

CMMI V3.0 주요 변경 사항

Capability Maturity Model Integration

[Source : isaca.org](https://isaca.org)

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1 주요 변경

1 View/Domain 확대

: **Development**, Services, Suppliers, Safety, Security, Virtual, Data, People 총 8개

2 Practice Area 일부 변경

: **SSS**(Supplier Source Selection), **SAM**(Supplier Agreement Management) SAM 1개로 통합

3 Practice 문구 일부 변경

: **Practice** Intent, Value, Statement 등 모델의 문구 및 단어 일부 변경

※ CMMI-Development 영역의 큰 변화는 없음

Core Practice Area - 17개

PLAN (Planning)
MC (Monitor and Control)
EST (Estimating)
RSK (Risk and Opportunity Management)
OT (Organizational Training)
CM (Configuration Management)
CAR (Casual Analysis and Resolution)
DAR (Decision Analysis and Resolution)
RDM (Requirements Development and Management)
PR (Peer Reviews)
VV (Verification and Validation)
PQA (Process Quality Assurance)
GOV (Governance)
II (Implementation Infrastructure)
PAD (Process Asset Development)
PCM (Process Management)
MPM (Managing Performance Measurement)



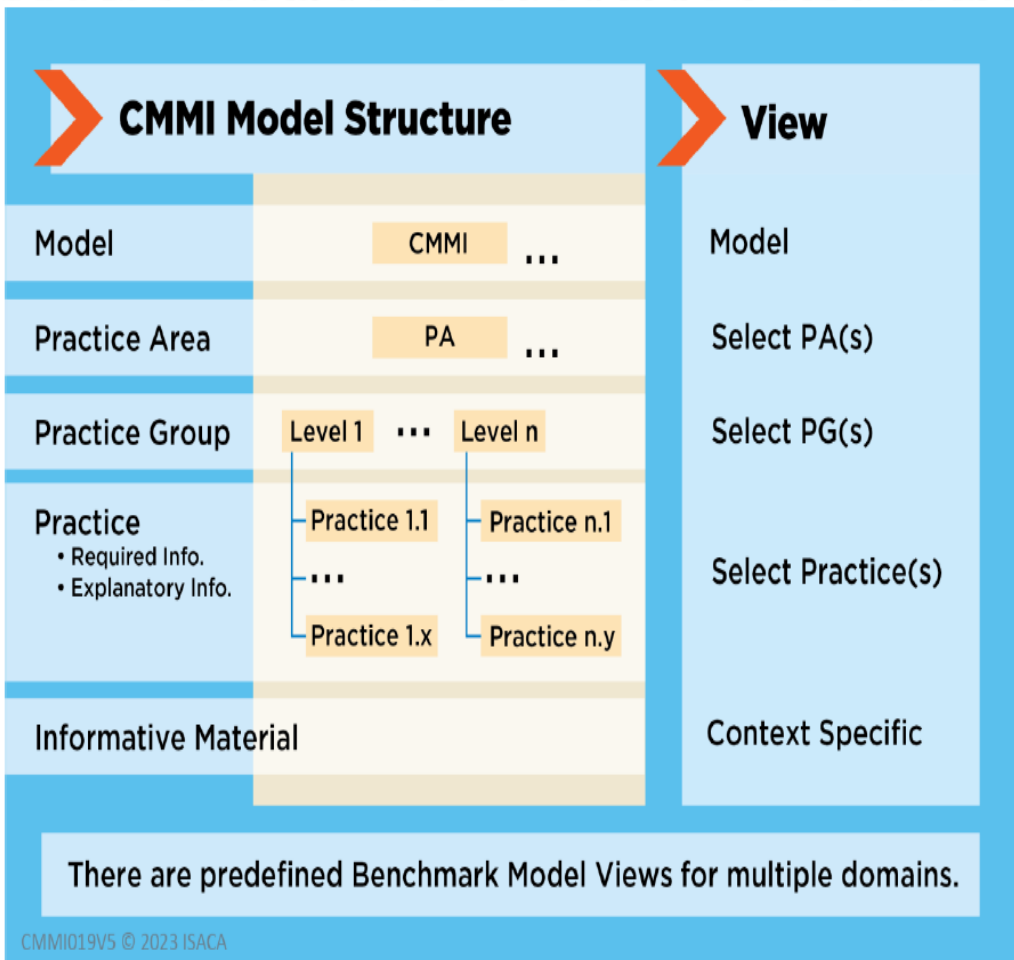
Domain - 8개

"primary"	Development	TS (Technical Solution) PI (Product Integration)
	Services	CONT (Continuity) IRP (Incident Resolution & Prevention) SDM (Service Delivery Management) STSM (Strategic Service Management)
"확장"	Suppliers	
	Safety	
	Security	
	Virtual	
	Data	
	People	

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Structure & Category

CMMI Model Structure



Categories and Associated Capability Areas





GOV (Governance)

GOV 2.2 Senior management **ensures resources and training** are provided for developing, supporting, performing, improving, and evaluating adherence to expected processes.

경영진의 "funding" 제공을 명시적으로 표현

GOV 2.2 Senior management **provides funding, resources, and training** for developing, supporting, performing, improving, and evaluating adherence to processes.



II (Implementation Infrastructure)

- II 4.1 Develop the **organizational capability** to understand and apply **statistical and other quantitative techniques** to accomplish the work.

Practice 추가 (조직차원의 통계적/정량적 역량 확보)



PAD (Process Asset Development)

- PAD 3.3** Develop, keep updated, and make processes and assets available for use.
- PAD 3.5** Develop, keep updated, and make the organization's process asset library available for use.

PAD 3.3과 3.5를 한개의 Practice로 통합

- PAD 3.3** Develop, keep updated, and make the organization's processes and assets available for use in a process asset library.



PCM (Process Management)

PCM 3.6 **Evaluate** the effectiveness of deployed improvements in achieving process improvement objectives.



"Evaluate"를 "Evaluate and report"로 변경

PCM 3.6 **Evaluate and report** the effectiveness of deployed improvements in achieving process improvement objectives.



PLAN (Planning)

PLAN 2.6 Ensure plans are feasible by reconciling **available** and estimated resources.

가용한 자원에 대한 수용량 까지 고려하여 계획

PLAN 2.6 Ensure plans are feasible by reconciling estimates against **capacity and availability** of resources.



RDM (Requirements Development and Management)

- RDM 2.1** Elicit stakeholder needs, expectations, constraints, and interfaces or connections.
- RDM 2.3** Develop an understanding with the requirements providers on the meaning of the requirements.

2.1과 2.3를 1개로 통합

- RDM 2.1** Elicit stakeholder needs, expectations, constraints, and interfaces or connections, and confirm understanding of the requirements.

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모델 세부 변경 - 동료 검토



PR (Peer Review)

Intent : Identify and address **work product issues** through reviews by the producer's peers or Subject Matter Experts (SMEs).



"process performance" issue도 검토하고 조치

Intent : Identify and address **process performance and work product issues** through reviews by the producer's peers or Subject Matter Experts (SMEs).



MPM (Managing Performance Measurement)

MPM 5.3 Select and implement improvement proposals, based on the statistical and quantitative analysis of the expected effect of proposed improvements on **meeting business**, quality, and process performance objectives.



**Level 5 단계에서는 사업목표 준수를 넘어
목표를 최적화 하는 활동으로 확대**

MPM 5.3 Select and implement improvement proposals, based on the statistical and quantitative analysis of the expected effect of proposed improvements on **meeting and optimizing business**, quality, and process performance objectives.



CAR (Casual Analysis and Resolution)

CAR 3.1 Determine **root causes** of selected outcomes by following an organizational process.



Level 3 요건 완화 "root cause"는 Level 4,5에서 요구

CAR 3.1 Determine **causes** of selected outcomes by following an organizational process.