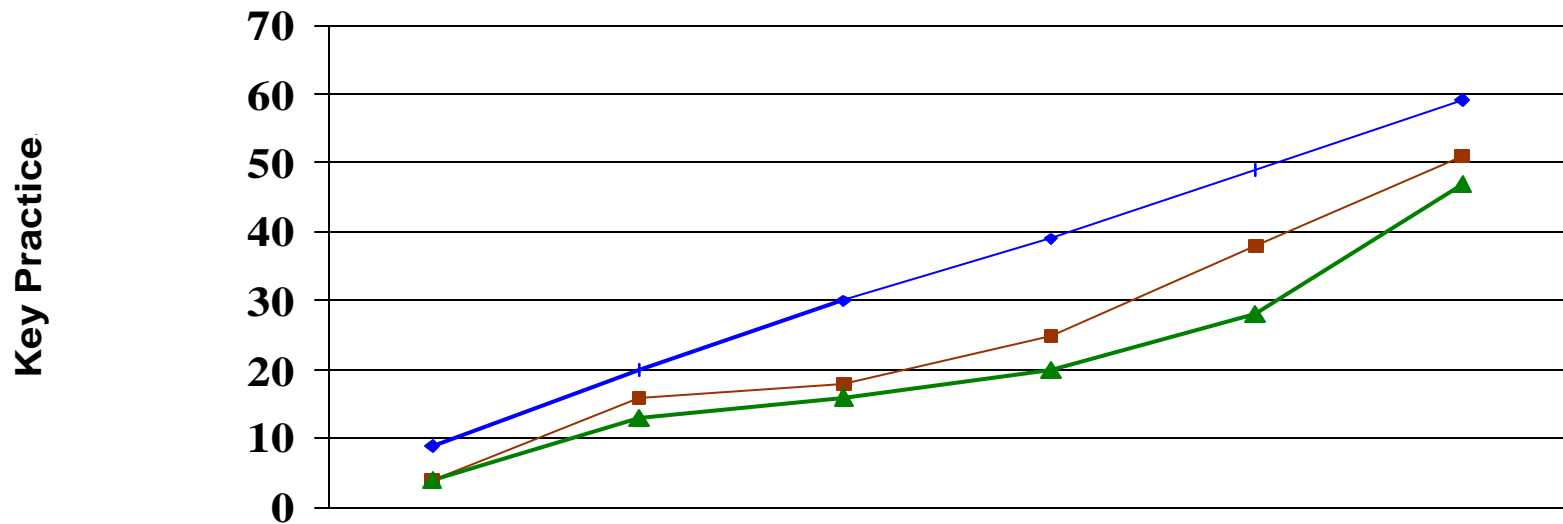
- Gauge our performance in accomplishing the planned work scope
- Provide indication of Government level of effort
- Provides indication of Supplier process risk on individual programs or at the supplier organization level
- Pilot Testing three internal performance measures and refine where needed

## *Internal Process Measures*

### **Key Practice Status**

- DCMA software personnel set their scope which is identified in their risk handling plan
- Shows DCMA's planned vs actual effort
- Shows supplier key practices satisfied

## Key Practice Status for Program X FOR Supplier Y (KPA's: SPE ,SSM, SQA)



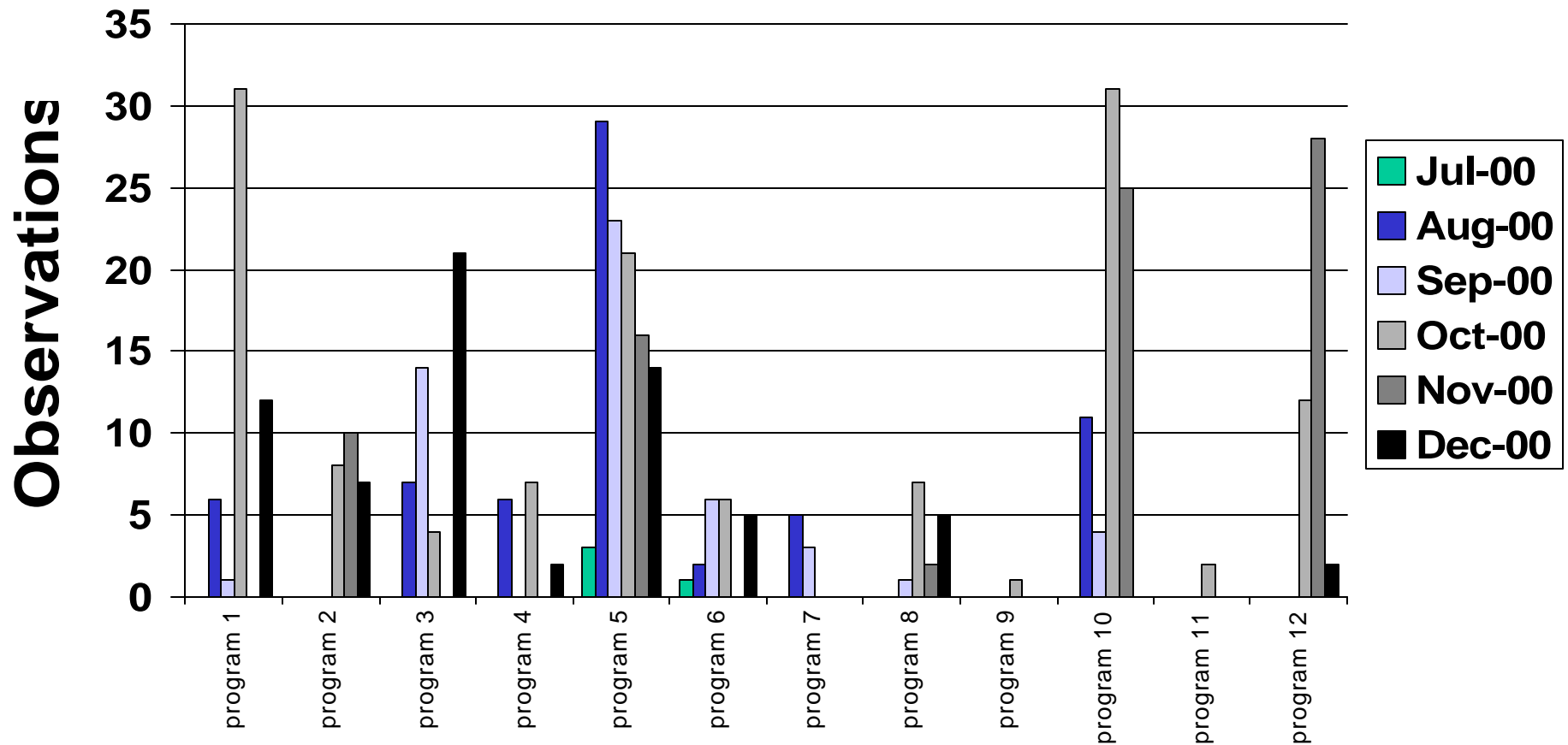
	Dec-00	Jan-01	Feb-01	Mar-01	Apr-01	May-01
—◆— Our Planned Effort	9	20	30	39	49	59
—■— Our Actual Progress	4	16	18	25	38	51
—▲— KP Satisfied	4	13	16	20	28	47

## *Internal Process Measures*

### **Observations Generated per Month**

- Shows number of observations performed for all the programs for a given time period
- Provides an indication of where DCMA level of effort is being applied

## Observations Per Month by Program for Supplier Y



## *Internal Process Measures*

### **Percent Observations by KPA and Percent of each KPA rated**

- **KPA and current risk level (L, M, H)**
- **Number of KPA observations based on the total observation made across all KPAs**
- **Number of KPA observations made during the current reporting month**
- **Percent KPAs satisfied vs KPAs rated**



## **Pilot Performance**

- **45% of DCMA locations equates to 20 offices**
- **Data collection tool improvements**
- **CMOs with strong SCE, CBA-IPI, Lead Evaluator skills is good asset**
- **CMO management highly motivated - very interested in internal performance measures**
- **Process improvement data readily accepted by customers**
- **Resource allocation focus**

## Summary

- Discussed what CMM Based Insight is, vision, goals, and benefits
- Discussed the current schedule
- Discussed process measures and pilot performance
- Future Enhancements
  - Plan, team, tentative schedule in place to migrate over to CMMI<sup>sm</sup>
  - Agency part of SEI CMMI Steering Group, SW-CMM/CMMI turnover within DoD

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