# CMMI Process Areas

Capability Maturity Model® Integration (CMMI®) is a process improvement approach that provides organizations with the essential elements of effective processes (src. Wikipedia)

**Capability Levels**
0. Incomplete
1. Performed
2. Managed
3. Defined
4. Quantitatively Managed
5. Optimizing

**Maturity Levels**
1. Initial
2. Managed
3. Defined
4. Quantitatively Managed
5. Optimizing

**Key**
➲ Related Process Area
Dashed box – advanced Process Areas

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## Process Management

**OPF Organisational Process Focus** 3
➲ OPD

**OPD Organizational Process Definition +IPPD** 3
➲ OPF

**OT Organizational Training** 3
➲ OPD, PP, DAR

**OPP Organizational Process Performance** 4
➲ QPM, MA

**OID Organizational Innovation and Deployment** 5
➲ OPD, OPF, OT, OPP, MA, IPM, DAR

## Project Management

**PP Project Planning** 2
➲ REQM, RD, RSKM, TS

**PMC Project Monitoring and Control** 2
➲ PP, MA

**SAM Supplier Agreement Management** 2
➲ PMC, REQM, RD, TS

**IPM Integrated Project Management + IPPD** 3
➲ PP, PMC, VER, OPD, MA

**RSKM Risk Management** 3
➲ PP, PMC, DAR

**QPM Quantitative Project Management** 4
➲ PMC, MA, OPP, OPD, IPM, CAR

## Engineering

**REQM Requirements Management** 2
➲ RD, TS, PP, CM, PMC, RSKM

**RD Requirements Development** 3
➲ REQM, TS, PI, VER, VAL, RSKM, CM

**TS Technical Solution** 3
➲ RD, VER, DAR, REQM, OID

**PI Product Integration** 3
➲ RD, TS, VER, VAL, RSKM, DAR, CM, SAM

**VER Verification** 3
➲ VAL, RD, REQM

**VAL Validation** 3
➲ RD, TS, VER

## Support

**CM Configuration Management** 2
➲ PP, PMC

**PPQA Process and Product Quality Assurance** 2
➲ PP, VER

**MA Measurement and Analysis** 2
➲ PP, PMC, CM, REQM, RD, OPD, QPM

**DAR Decision Analysis and Resolution** 3
➲ PP, IPM, RSKM

**CAR Causal Analysis and Resolution** 5
➲ QPM, OID, MA

## Generic Practices

| GP 1.1 Perform Specific Practices | GP 2.1 Establish an Organisational Policy | GP 2.2 Plan the Process | GP 2.3 Provide Resources | GP 2.4 Assign Responsibility | GP 3.1 Establish a Defined Process | GP 4.1 Establish Quant. Managed Process | GP 5.1 Ensure Continuous Process Improvement |
| --- | --- | --- | --- | --- | --- | --- | --- |
| | GP 2.5 Train People | GP 2.6 Manage Configuration | GP 2.7 Identify and Involve Relevant Stakeholders | GP 2.8 Monitor and Control the Process | GP 3.2 Collect Improvement Information | GP 4.2 Stabilize Subprocess Performance | GP 5.2 Correct Root Causes of Problems |
| | GP 2.9 Objectively Evaluate Adherence | GP 2.10 Review Status with Higher Level Management | | | | | |