



CMMI[®] Version 1.2 SAM+ISM

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Major Themes

Reduce complexity & size

Increase coverage

Increase confidence in appraisal results

Reduced Model Complexity & Size

Eliminated the concepts of **advanced practices** and **common features**

Incorporated **ISM** into **SAM**; eliminated **Supplier Sourcing (SS)** addition

Consolidated and simplified the **IPPD material**; eliminated two process areas (OEI, IT)

Consolidated all definitions in the glossary

Adopted a **single book approach**

Reduced report size **15%**

Historical Perspective

Software Subcontract Management (CMM) became
Supplier Agreement Management (CMMI V1.0)

- “Not applicable” designation in appraisals reduced from 56% to 20%
- Emphasis on COTS added due to historical difficulties

V1.02d added acquisition flavors with 3 levels of supplier attention (SSM, ISM, QSM)

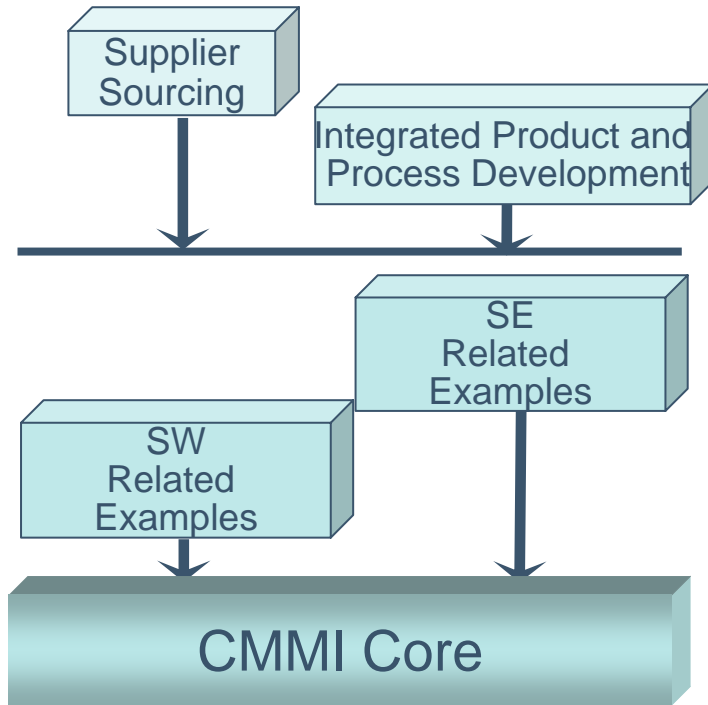
V1.1 consolidated these into “Supplier Sourcing” PA, ISM

- Some SAM subpractices become ISM specific practices
- Multiple CRs argue for consolidation

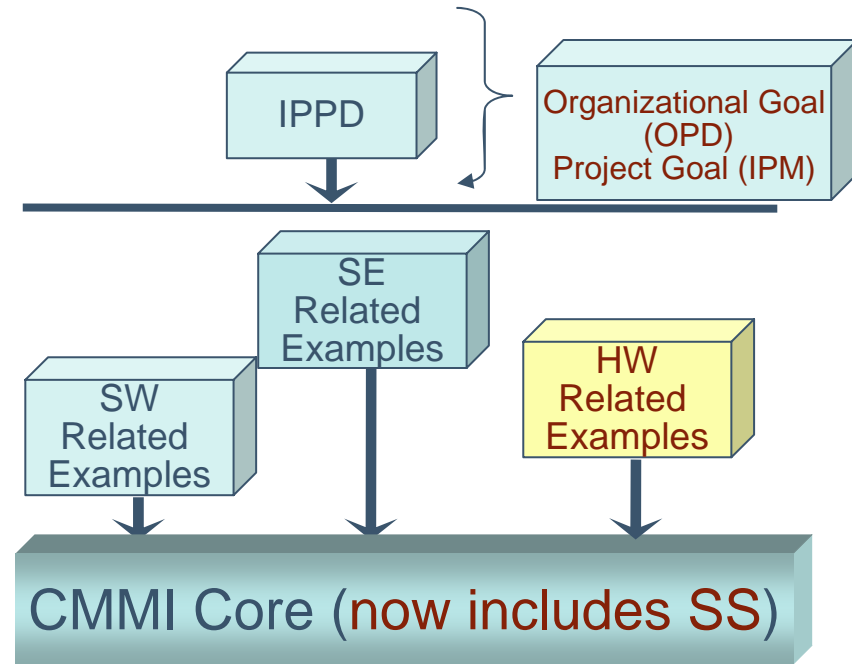


CMMI Model Combinations

V 1.1



V 1.2



Consolidation Themes

Eliminate SS distinction to reduce complexity

Reduce PA number to simplify appraisals

Maintain ISM theme of greater insight into supplier's development activities to reduce product development risk

Reposition COTS emphasis to “make-buy” analysis in TS

Avoid “raising the bar” for SAM

Supplier Agreement Management

Specific Goal

Specific Practice

Establish Supplier Agreements

- 1.1 – Determine Acquisition Type
- 1.2 – Select Suppliers
- 1.3 – Establish Supplier Agreements

Satisfy Supplier Agreements

- 2.1 – Execute the Supplier Agreement
- 2.2 – Monitor Selected Supplier Processes
- 2.3 – Evaluate Selected Supplier Work Products
- 2.4 – Accept the Acquired Product
- 2.5 – Transition Products

v1.1 SP2.1 “Review COTS Products,” was eliminated. “Identify candidate COTS products that satisfy requirements” is a new subpractice under the Technical Solutions Process Area SP1.1, “Develop Alternative Solutions and Selection Criteria.”



Key informative material

“The content of the agreement should specify the reviews, monitoring, evaluations, and acceptance tests to be performed, if such activities are appropriate to the acquisition or product being acquired.” (SP1.3)

“For most vendor agreements where a product is not being developed or for smaller, less critical components, the selection process may determine that monitoring is not appropriate.” (SP2.2)

“The scope of this specific practice is limited to suppliers providing the roject with custom-made products, particularly those that present some risk to the program due to complexity or criticality.” (SP2.3)



Sample Organizational Guidance

	True subcontractors	COTS Vendors
Evaluate and select suppliers	RFP, process evaluation	Use pre-approved vendor
Establish formal agreements	Contract	Purchase Requisition
Work with the suppliers	Monthly status meetings, milestone reviews	NA
Select key processes Monitor and analyze	Req definition, testing Req Review, quantitative analysis of defects	NA
Select key work products Evaluate them	Specification, test plans Peer review	NA
Ensure the agreement is satisfied	Witness sub test	Inspection
Transition the acquired product	Tape transfer	FTP

