

R&D

J. K. Kim

Top M.C. Consultant

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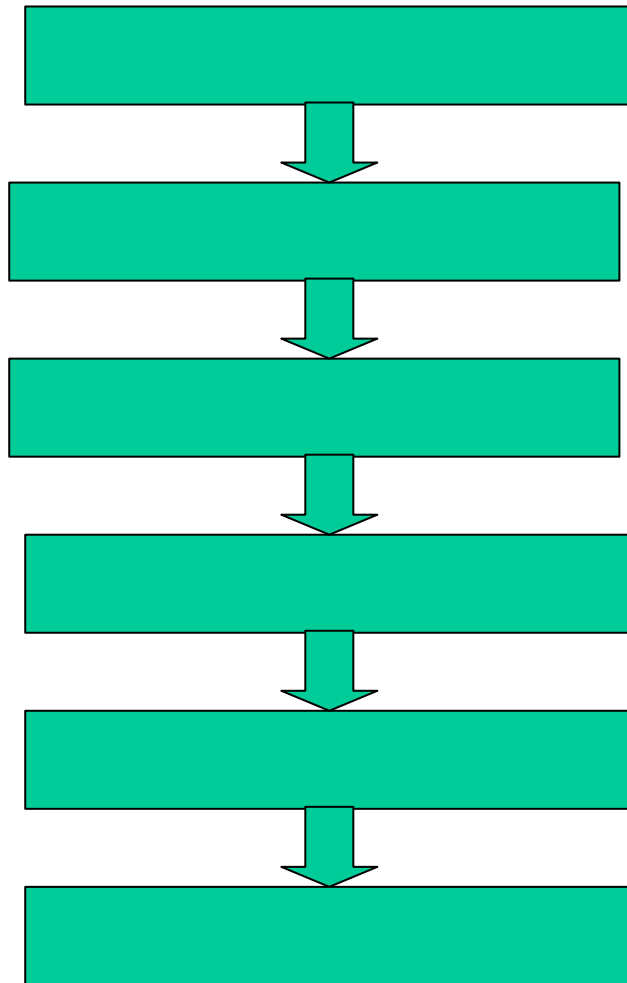
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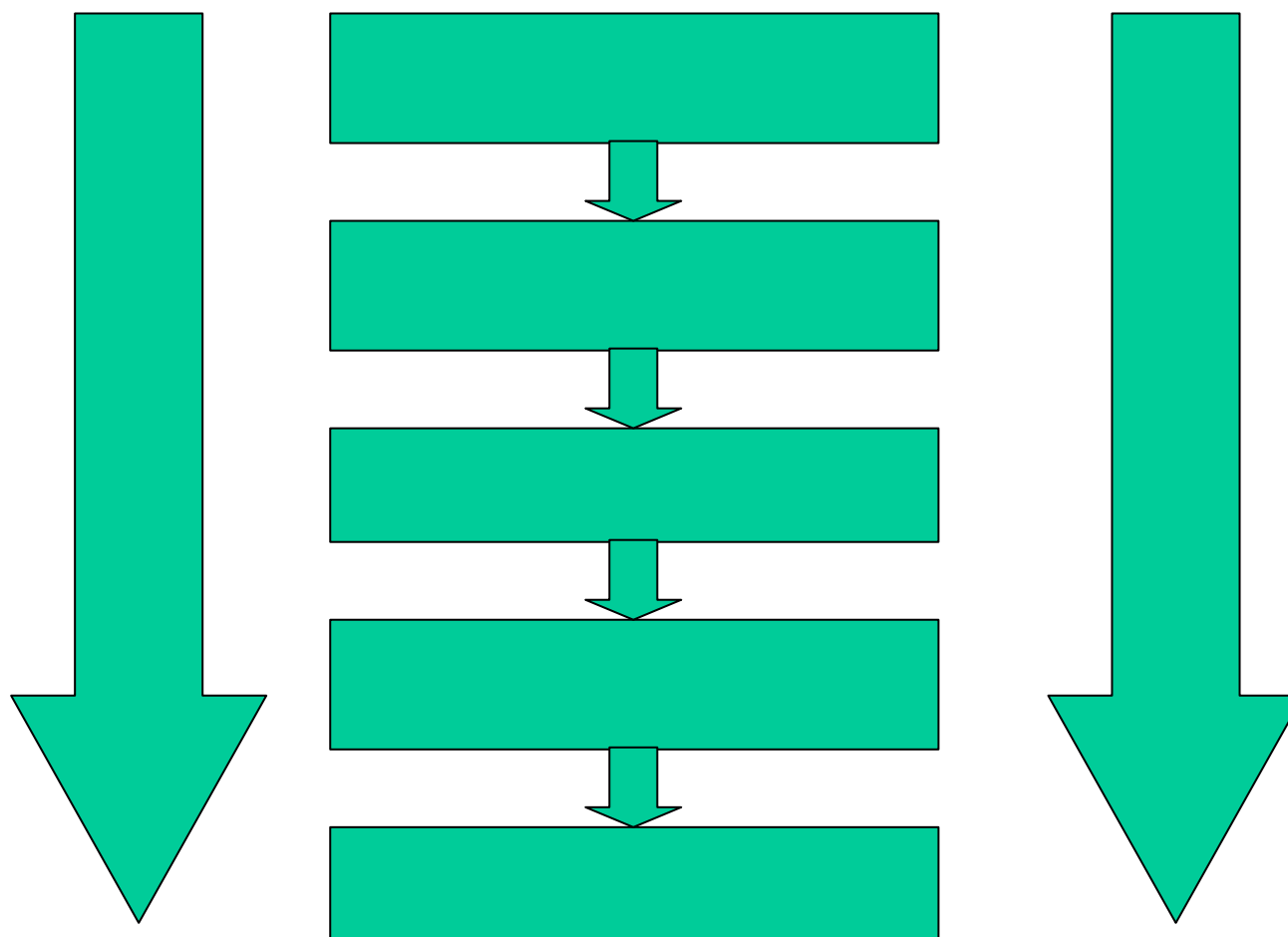


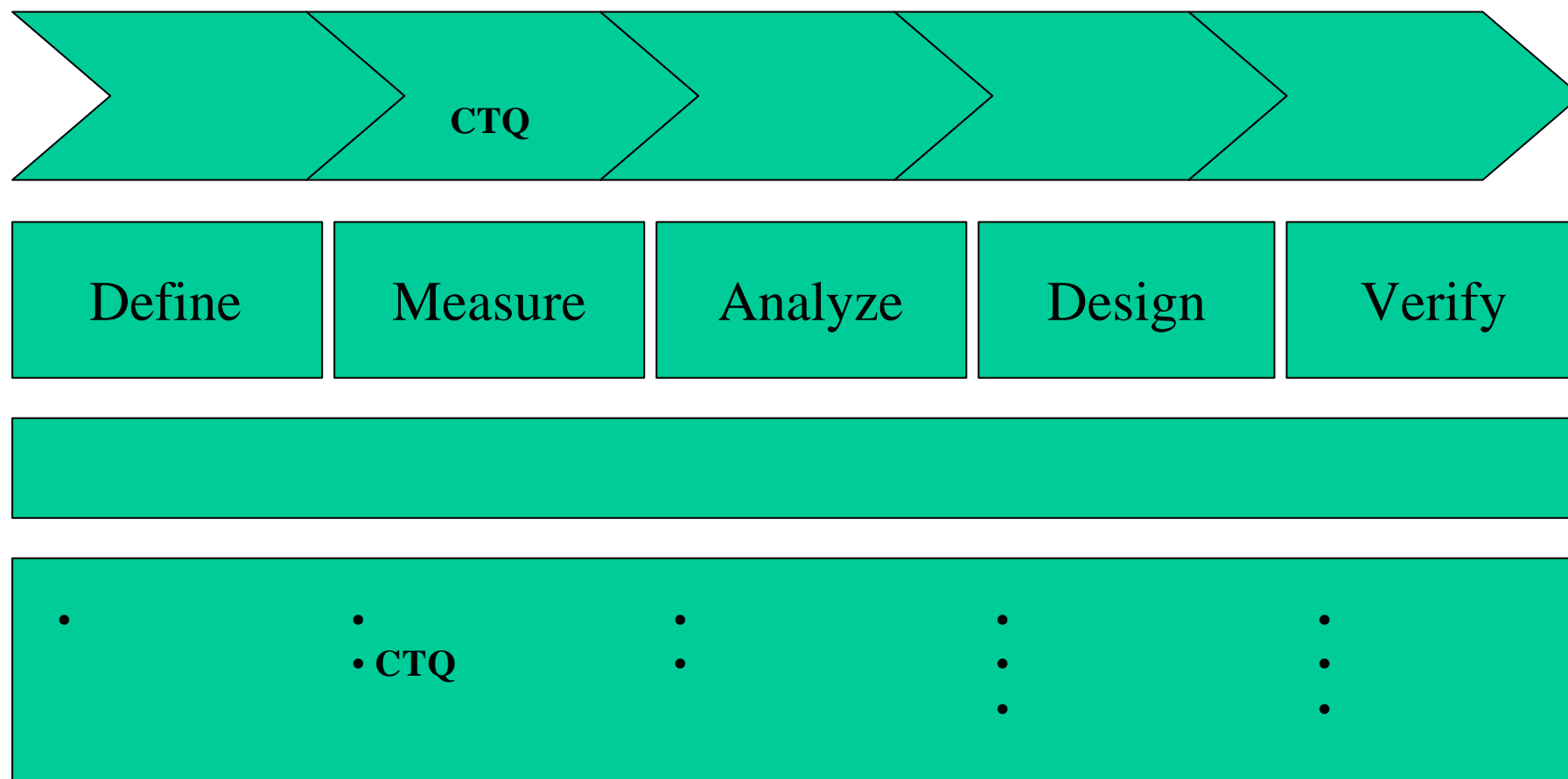
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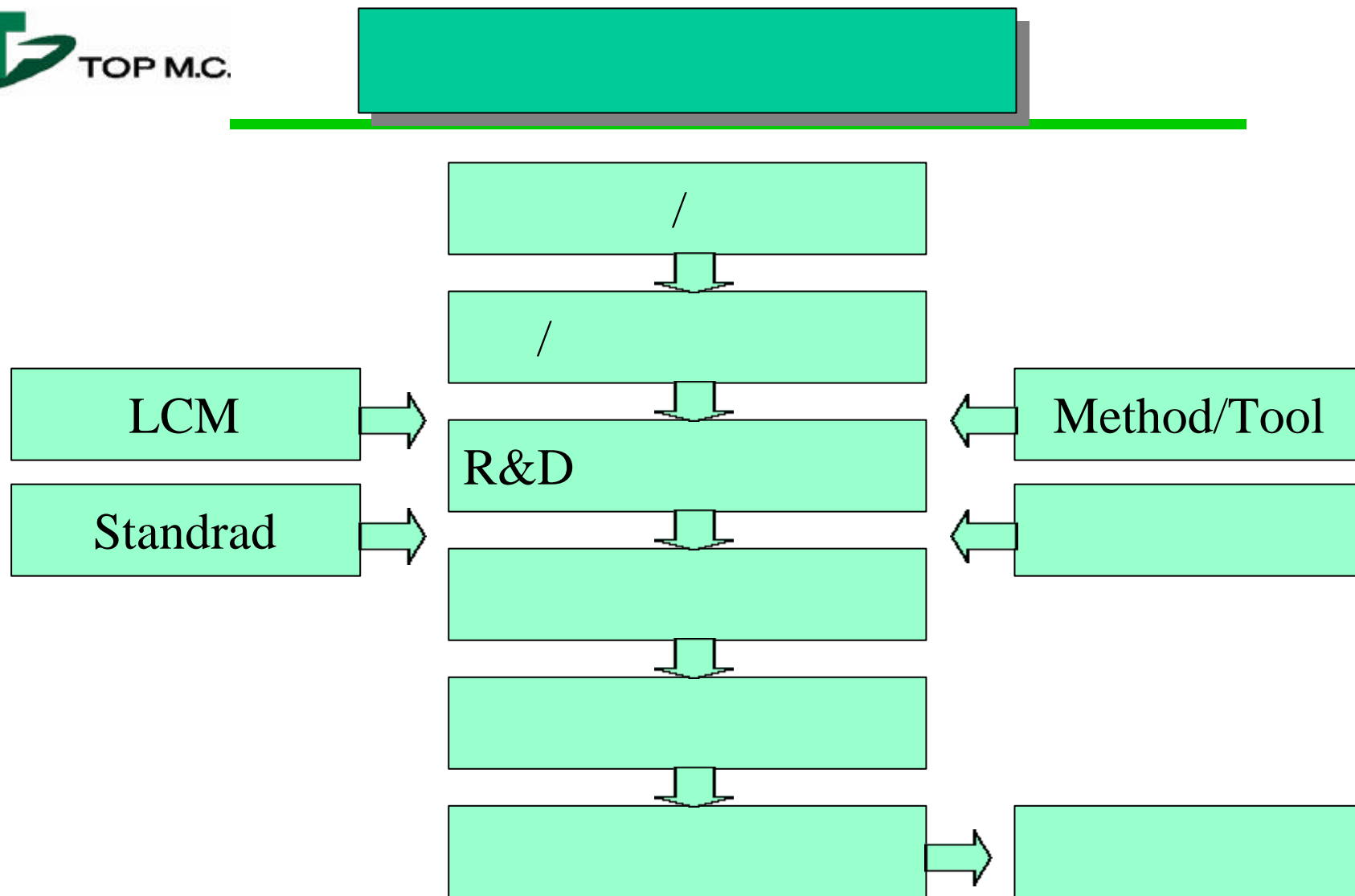
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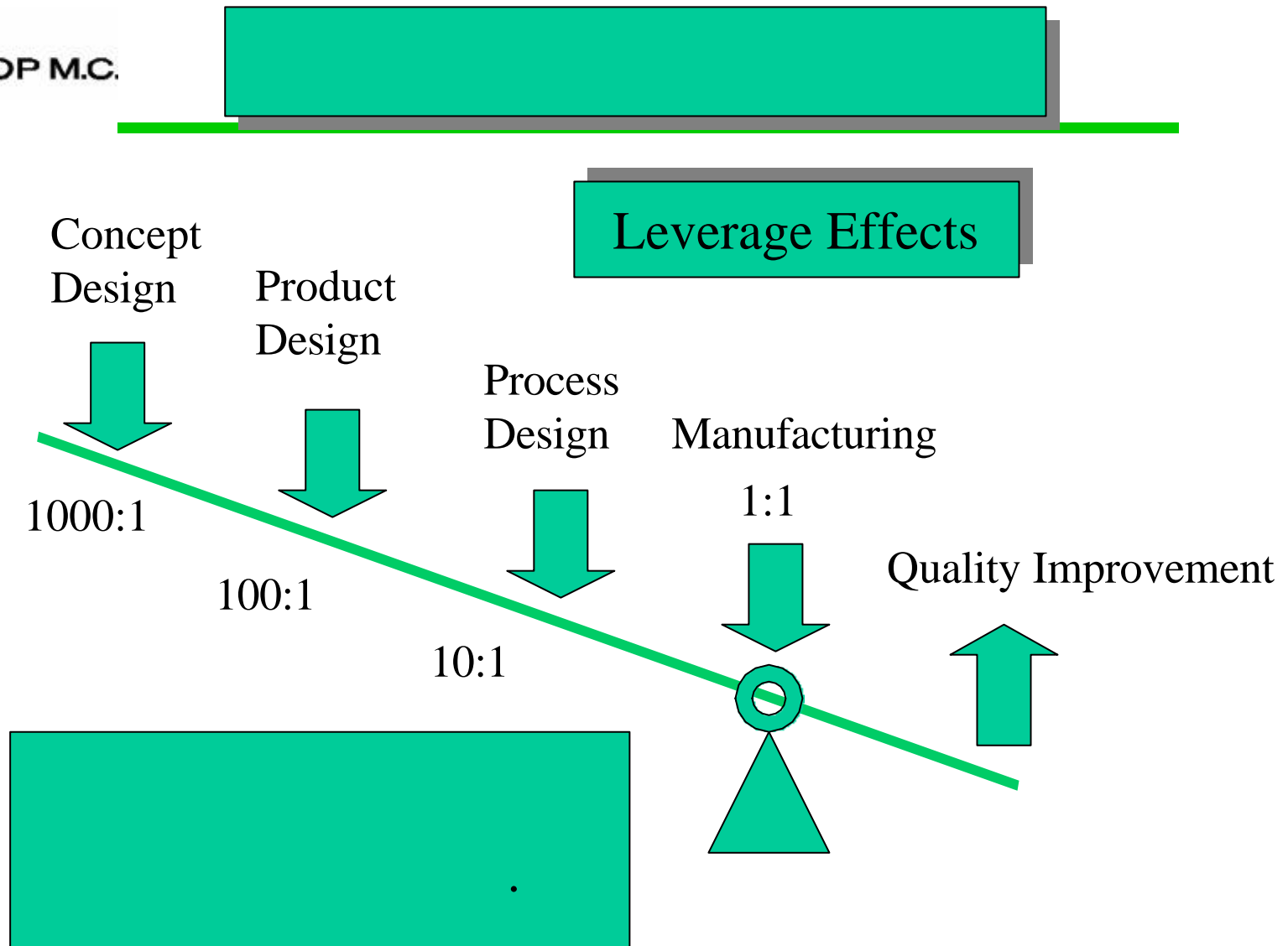
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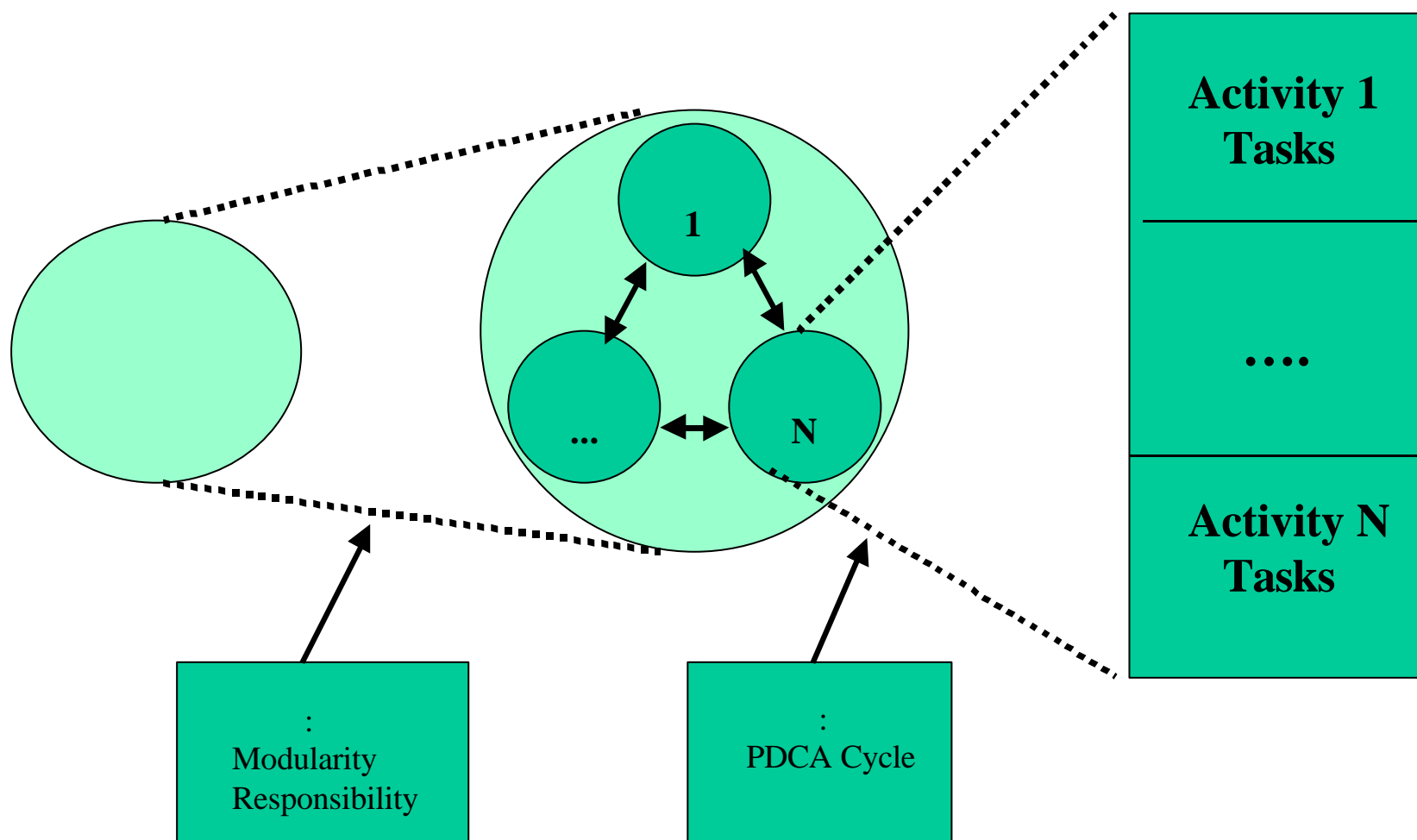




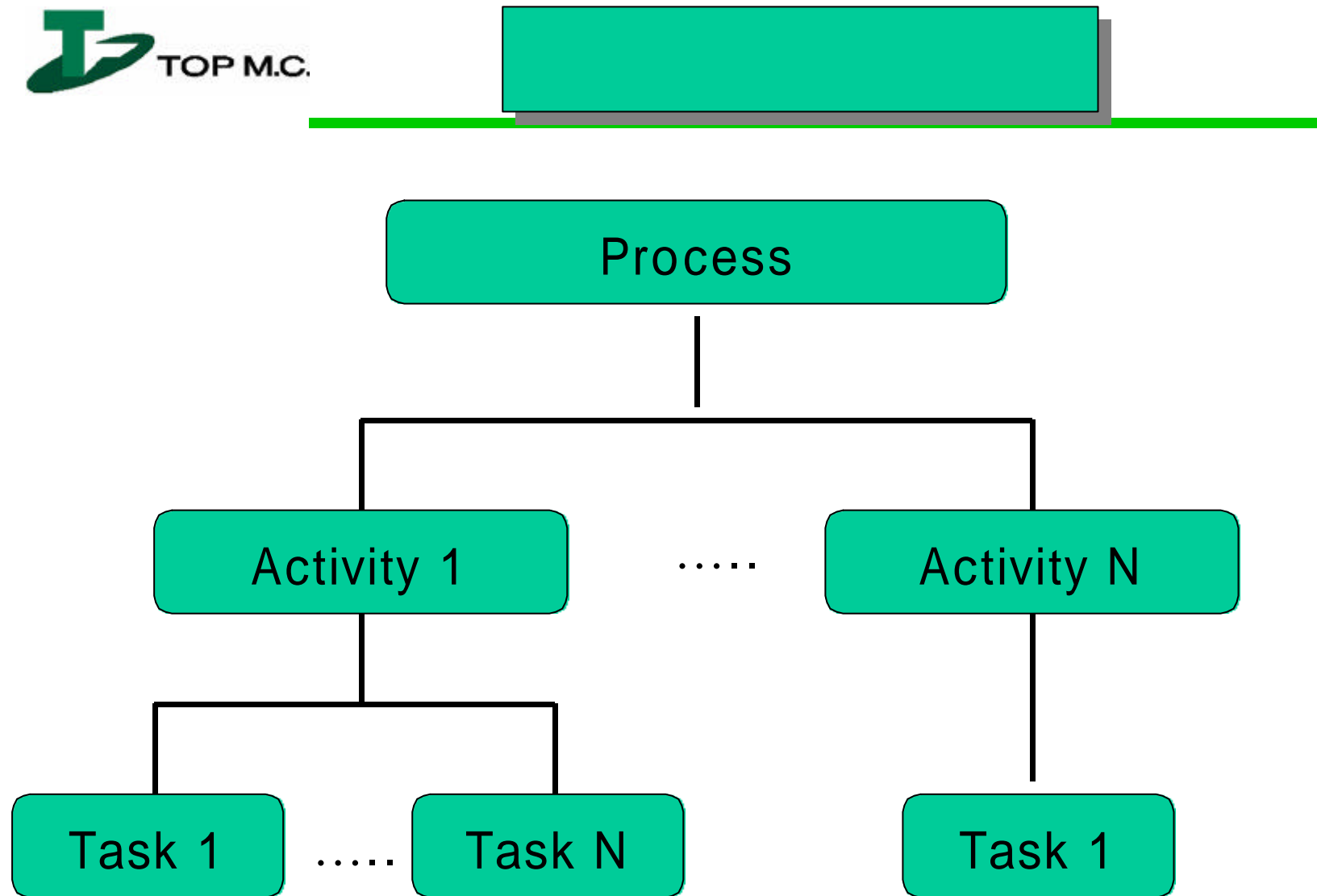


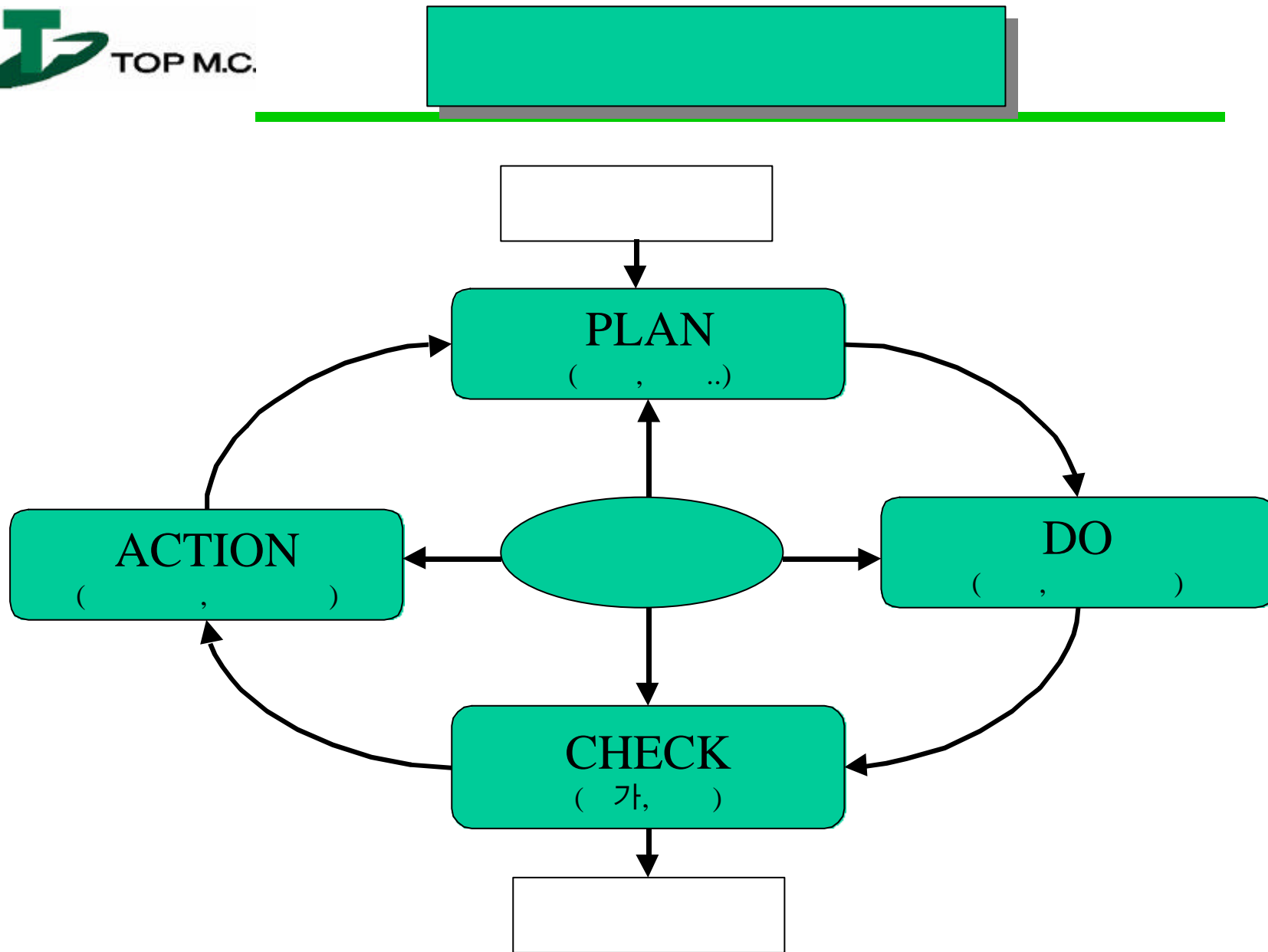






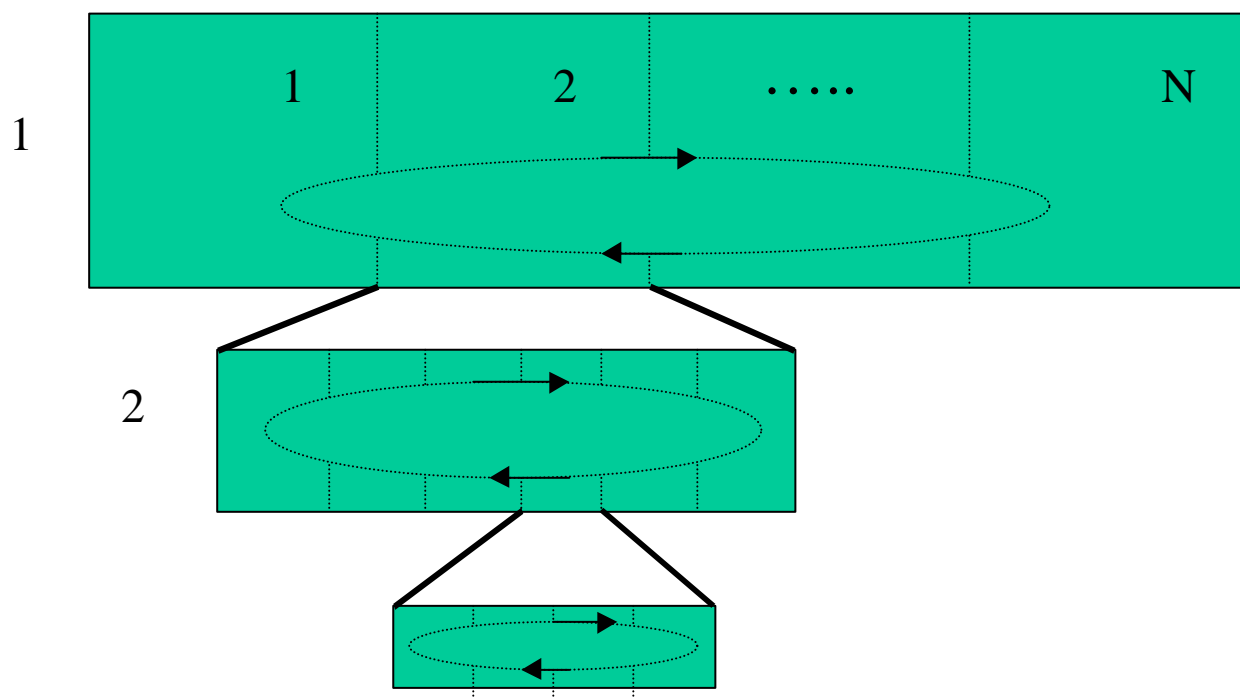
Life Cycle Model







(Tool) .





□ (Process)

Modularity Responsibility 가 가 .

□ (Activity)

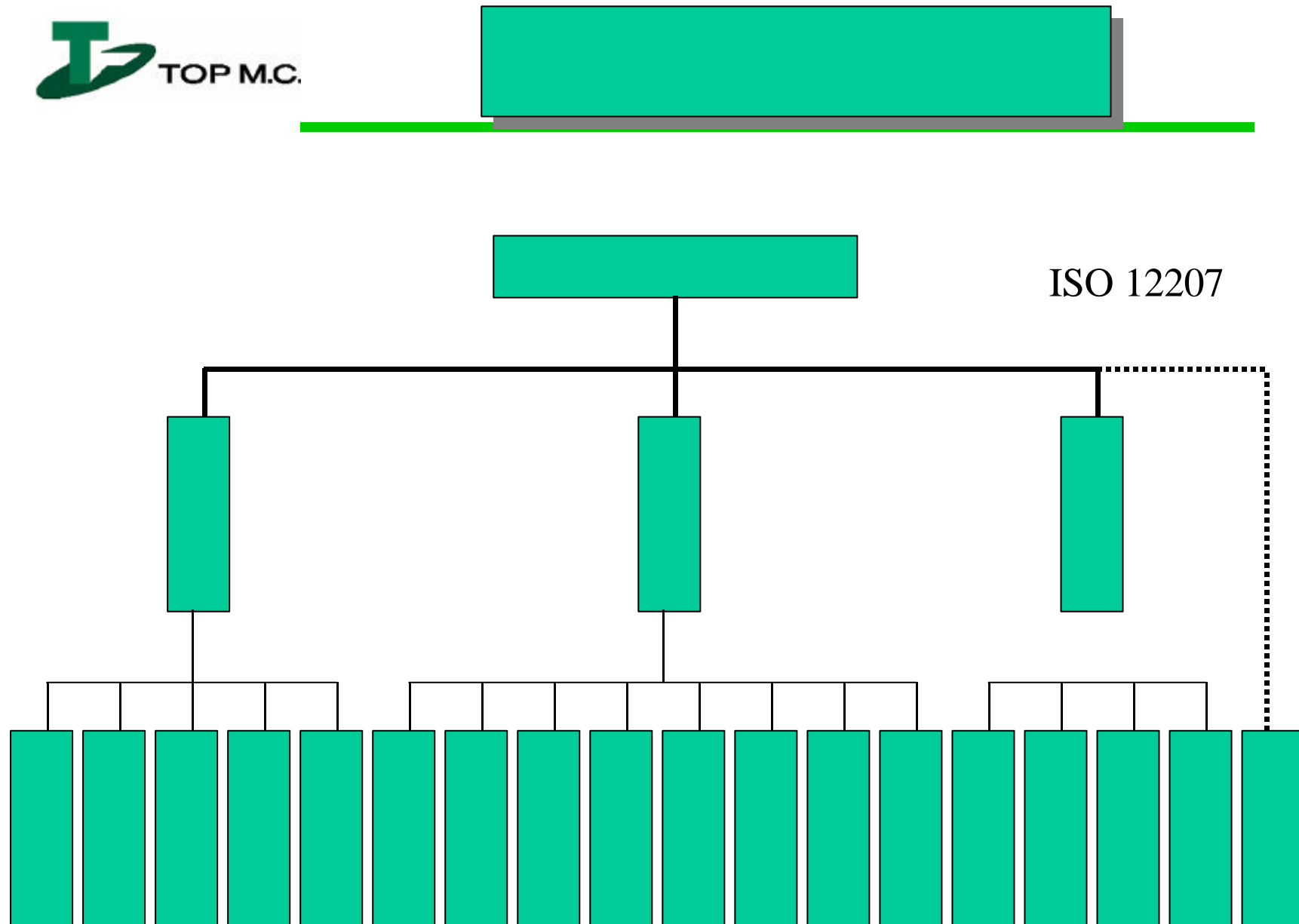
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□ (Task)

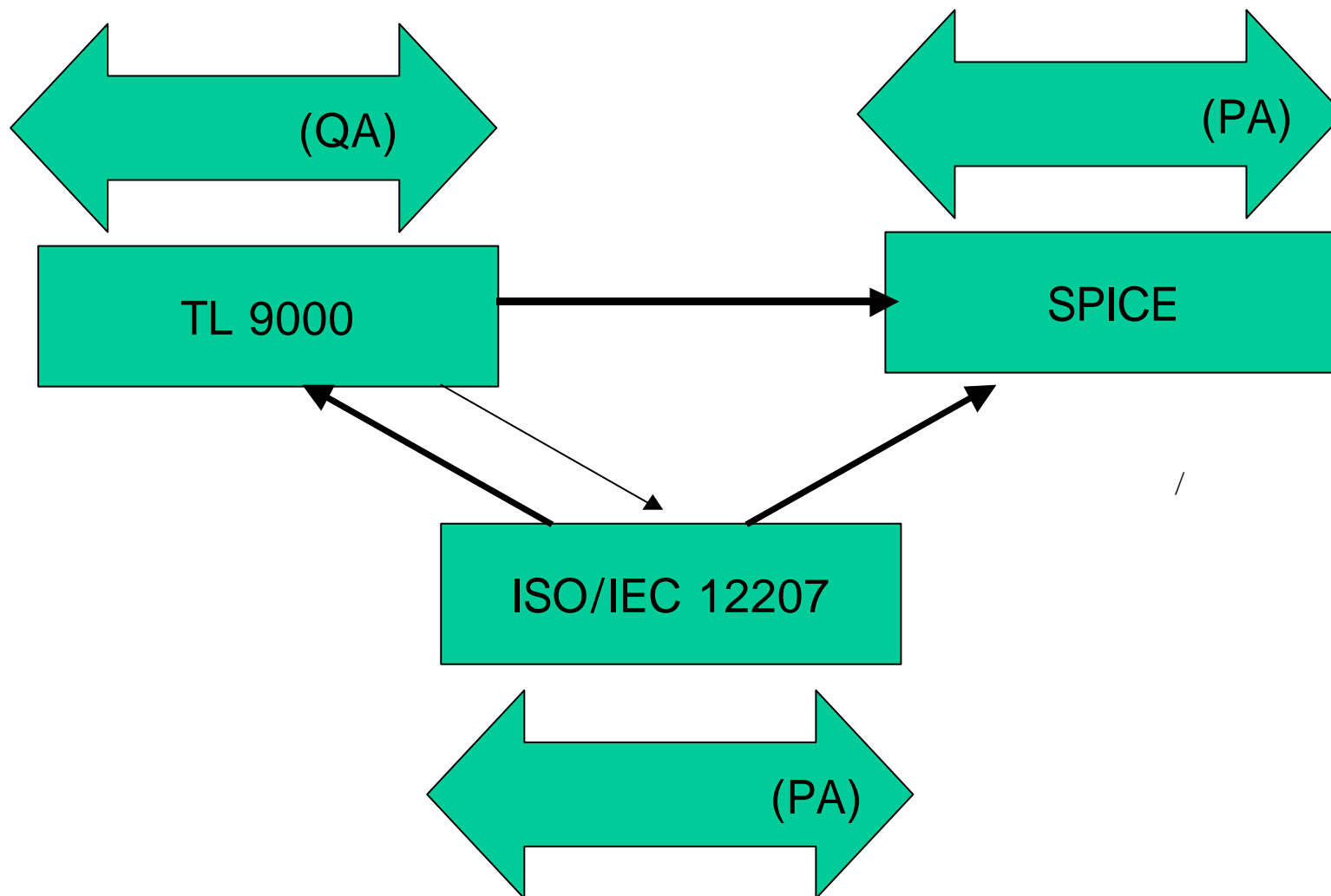
❖ (, (,))

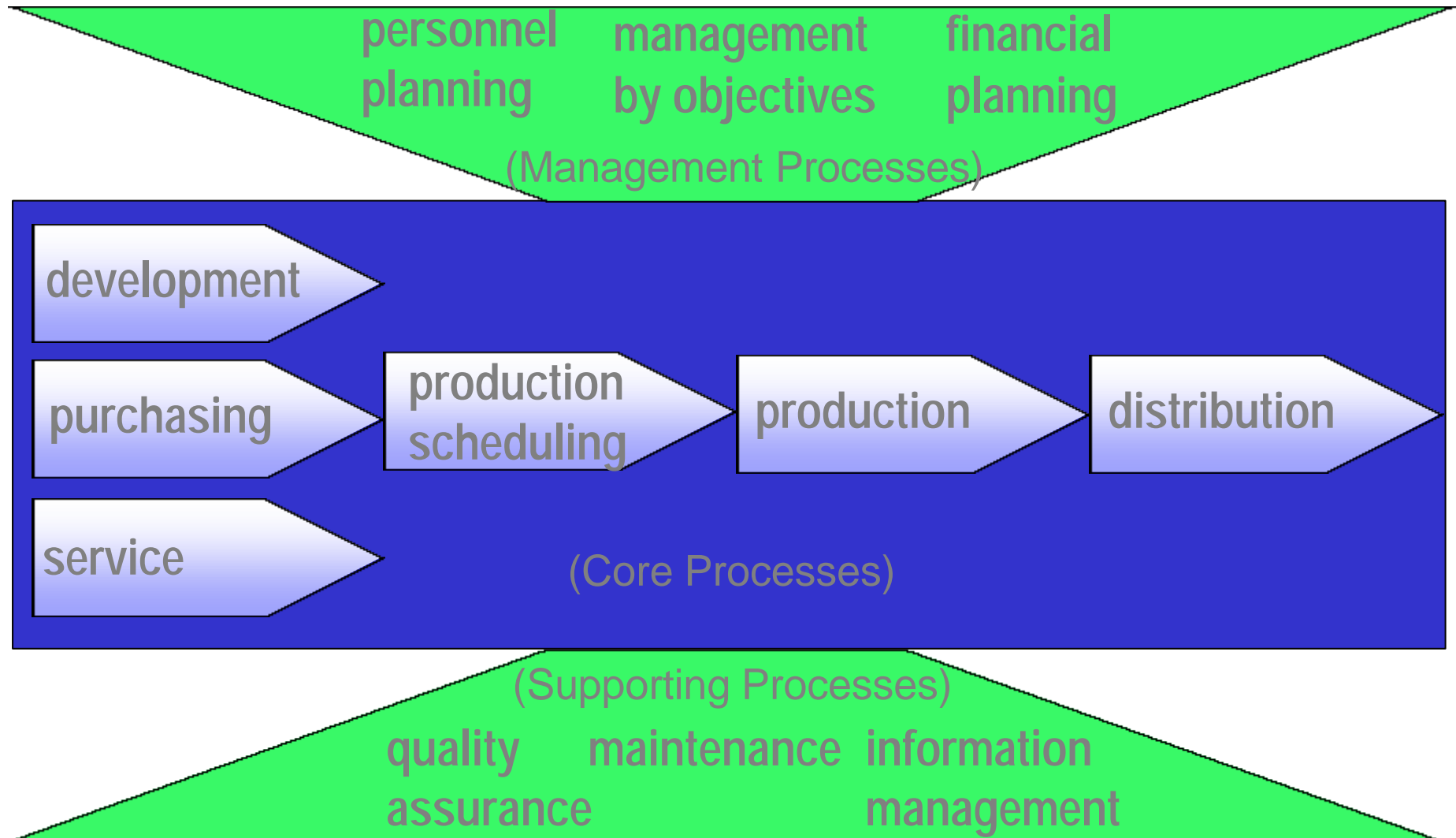
❖ Will, Shall, Should, May



TL 9000,SPICE

ISO 12207

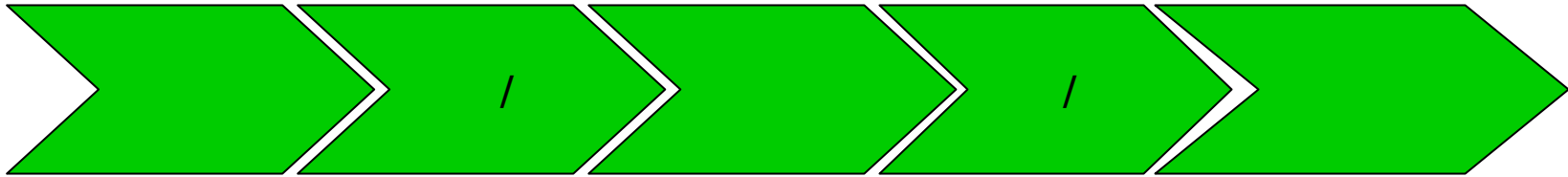




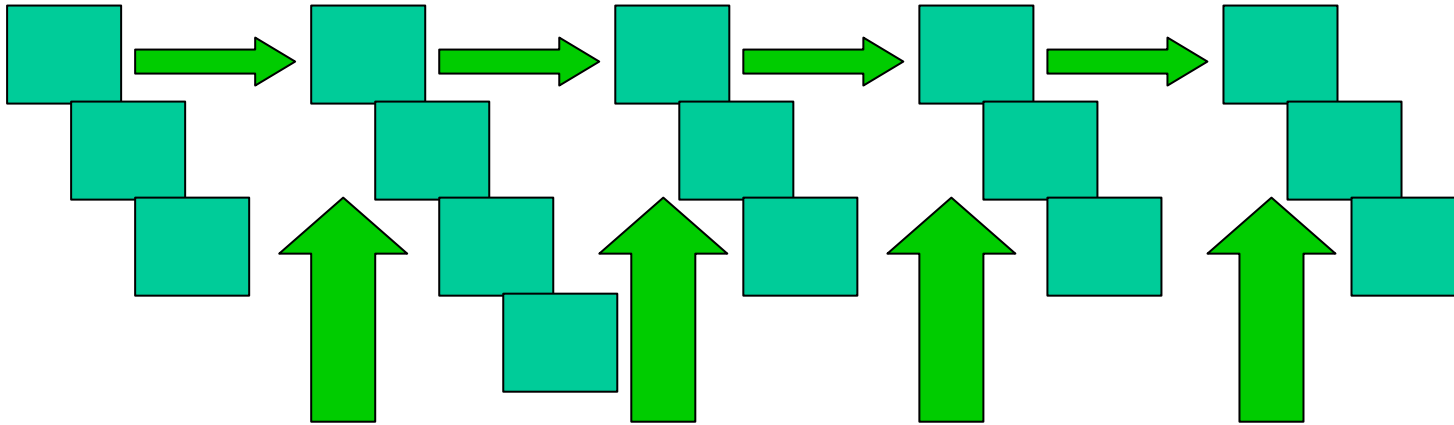
Life Cycle Model

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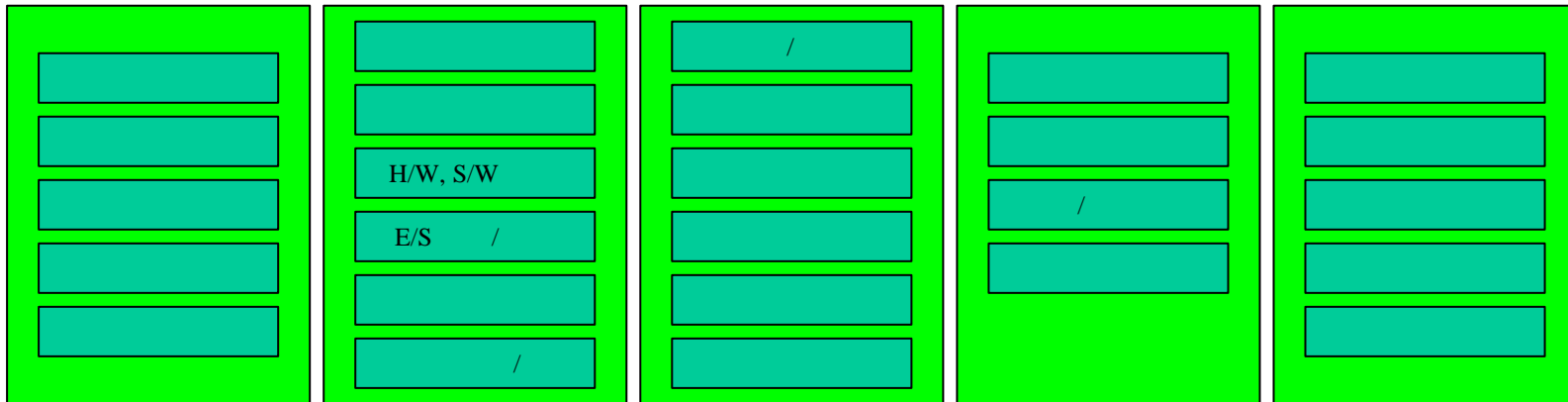
Processes



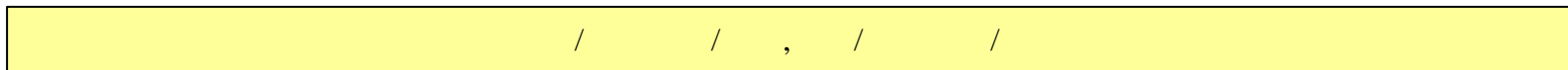
Phases



Activities



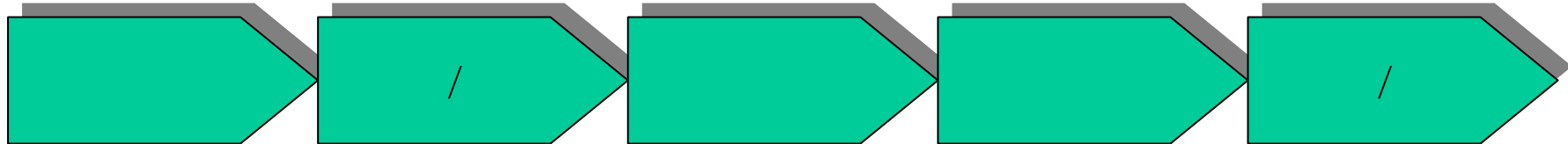
Supporting
Processes



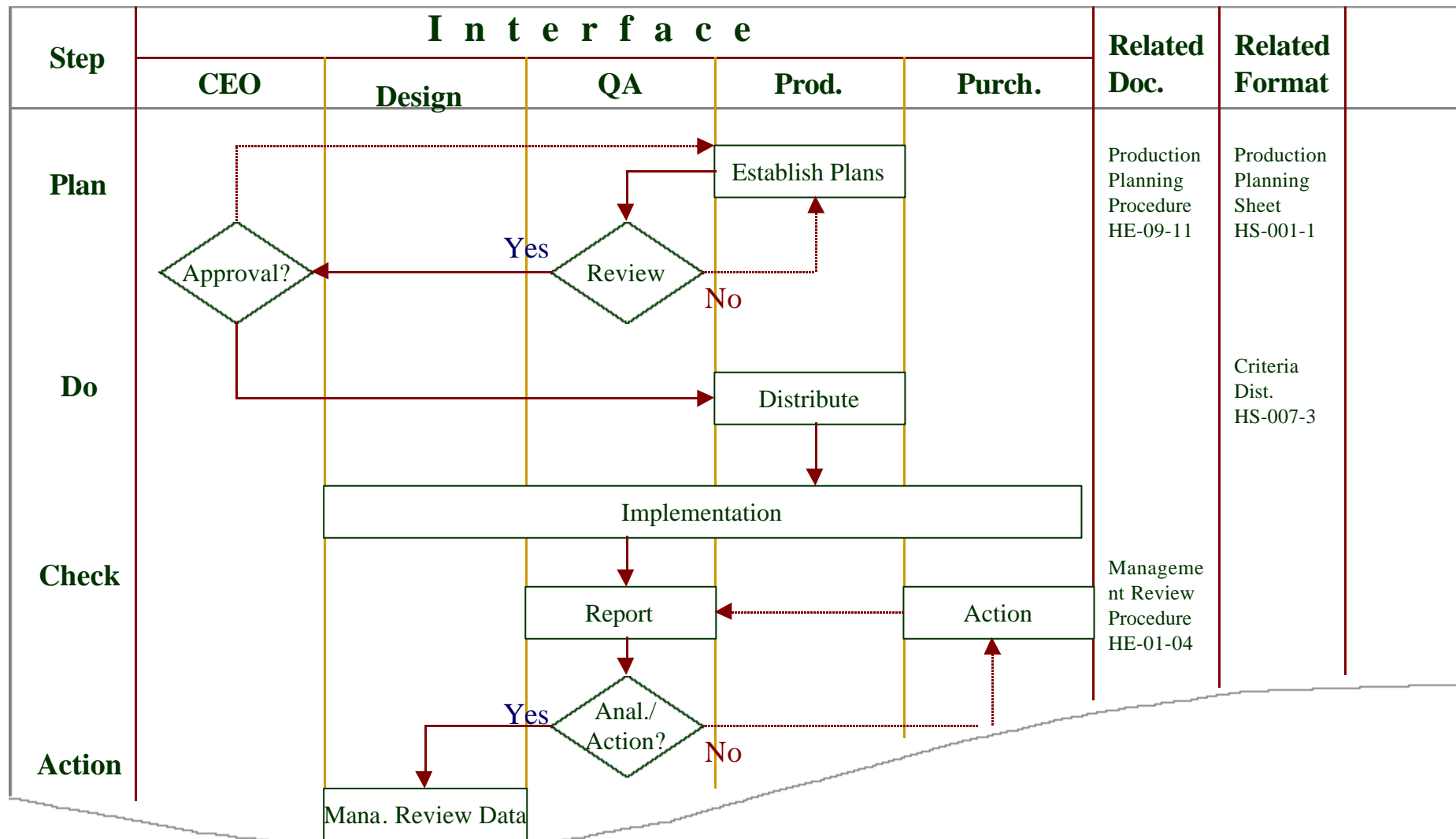
Life Cycle Model

LCM

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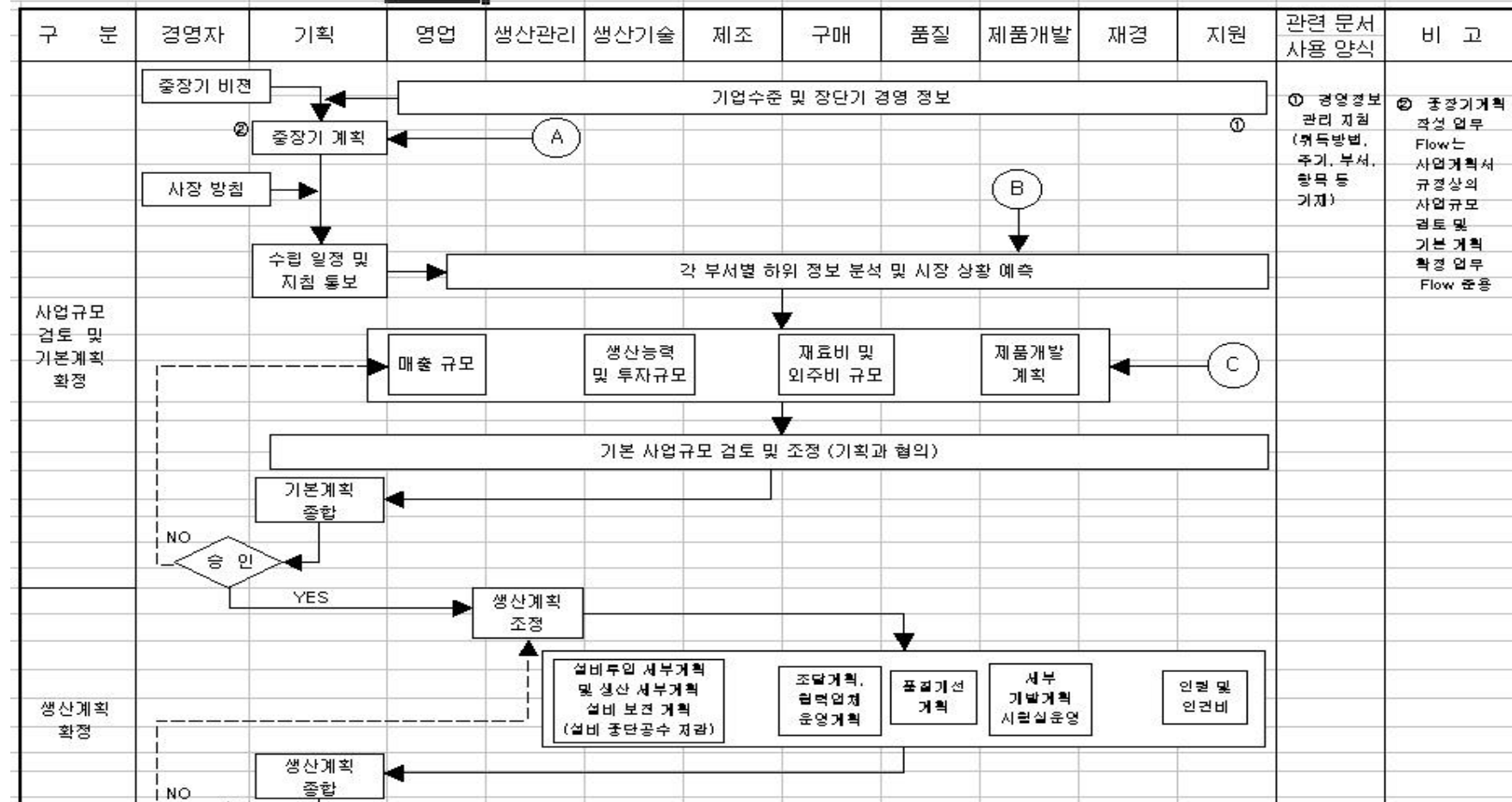


Life Cycle Model

사업계획 수립 및 운영 업무흐름도

적용범위 :

목 적 :



Life Cycle Model

Rel. 1.0



Advanced Product Quality Planning for Company CO., LTD.

[**개발목표설정, 제품설계, 시제품 제작, ESIR, 공정설계, 공정개발, TRY OUT, PILOT, ISR** 선행망상, 인수단계 및 초기관리, 망상 및 지속적 개선]

제품 공법 벤치마킹

주관부서 : 제품설계부서, 생산기술부서
필조부서 : 연구부서, 시험부서, 제작부서
활동시기 : 설계목표 수립 前
적용범위 : 신규차종
입력자료 :

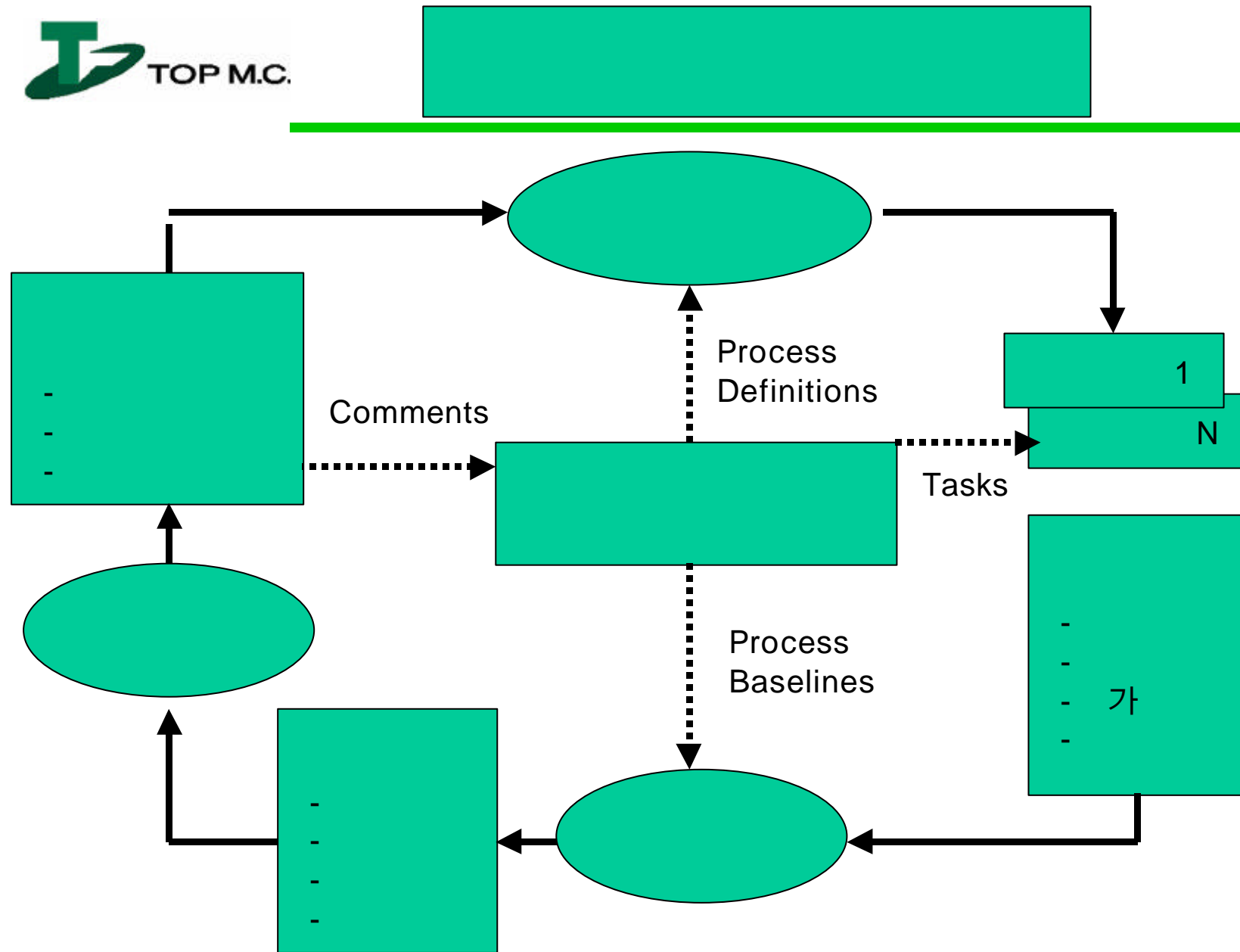
자 료 명	출 처	비 고
신공 일/신소재 자료 공/내외 물 사제품 분석자료	연구부서 시험부서, 제작부서	

활동내용 : 계약검토자료, 국내 또는 국외의 세계수준 내지는 최고수준의 적절한 벤치마킹의 선정, 비교하기 위한 규격의 파악 및 측정 가능한 품질목표를 제공하기 위함.

업무흐름 :

- 제품설계부서장은 유사차종에 대한 제품에 대하여 Tier Down 을 실시하여 사양 비교표를 작성한다.
- 생산기술부서장은 유사차종에 대한 예상공법비교표를 작성한다.

결과물 : “유사제품 (사양/공법) 비교표 (XXXX-XXXX-XXXX)”

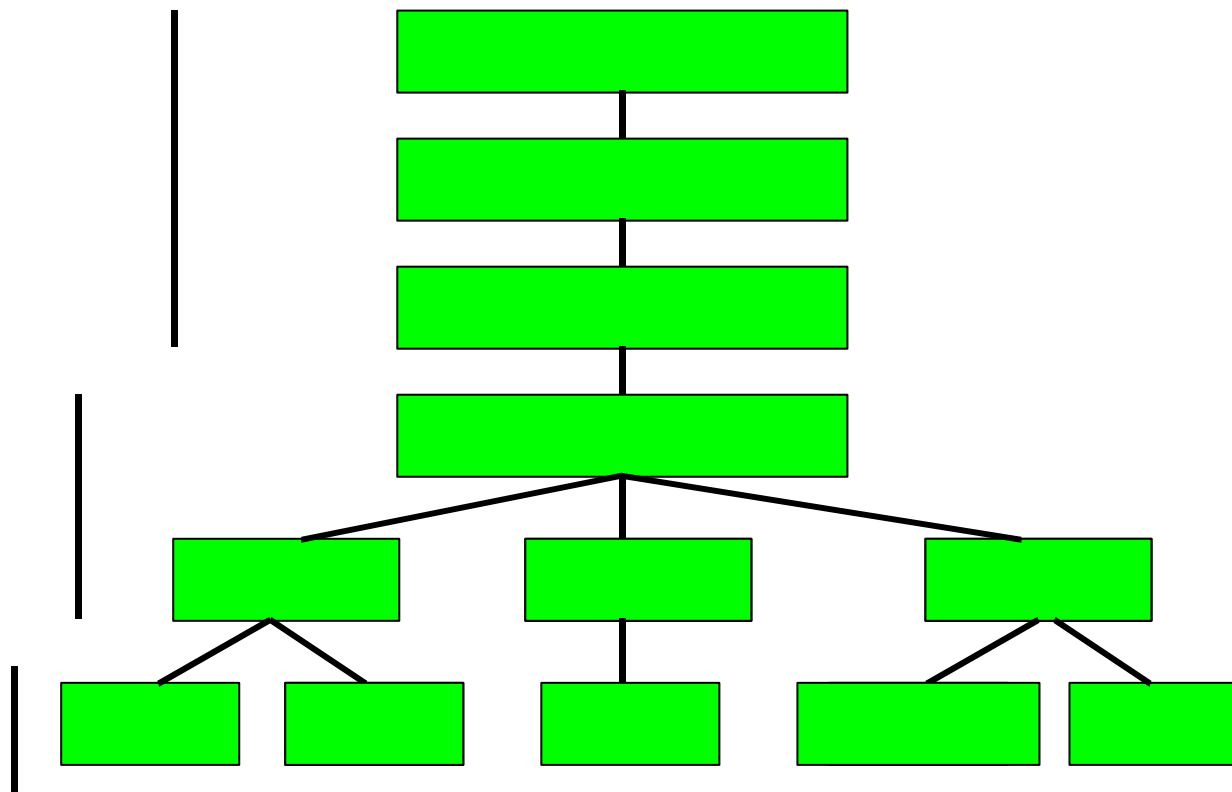


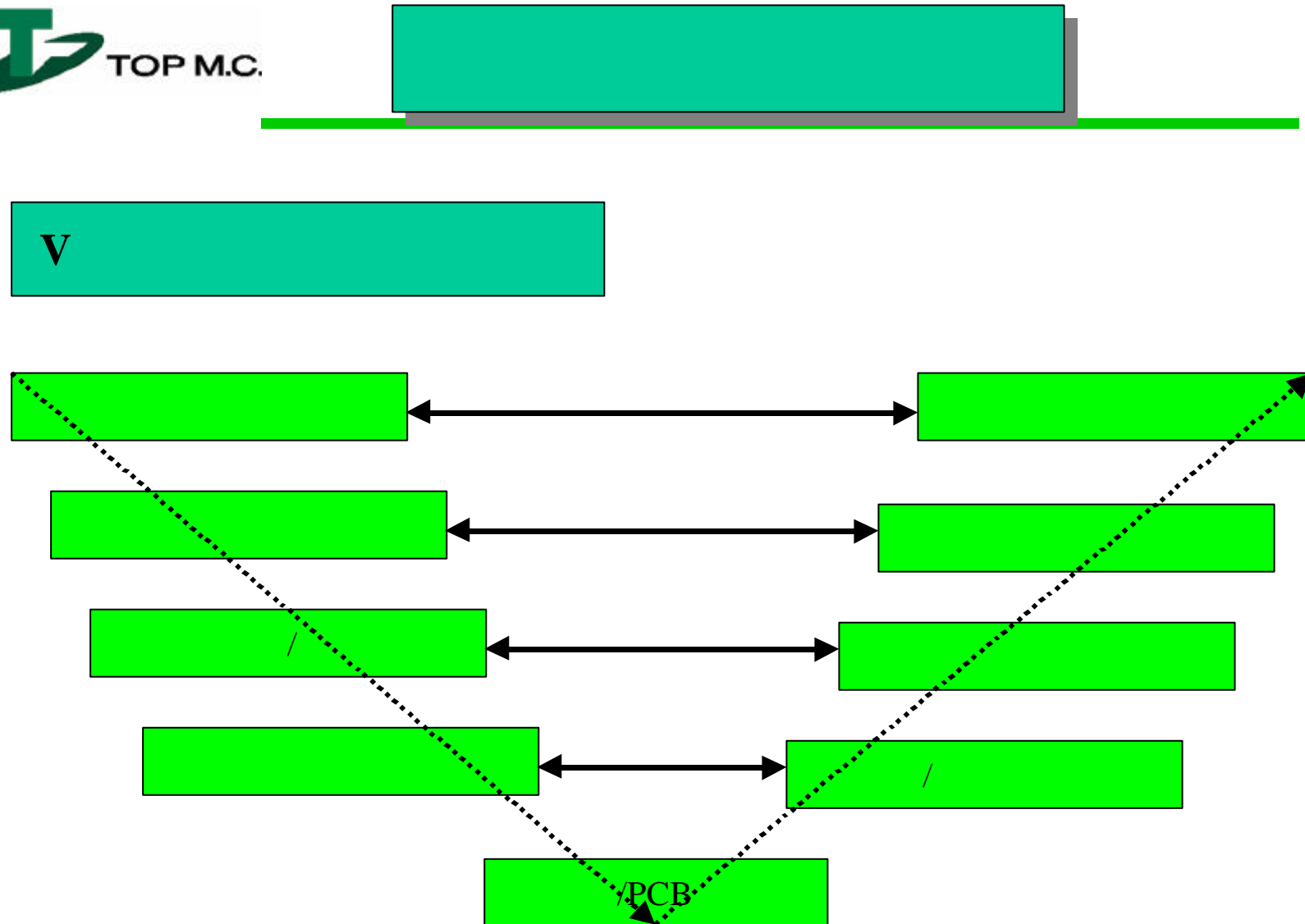
Life Cycle Model

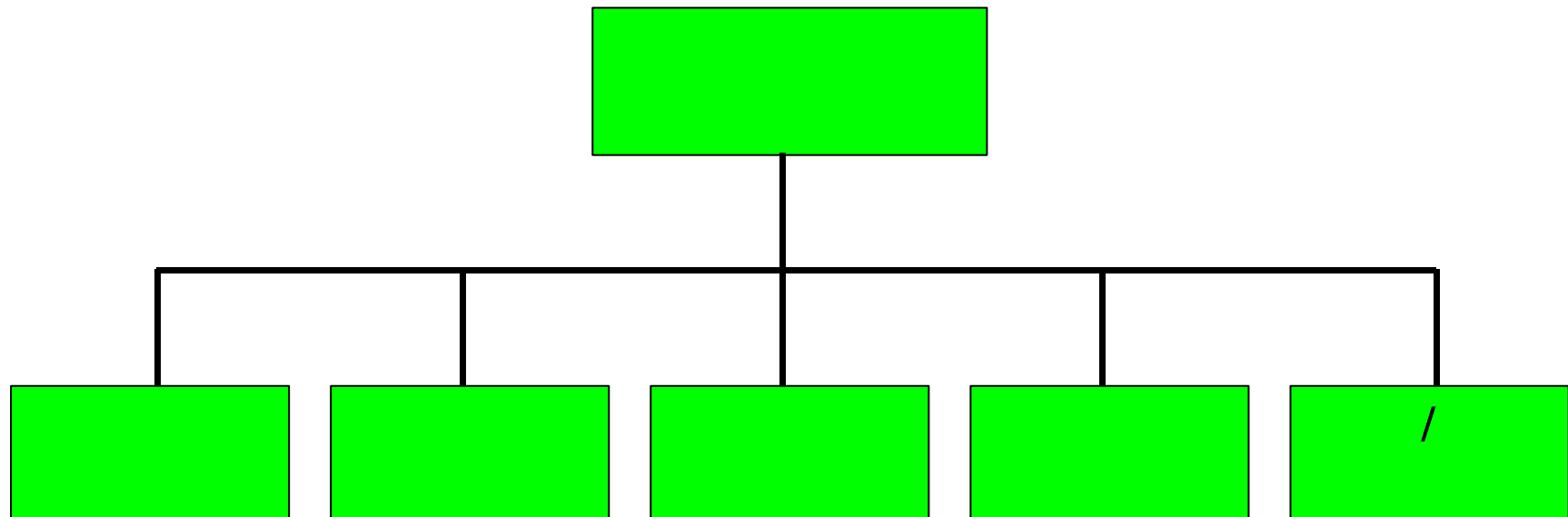
- TL 9000 Quality System Requirements
- ISO/IEC 12207 Software Life Cycle Processes
- ISO/IEC 15504 Software Process Assessment
- ISO 15228 System Life Cycle Processes
- SEI CMM Capability Maturity Model

- ❖ Stage-Gate Process Model
- ❖ Waterfall Model
- ❖ Incremental Model
- ❖ Evolutionary Model
- ❖ Spiral Model

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- ISO 9001/9004
- ISO 9000-3
- TL 9000
- ISO 12207
- ISO 15504(SPICE)



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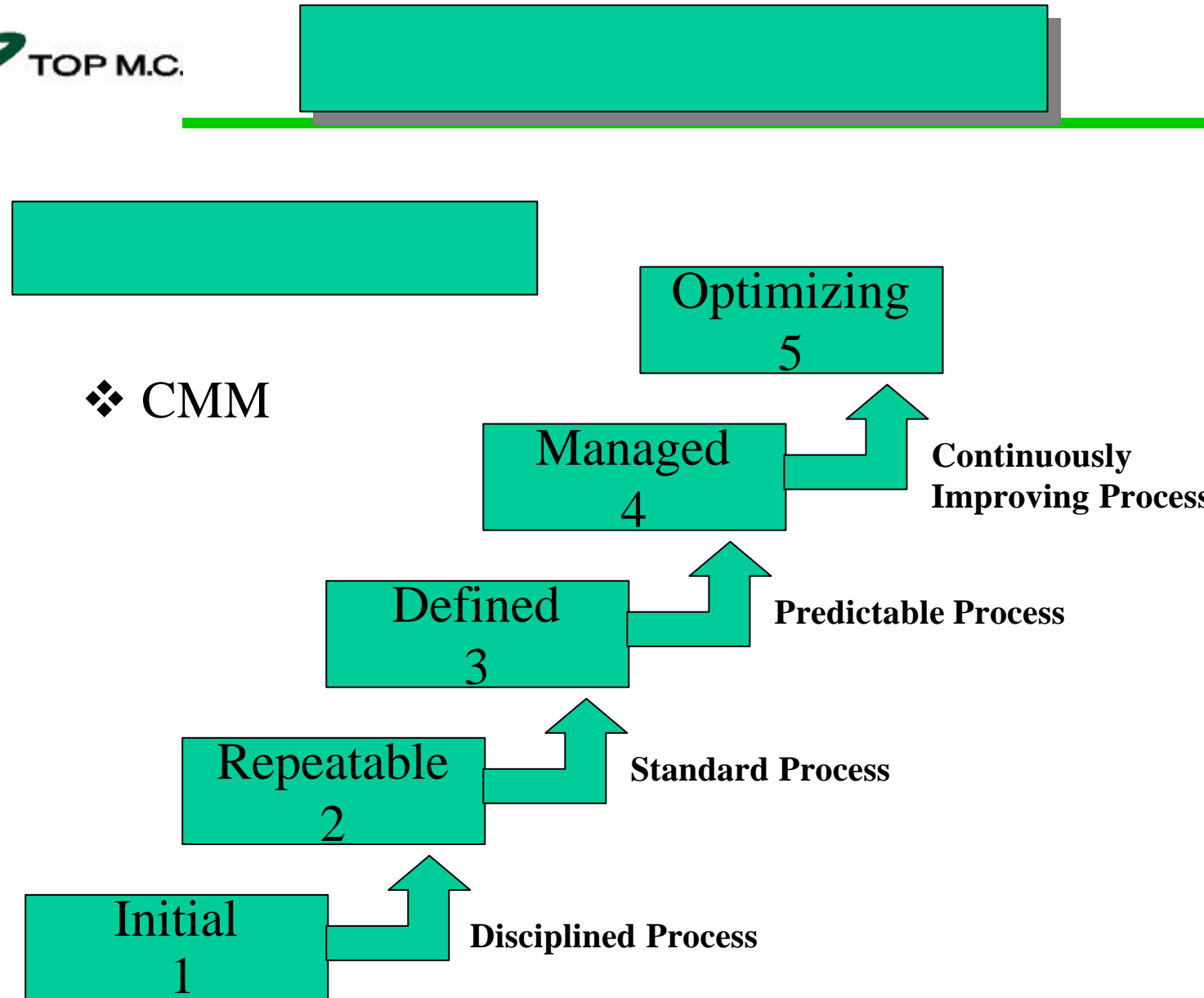
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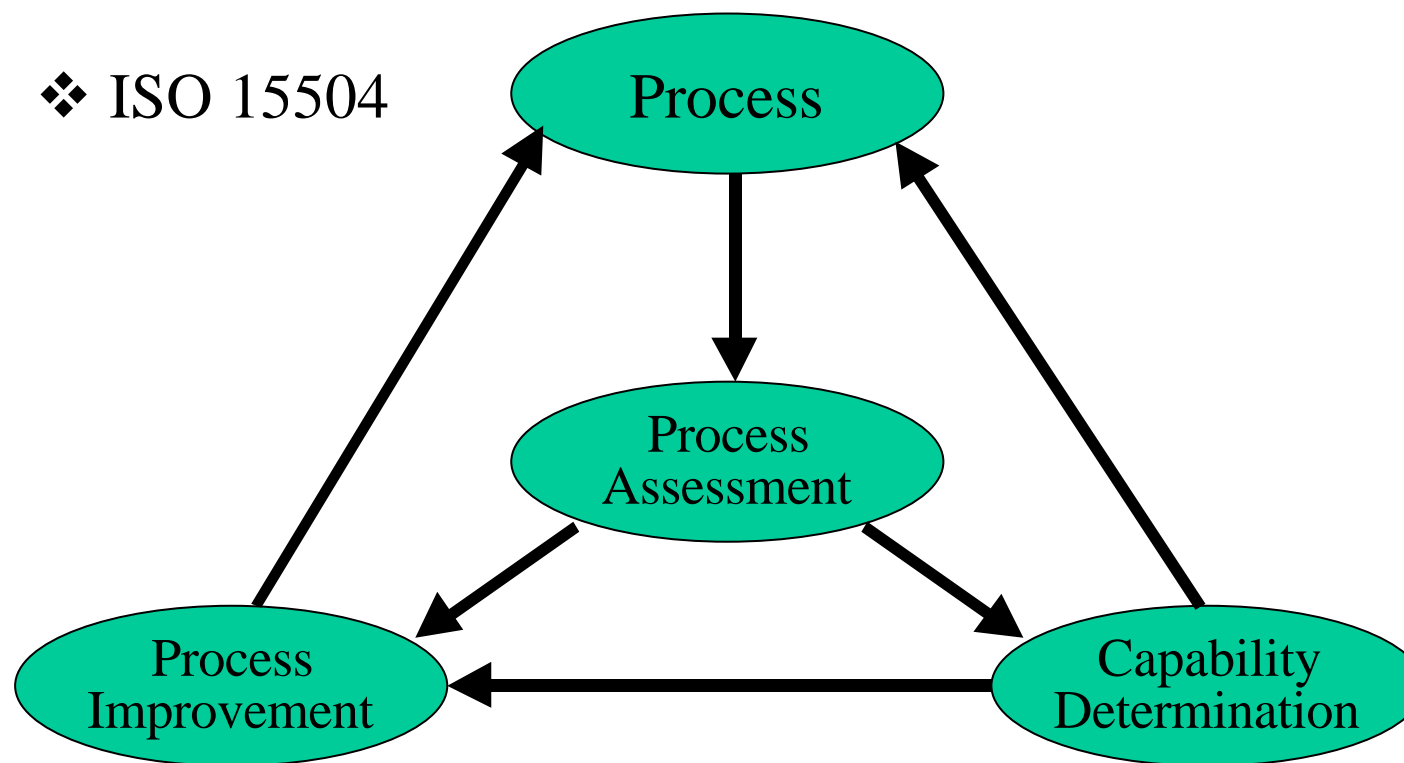
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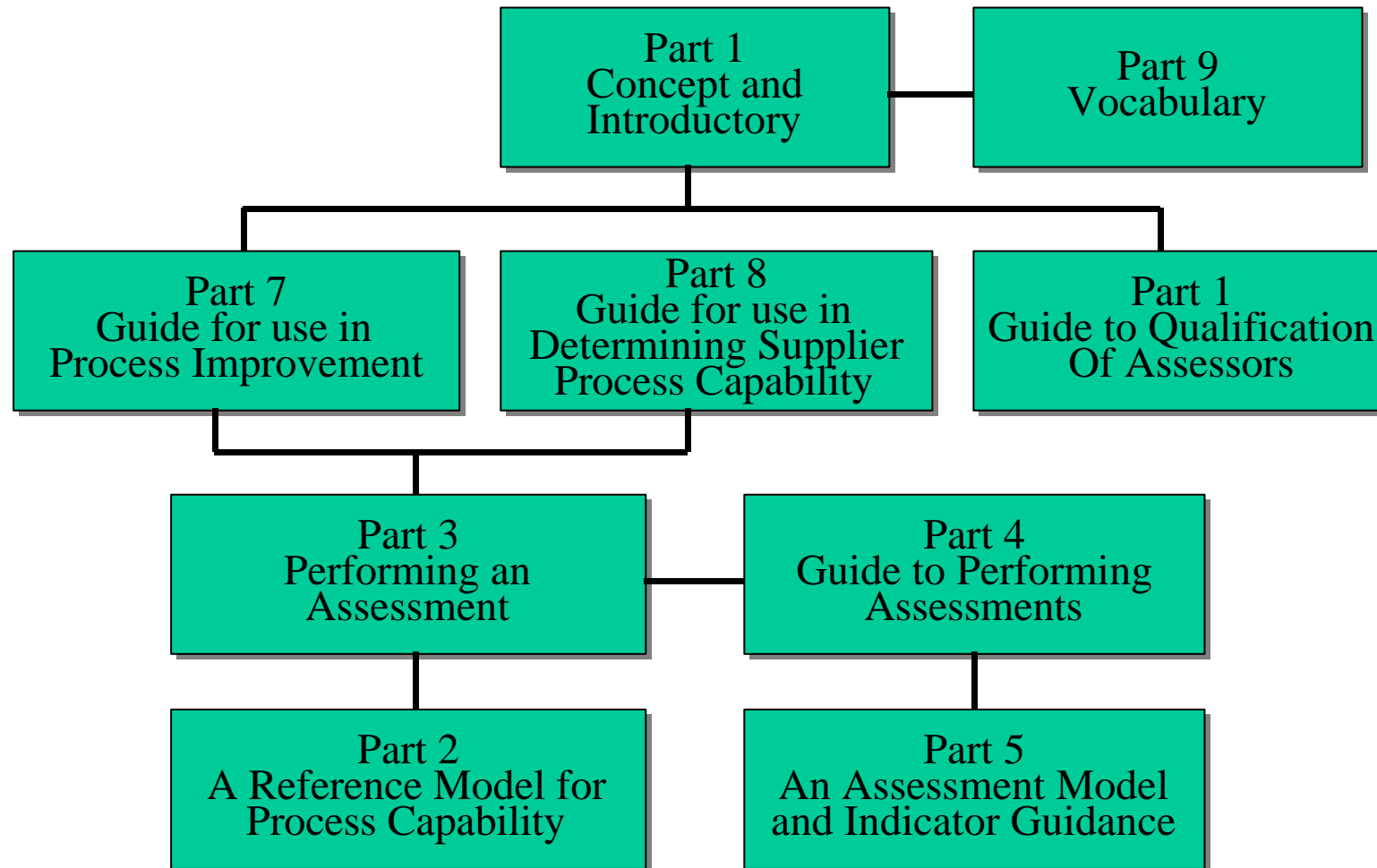
Life Cycle Model



❖ ISO 15504



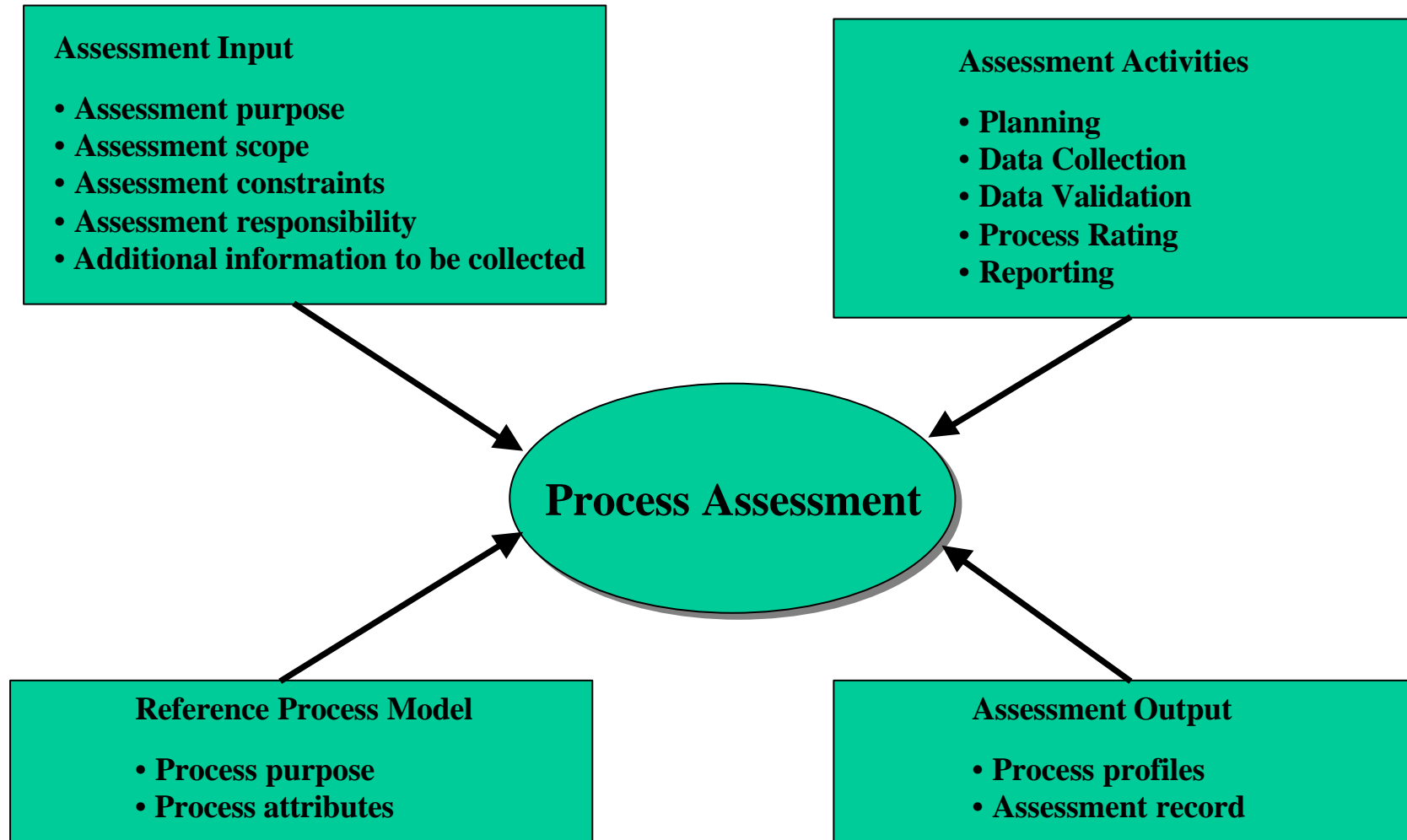
SPICE



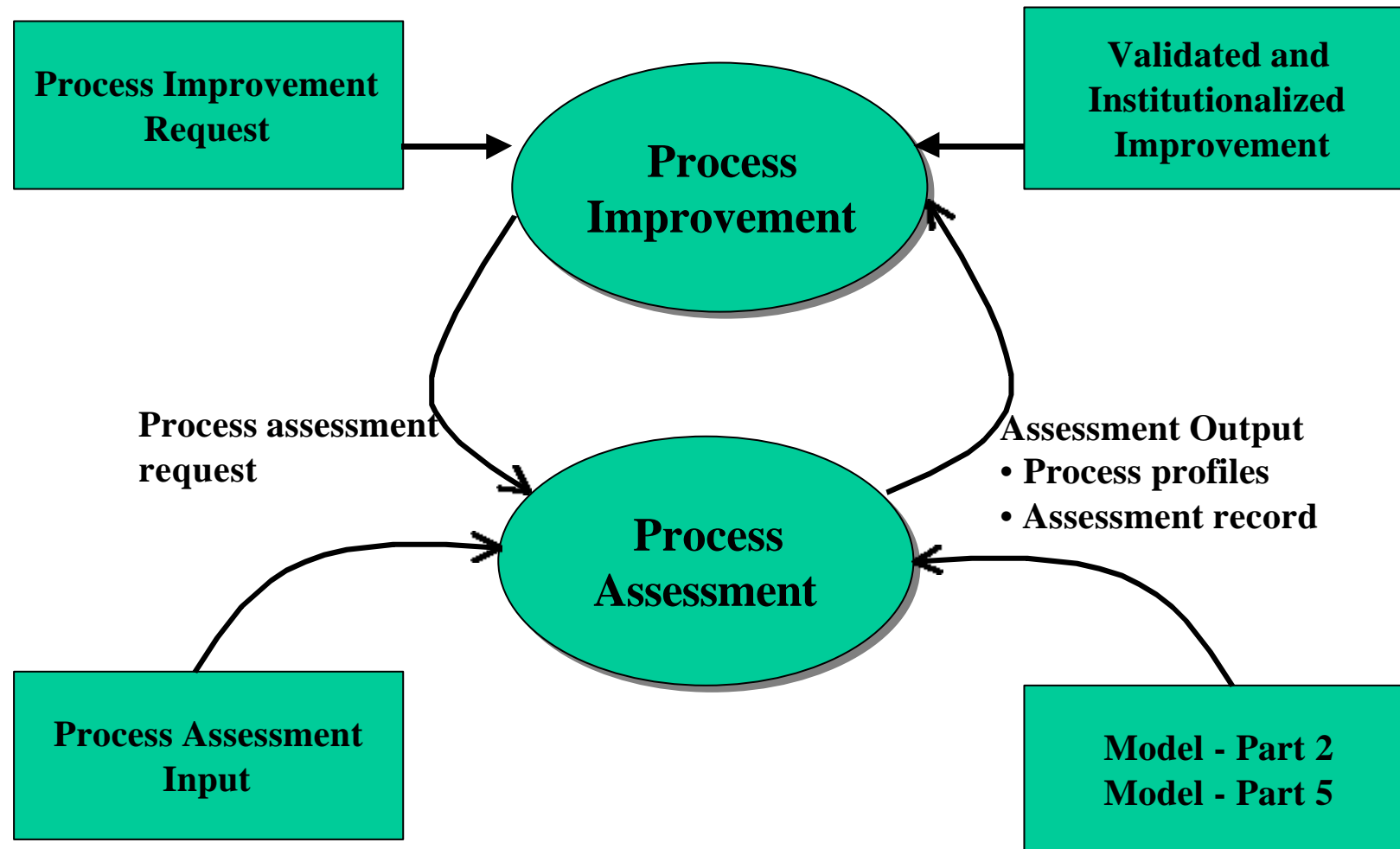
Life Cycle Model

Rel. 1.0

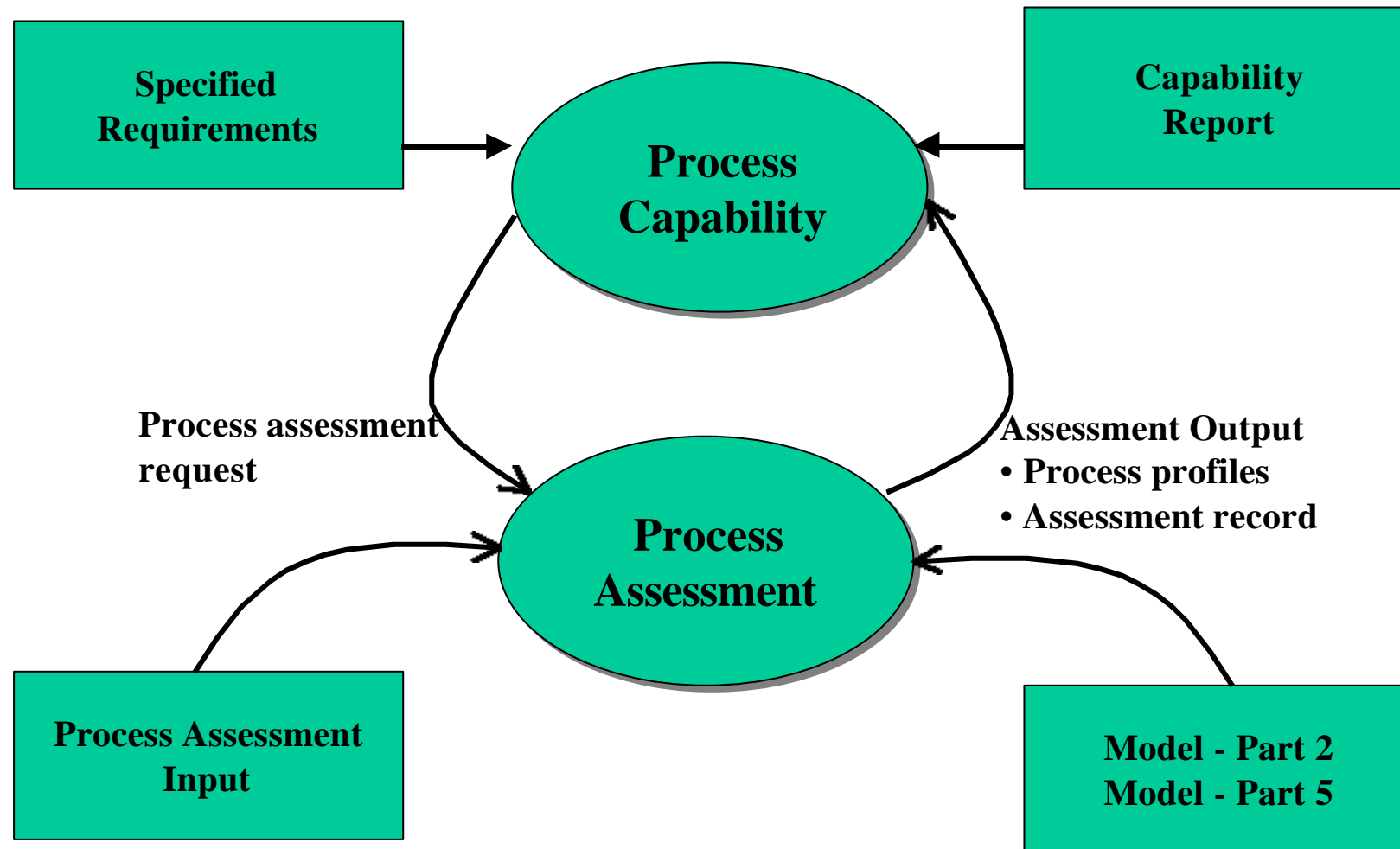
Process Assessment



Process Improvement



Process Capability Determination



❖ High Maturity Organizations

- ❖ Level 4 Organizations : 51
- ❖ Level 5 Organizations : 38

❖ Non-US High Maturity Organizations

- ❖ Australia : 1 ML 4
- ❖ India : 16 ML 4/22 ML 5
- ❖ Israel : 1 ML 4

CMM Key Process Areas

Process Categories Levels	Management Project Planning, Management, etc.	Organizational Training, Infrastructure, etc.	Engineering Requirements Analysis, etc.
Optimizing	Process change management	Technology change management	Defect prevention
Managed	Quantitative Process management		Software quality management
Defined	Integrated software Management Intergroup coordination	Organization Process focus Organization process Definition Training program	Software product Engineering Peer reviews

CMM Key Process Areas

Process Categories Levels	Management Project Planning, Management, etc.	Organizational Training, Infrastructure, etc.	Engineering Requirements Analysis, etc.
Repeatable	Requirements Management Software project planning Software project tracking and oversight Subcontractor management Software quality assurance Software configuration management		
Initial	Ad hoc processes		

CMM Common Features

