

CMMI® V1.3
From the Past to the Future
November 17, 2009

Software Engineering Institute
Carnegie Mellon University

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SCAMPI Calendar Year-End 2008 Statistics

Cumulative #s:	CYE07	CYE08	Increase	% Increase
# Appraisals Performed	3,113	4,134	1,021	32.8%
# Unique Organizations Appraised	2,674	3,446	772	28.9%
# Unique Participating Companies	1,882	2,544	672	35.7%
# Re-appraised Organizations	361	564	203	56.2%
# Unique Projects	14,620	21,141	6,521	44.6%



CMMI Transition Status

Reported to the SEI as of 10-31-09

Training

Introduction to CMMI	- 108,724
Intermediate CMMI	- 2,990
Understanding CMMI High Maturity Practices	- 577
Introduction to CMMI V1.2 Supplement for ACQ	- 1,050
Introduction to CMMI V1.2 Supplement for SVC (1 Day)	- 1,024
Introduction to CMMI Services V1.2 (3 Day)	- 102

Authorized/Certified

Introduction to CMMI V1.2 Instructors (63 authorized)	- 388
CMMI-ACQ V1.2 Instructors (all certified)	- 57
CMMI-SVC V1.2 Instructors (all certified)	- 94
SCAMPI V1.2 Lead Appraisers (all certified)	- 466
SCAMPI V1.2 B & C Team Leaders (all authorized)	- 531
SCAMPI V1.2 High Maturity Lead Appraisers (all certified)	- 144
CMMI-ACQ V1.2 Lead Appraisers (all certified)	- 48
CMMI-SVC V1.2 Lead Appraisers (all certified)	- 101



CMMI V1.2 Foreign Language Translation Status Reported to the SEI as of 10-31-09

CMMI-DEV V1.2

Language

Japanese

Chinese (Traditional)

French

German

Spanish

Portuguese

Status

Completed August 2007. Intro course translated October 2007

Completed December 2007

Completed August 2008

Completed April 2009. Intro course translated October 2009

Completed in June 2009

Underway, to be completed in November 2009

CMMI-ACQ V1.2

Language

Chinese (Traditional)

Status

Completed April 2009

CMMI-SVC V1.2

Language

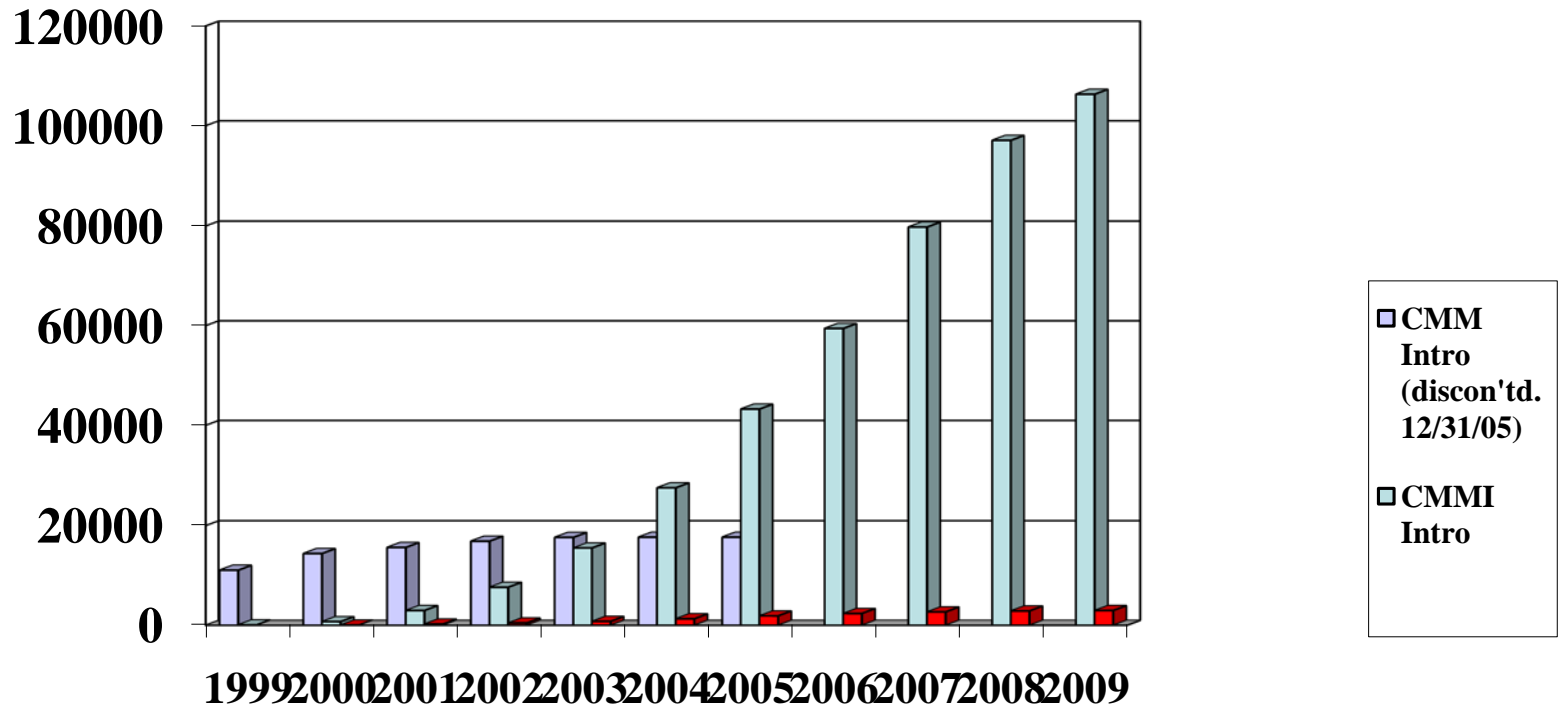
Chinese (Traditional)

Status

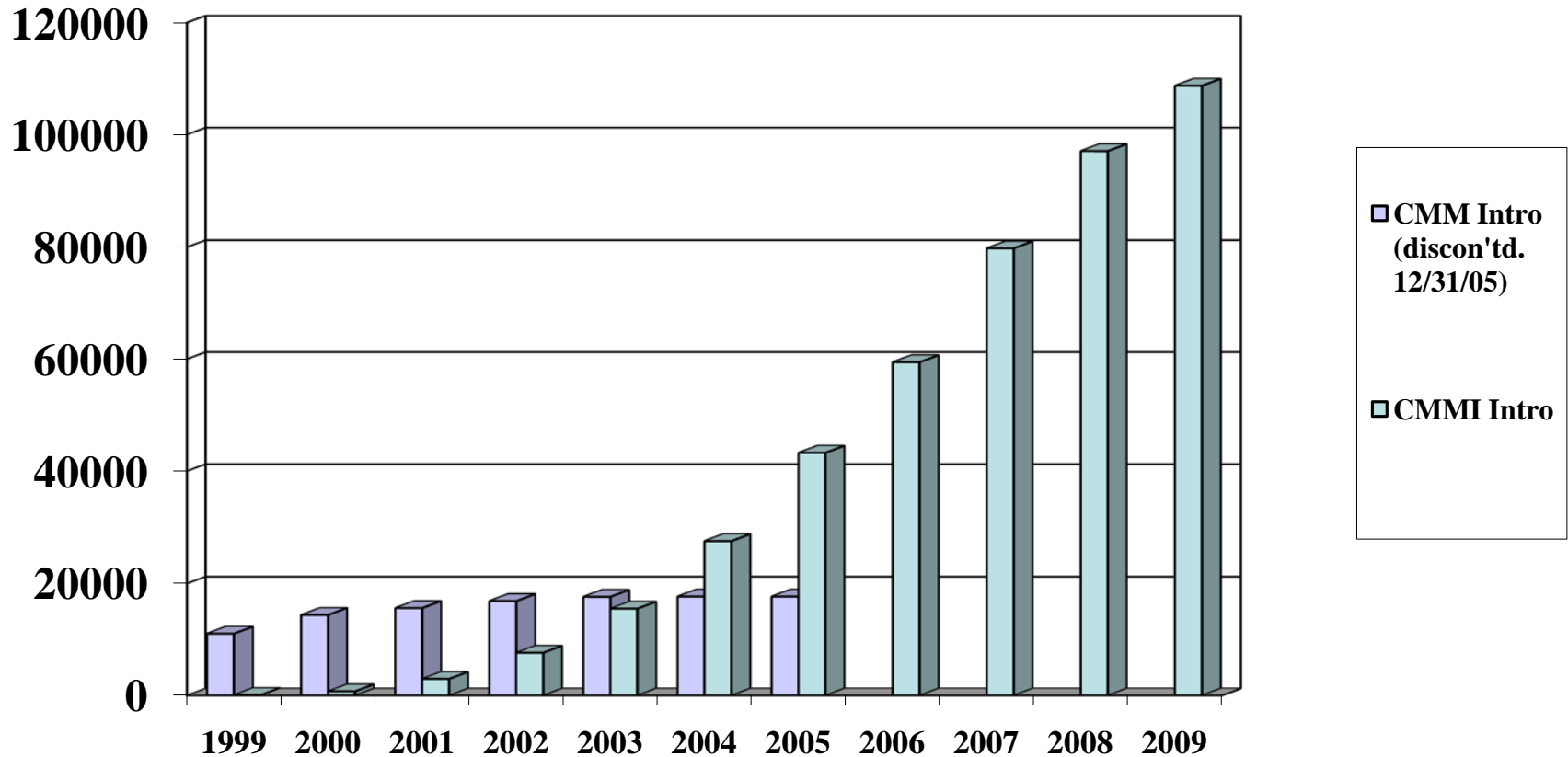
Underway, to be completed 2009-2010



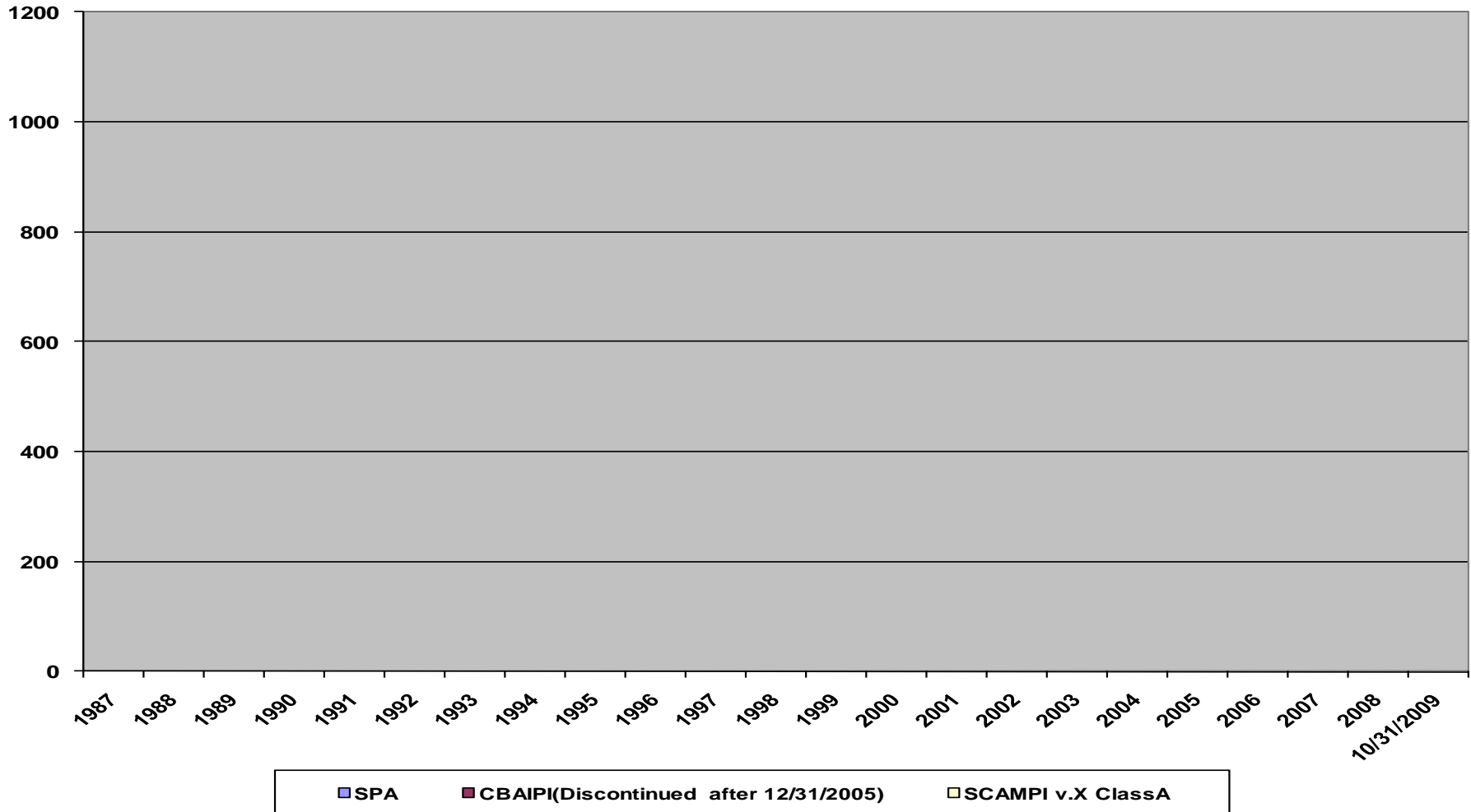
Introduction to CMMI Attendees Cumulative as of 8-31-09



Introduction to CMMI Attendees Cumulative as of 10-31-09



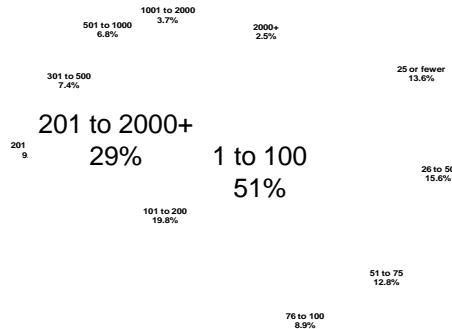
Number of Appraisals Conducted by Year Reported as of 10-31-09



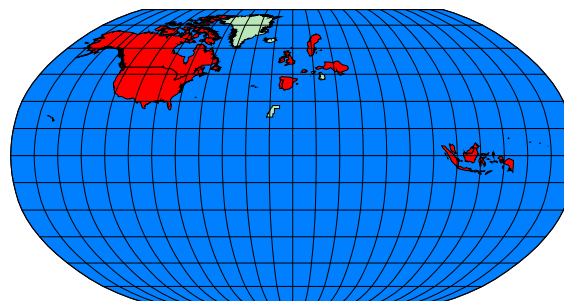
CMMI Adoption Has Been Broad

25 countries with 10 or more appraisals (Aug 06 -> Jul 08):

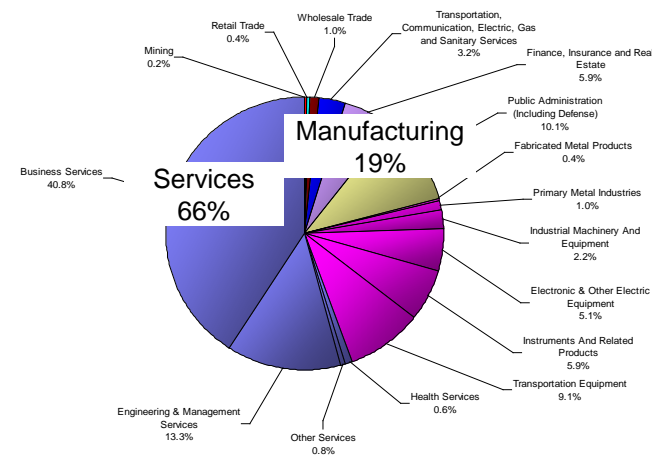
- USA 598 -> 1034
- China 158 -> 465
- India 177 -> 323
- Japan 155 -> 220
- France 65 -> 112
- Korea (ROK) 56 -> 107
- Taiwan 31 -> 88
- Brazil 39 -> 79
- Spain 25 -> 75
- U.K. 42 -> 71
- Germany 28 -> 51
- Argentina 15 -> 47
- Canada 18 -> 43
- Malaysia 15 -> 42
- Mexico <10 -> 39
- Australia 23 -> 29
- Egypt 10 -> 27
- Chile <10 -> 20
- Philippines 14 -> 20
- Colombia <10 -> 18
- and Italy, Israel, Singapore, Hong Kong, and Pakistan



Est'd 1,100+K work in orgs that have had a SCAMPI A appraisal.



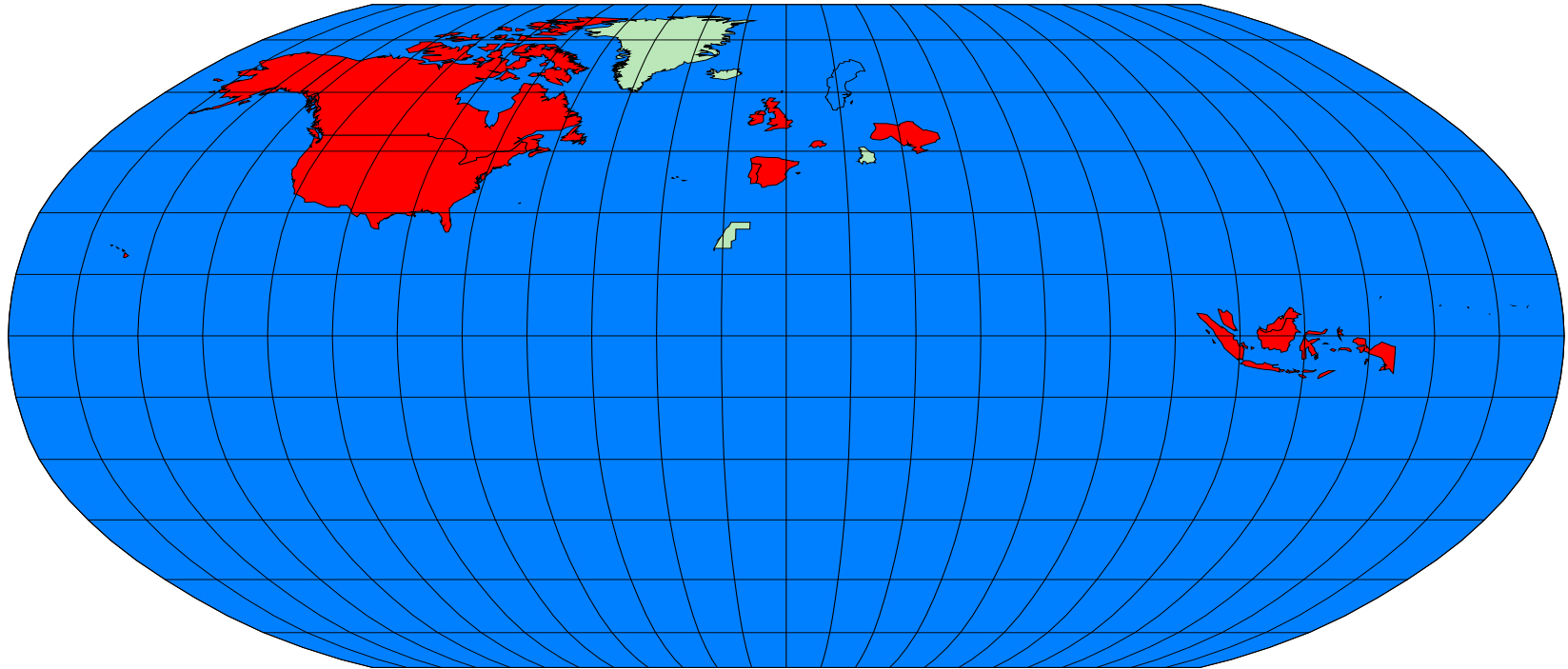
- SCAMPI A reports from 60 countries
- 72% of adopters are commercial orgs
- 2/3 Services; 1/5 Manufacturing
- Approx. 70% of adopters in US are contractors for military/gov't or are gov't



<http://www.sei.cmu.edu/cmmi/casestudies/profiles/cmmi.cfm>
Is the source for these statistical analyses.



Countries Where Appraisals Have Been Performed and Reported to the SEI



Argentina	Australia	Austria	Bahrain	Bangladesh	Belarus	Belgium	Brazil
Bulgaria	Canada	Chile	China	Colombia	Costa Rica	Czech Republic	Denmark
Dominican Republic	Egypt	Finland	France	Germany	Greece	Hong Kong	Hungary
India	Indonesia	Ireland	Israel	Italy	Japan	Korea, Republic Of	Latvia
Lithuania	Luxembourg	Malaysia	Mauritius	Mexico	Morocco	Nepal	Netherlands
New Zealand	Norway	Pakistan	Panama	Peru	Philippines	Poland	Portugal
Romania	Russia	Saudi Arabia	Singapore	Slovakia	South Africa	Spain	Sri Lanka
Sweden	Switzerland	Taiwan	Thailand	Turkey	Ukraine	United Arab Emirates	United Kingdom
United States	Uruguay	Viet Nam					



Number of Appraisals and Maturity Levels Reported to the SEI by Country

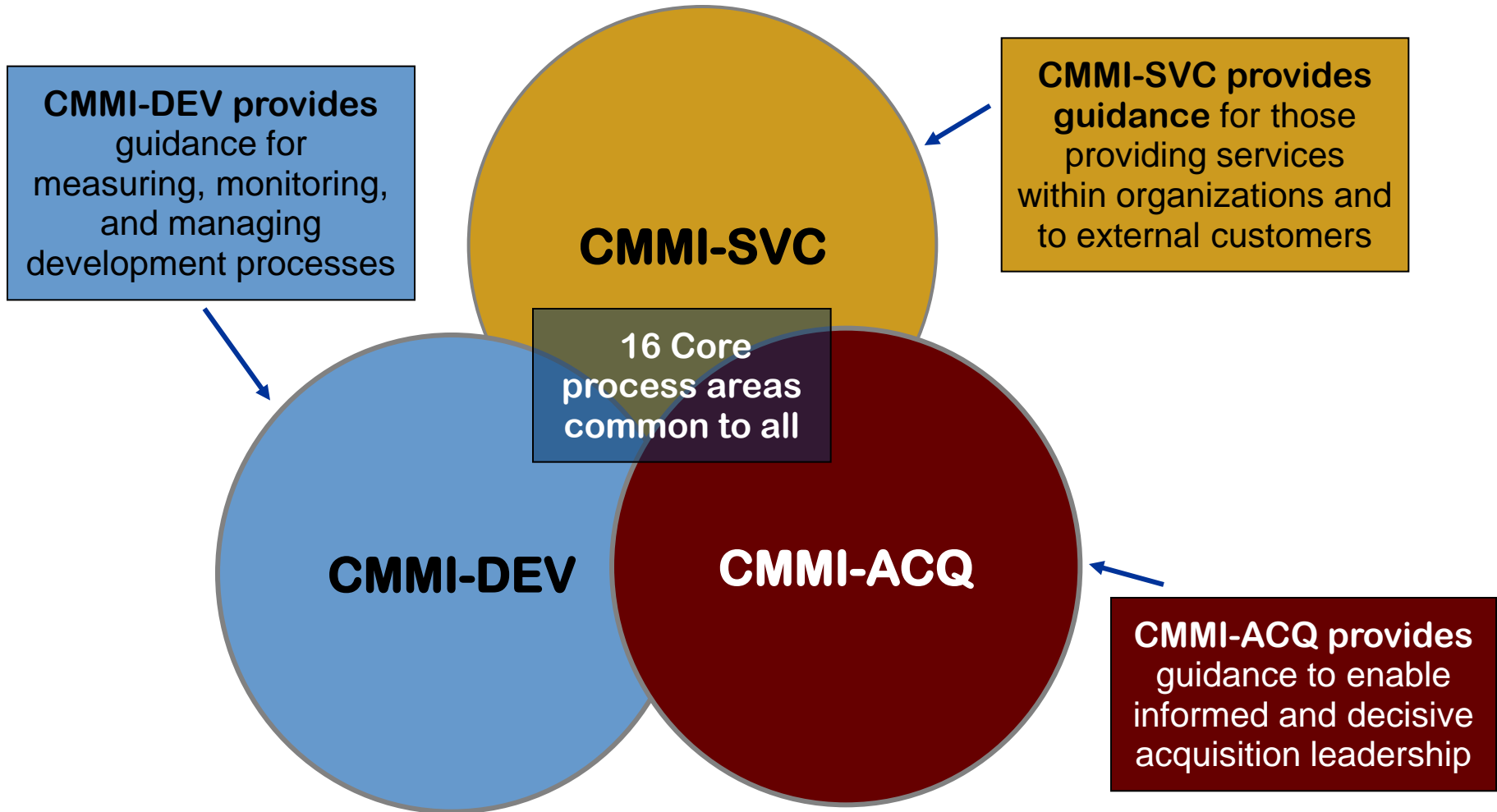
Country	Number of Appraisals	Maturity Level 1 Reported	Maturity Level 2 Reported	Maturity Level 3 Reported	Maturity Level 4 Reported	Maturity Level 5 Reported	Country	Number of Appraisals	Maturity Level 1 Reported	Maturity Level 2 Reported	Maturity Level 3 Reported	Maturity Level 4 Reported	Maturity Level 5 Reported
Argentina	64		45	12	2	3	Malaysia	56		20	31		5
Australia	32	1	7	5	2	4	Mauritius	10 or fewer					
Austria	10 or fewer						Mexico	57		24	25	3	4
Bahrain	10 or fewer						Morocco	10 or fewer					
Bangladesh	10 or fewer						Nepal	10 or fewer					
Belarus	10 or fewer						Netherlands	10 or fewer					
Belgium	10 or fewer						New Zealand	10 or fewer					
Brazil	106	1	50	42	1	9	Norway	10 or fewer					
Bulgaria	10 or fewer						Pakistan	25	1	18	4		1
Canada	51	1	12	22	5	3	Panama	10 or fewer					
Chile	30		17	10		2	Peru	10 or fewer					
China	745	1	117	540	27	41	Philippines	21		2	11		7
Colombia	22		7	11	1	2	Poland	10 or fewer					
Costa Rica	10 or fewer						Portugal	10 or fewer					
Czech Republic	10 or fewer						Romania	10 or fewer					
Denmark	10 or fewer						Russia	10 or fewer					
Dominican Republic	10 or fewer						Saudi Arabia	10 or fewer					
Egypt	34	1	17	11	2	2	Singapore	19		3	10	1	4
Finland	10 or fewer						Slovakia	10 or fewer					
France	141	4	81	45	1	2	South Africa	10 or fewer					
Germany	64	9	32	11	1	1	Spain	105	1	60	35	2	4
Greece	10 or fewer						Sri Lanka	10 or fewer					
Hong Kong	18		2	11		5	Sweden	10 or fewer					
Hungary	10 or fewer						Switzerland	10 or fewer					
India	409		14	191	24	166	Taiwan	117	1	74	38		2
Indonesia	10 or fewer						Thailand	27		12	13		1
Ireland	10 or fewer						Turkey	14			12		2
Israel	17		3	10		2	Ukraine	10 or fewer					
Italy	31		14	14			United Arab Emirates	10 or fewer					
Japan	267	17	75	121	13	16	United Kingdom	93	3	42	30	1	3
Korea, Republic Of	138	1	47	61	13	7	United States	1272	27	448	462	21	124
Latvia	10 or fewer						Uruguay	10 or fewer					
Lithuania	10 or fewer						Viet Nam	12			9	1	2
Luxembourg	10 or fewer												



Beyond CMMI V1.2...

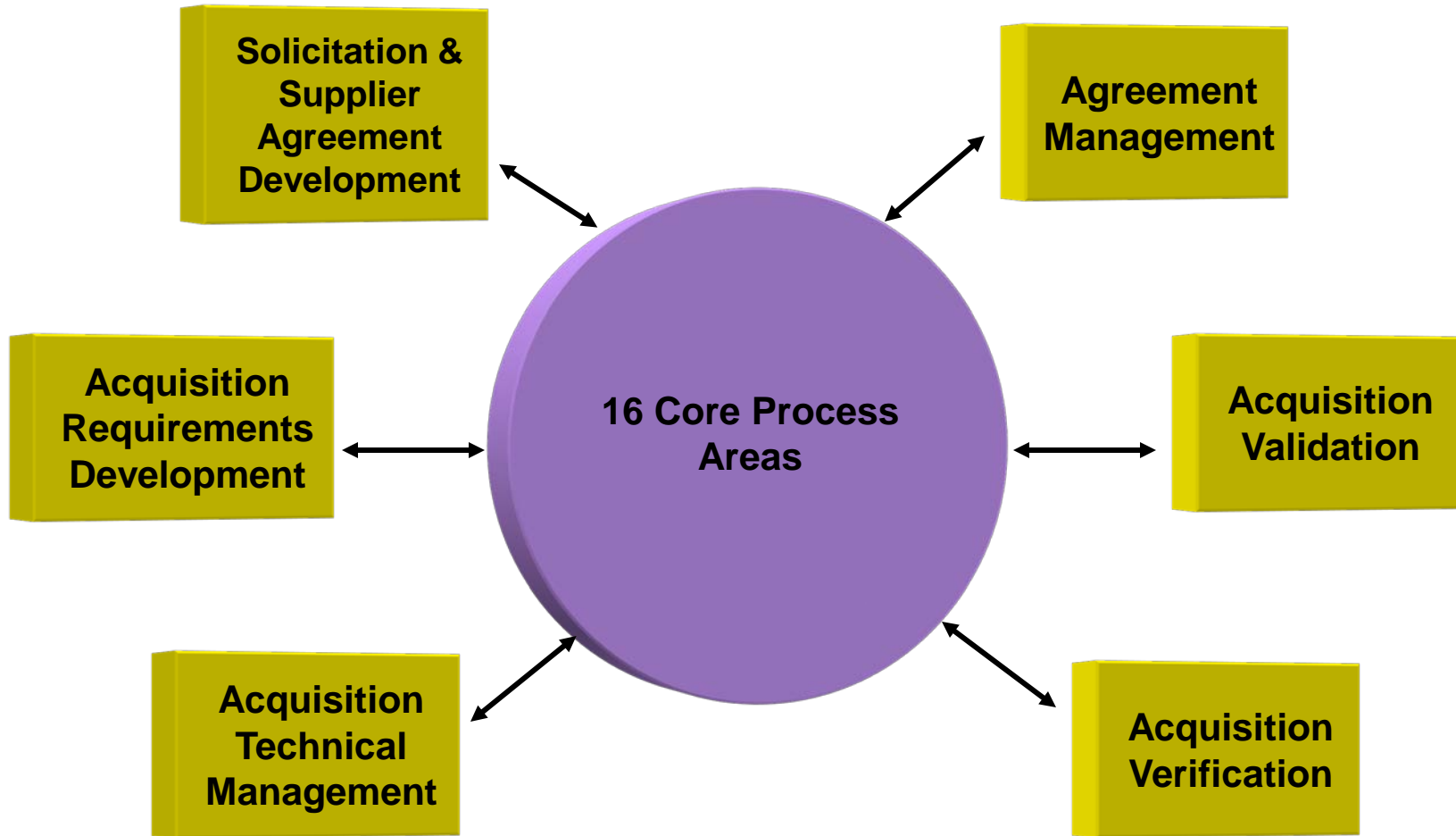


Three Complementary Constellations

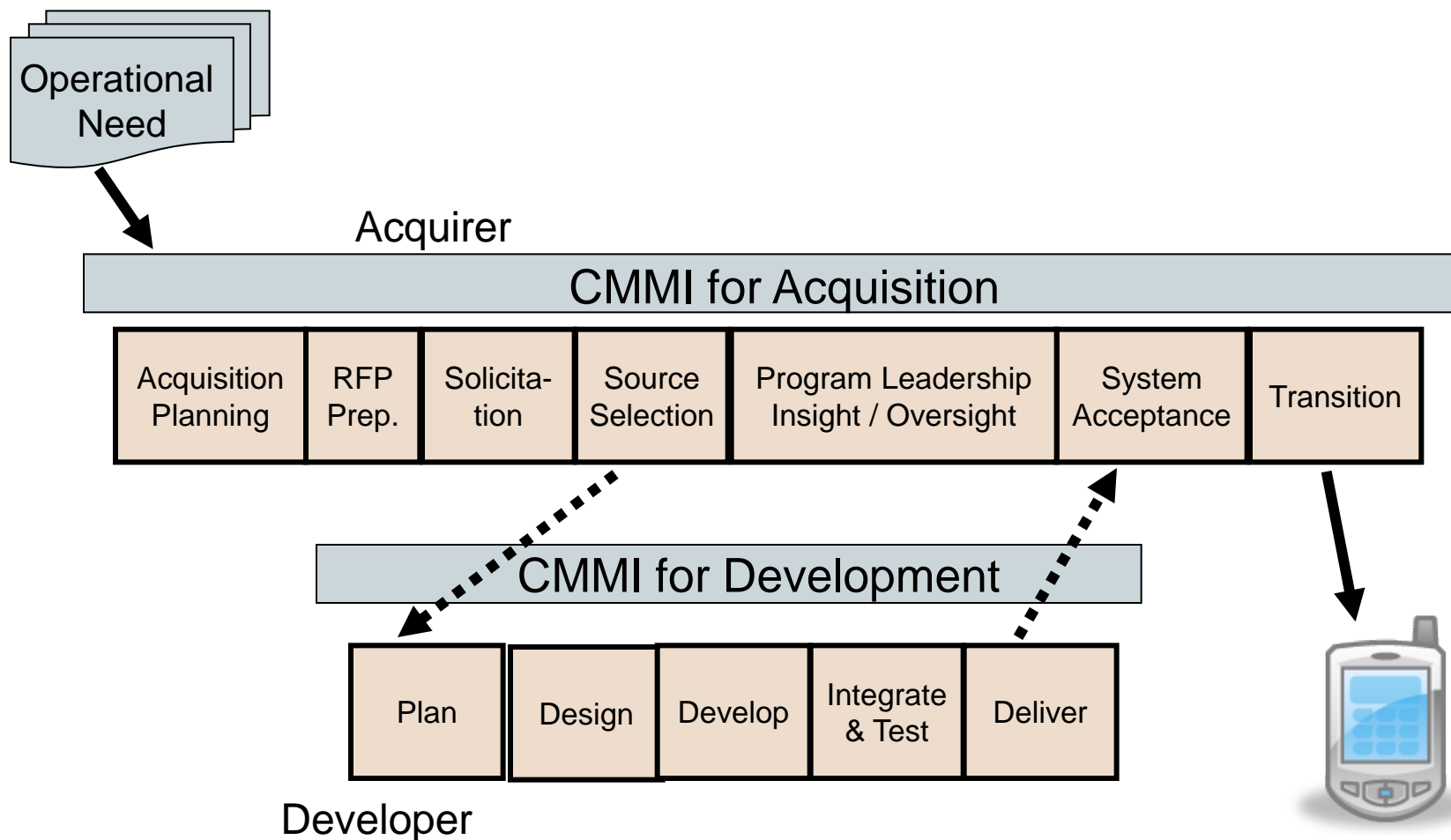


CMMI-ACQ V1.2

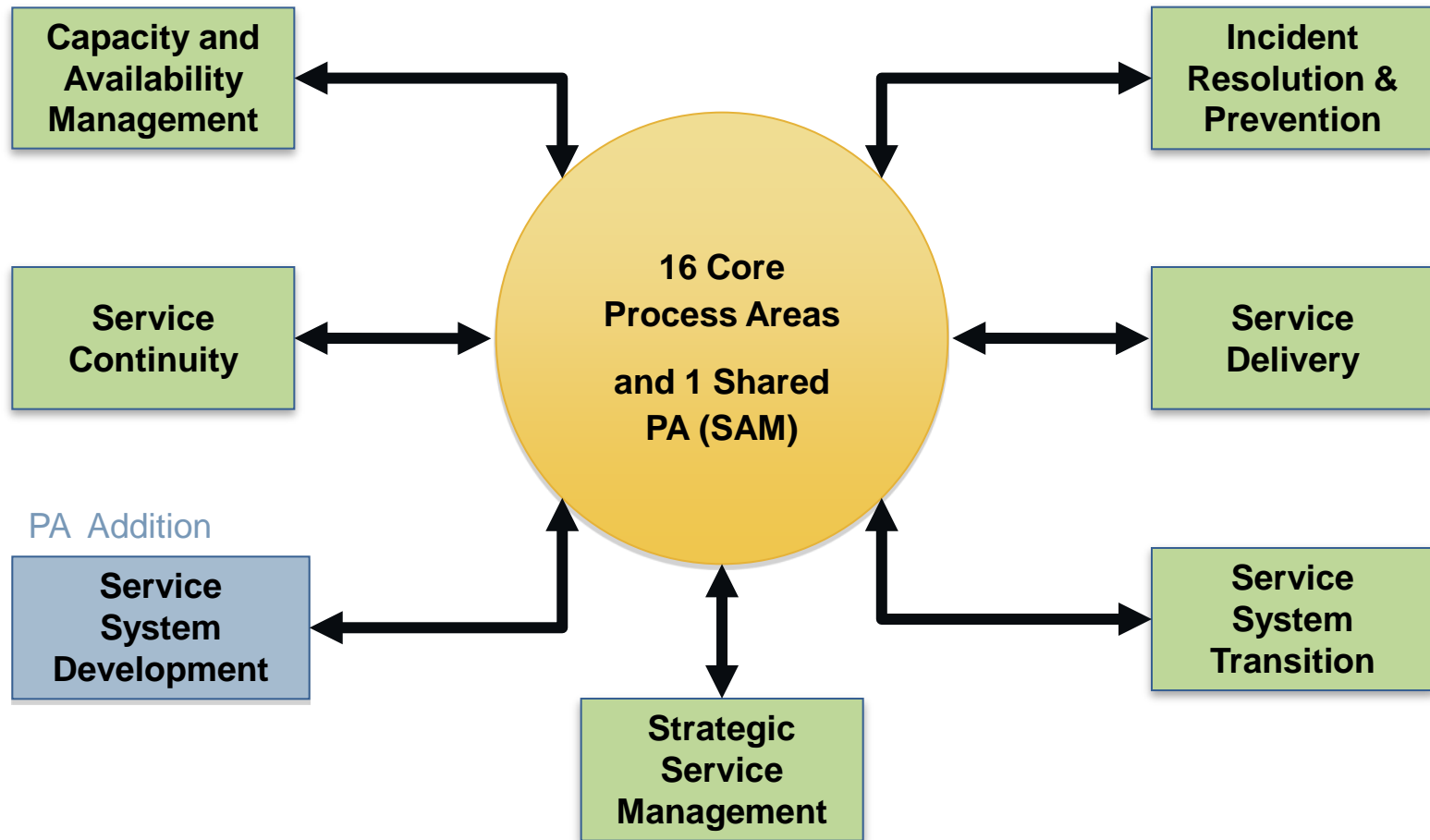
Acquisition Process Areas



Visibility into the Team's Capability



CMMI-SVC V1.2

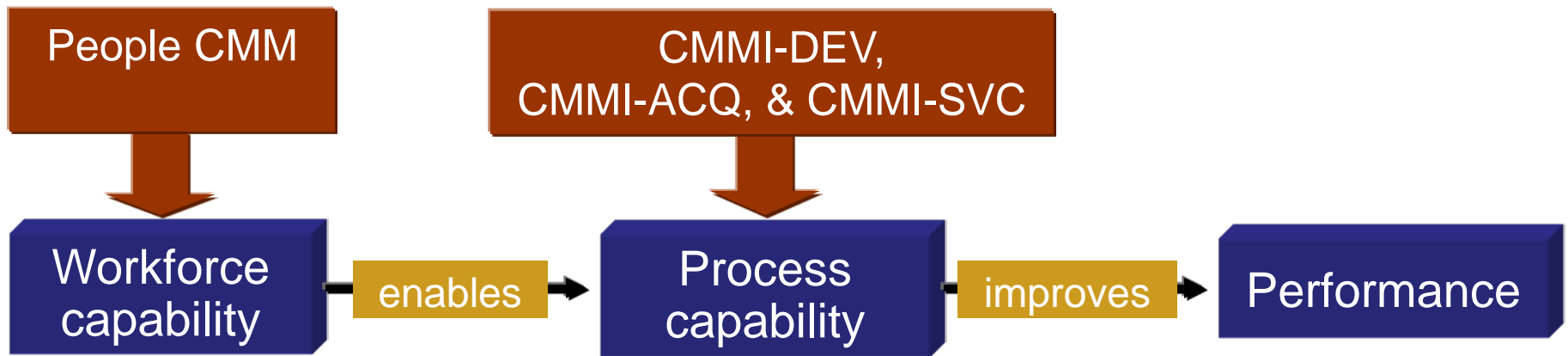


People CMM Primary Objective

The primary objective of CMMI (DEV, ACQ, SVC) is to improve the capability of an organization's **processes** within specific domains.

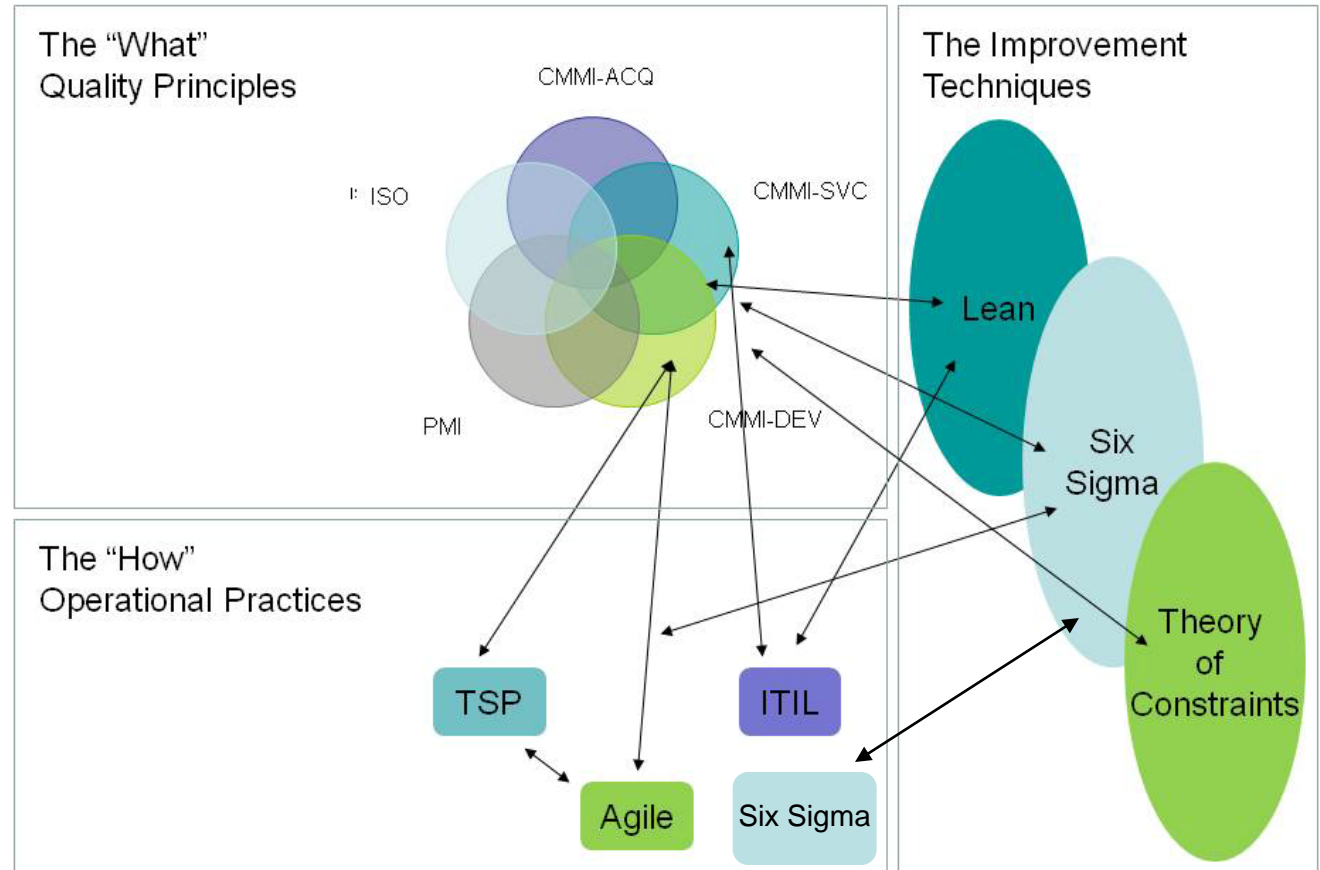
The primary objective of the People CMM is to improve the capability of an organization's **workforce** through enhanced management and human capital processes.

*(The People CMM defines **capability** as the level of **knowledge**, **skills**, and **process abilities** available within each workforce competency of the organization to build its products or deliver its services.)*



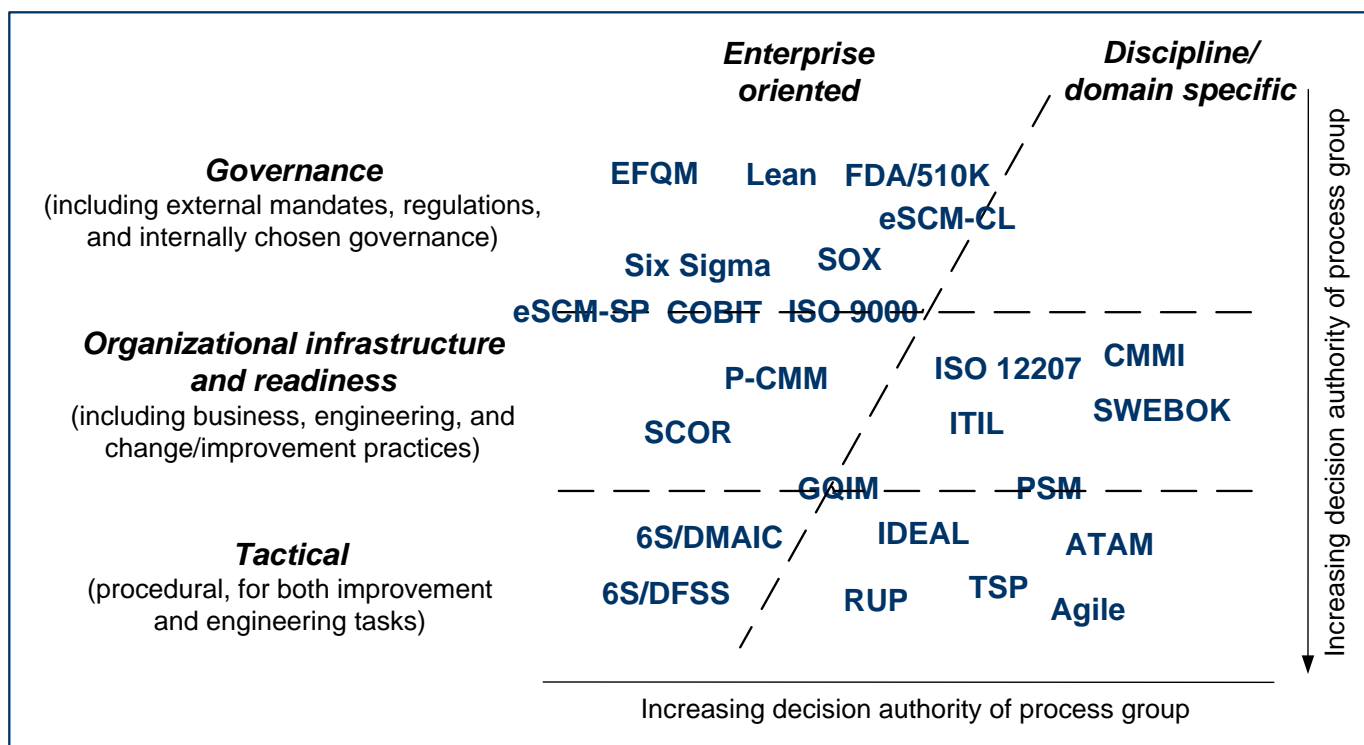
CMMI Planned Elements – Multi-Model (1)

Improving the interfaces is of interest to both government and industry....

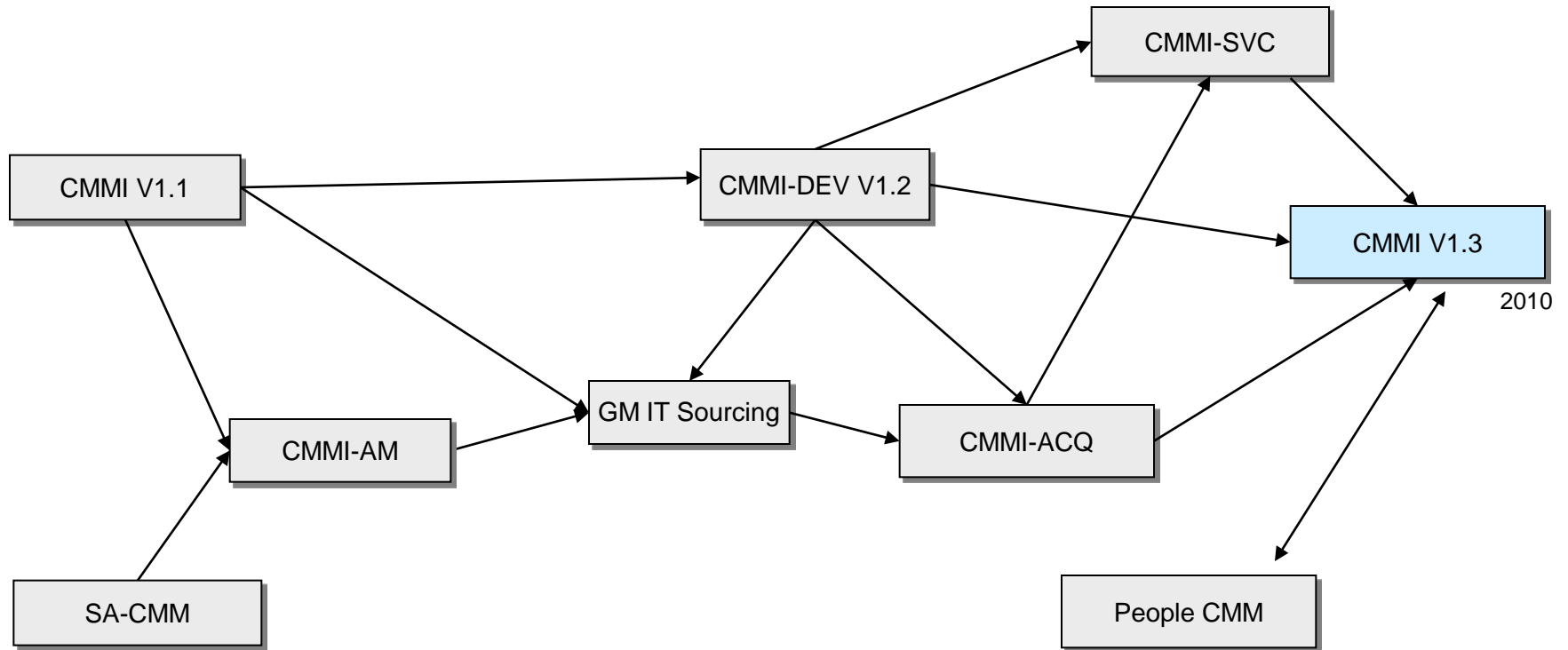


CMMI Planned Elements – Multi-Model (2)

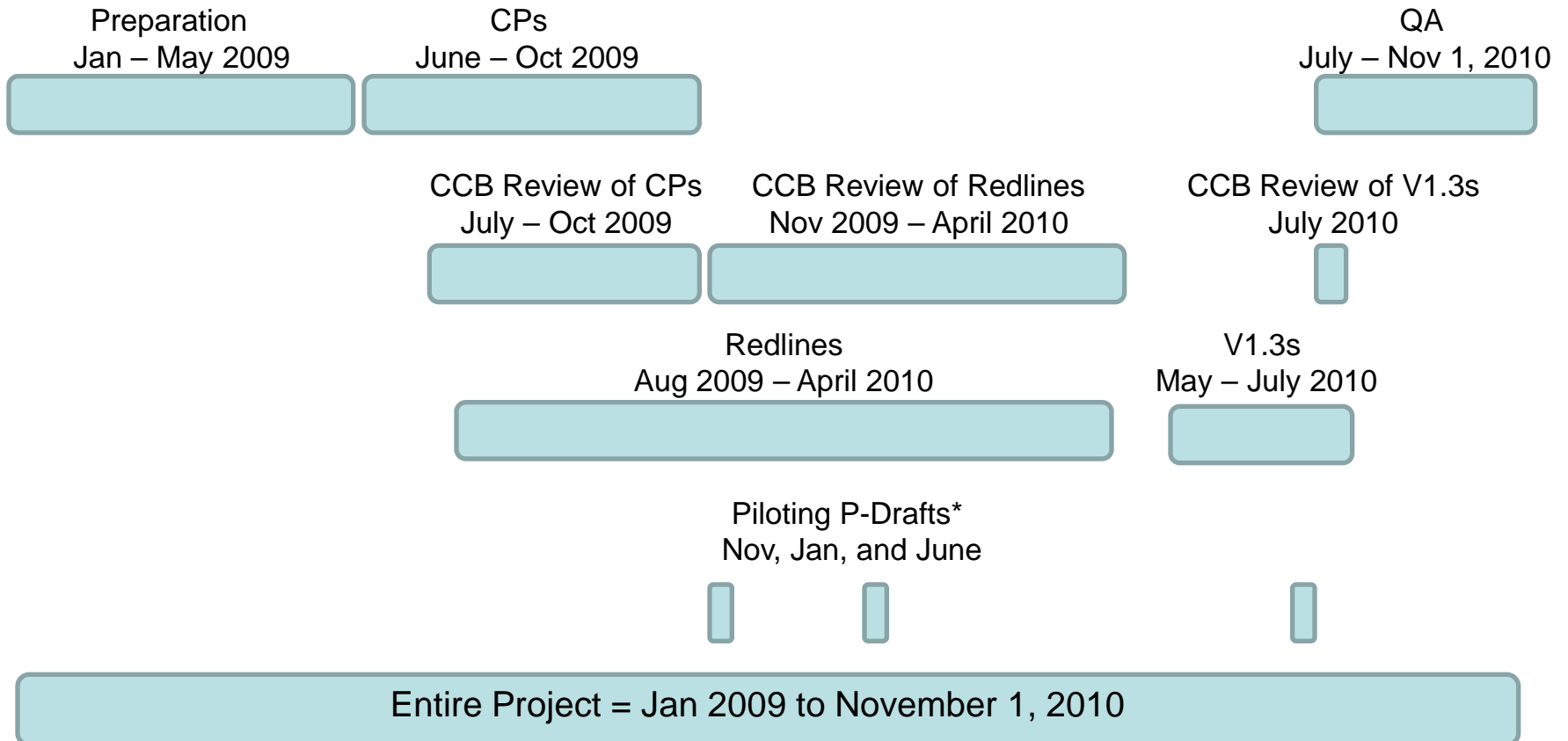
Multiple models complicate process improvement – but make it much more powerful by addressing specific needs in various environments....



Planned Sequence of Models



Schedule for CMMI V1.3 Models



* Piloting will include candidate solutions for appraising multiple constellations as well as a training approach for CMMI.



CMMI V1.3 Criteria

Correct identified model, training material, or appraisal method defects or provide enhancements.

Incorporate amplifications and clarifications as needed.

Accommodate potential additions to model coverage (e.g., safety, security, life cycle) only by specific direction of the CMMI Steering Group.

Decrease overall model size in v1.3 if possible; increases, if any, must not be greater than absolutely necessary.

Model and method changes should avoid adversely impacting the legacy investment of adopting companies and organizations.

Changes to model architecture will only be incorporated with specific CMMI Steering Group authorization.

Changes may only be initiated by Change Requests or the CMMI Steering Group.

Editorial changes to training may be released in advance of v1.3.

Changes must not cause retraining of the nearly 100,000 (as of Dec 2008) personnel already trained in CMMI. Upgrade training may be needed, especially for Instructors, Lead Appraisers, and appraisal team members.



CMMI Product Suite, Version 1.3

Version 1.3 will focus on but not be limited to the following:

- High Maturity
- Appraisal efficiency
- Consistency across constellations
- Simplify the generic practices

Version 1.3 is change request (CR) driven. Events such as this conference presentation are for information sharing and dialogue.



What Have We Missed?

Now let's chat....

