

Lecture 6

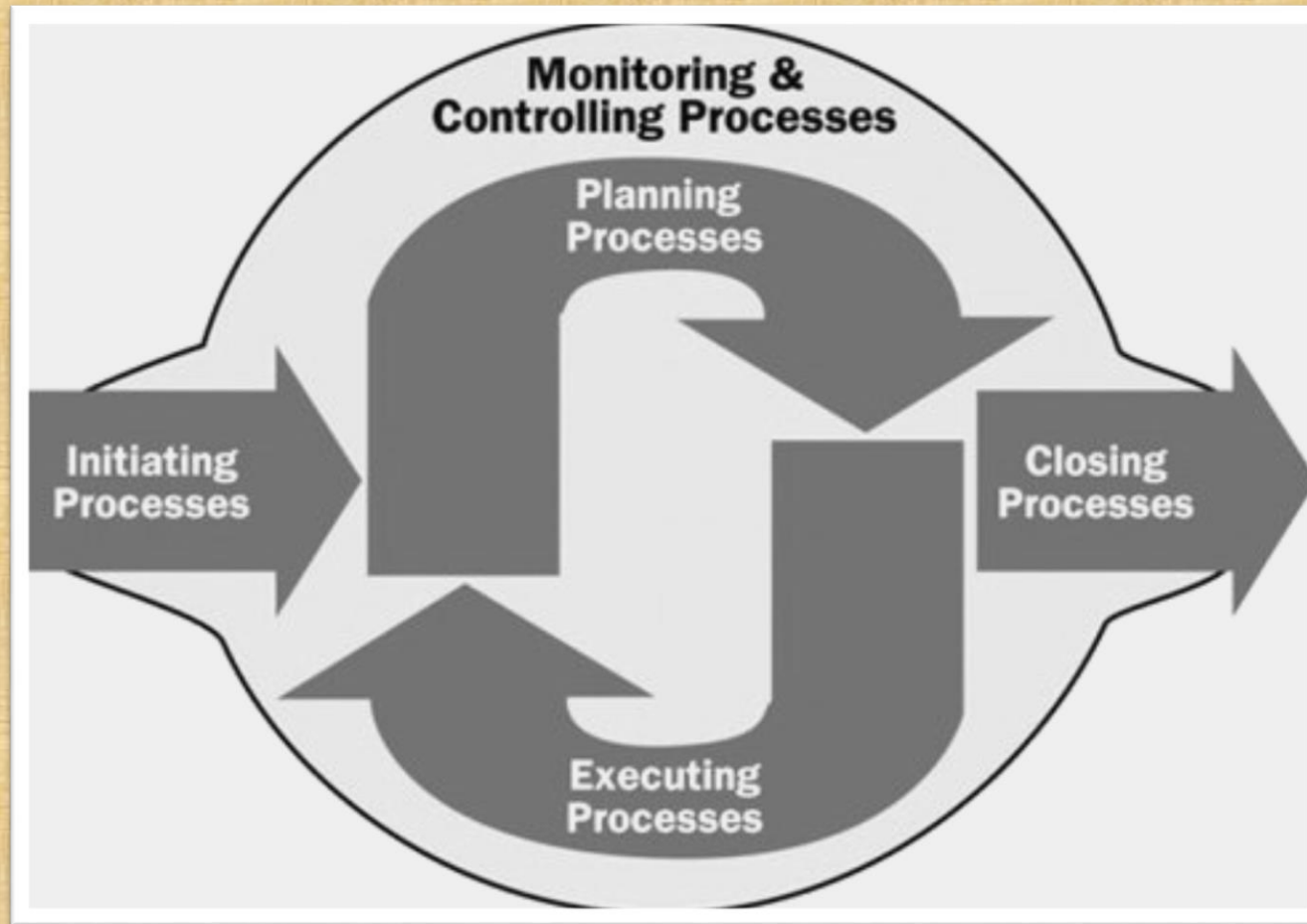
6. Project Management Process Groups

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Outline

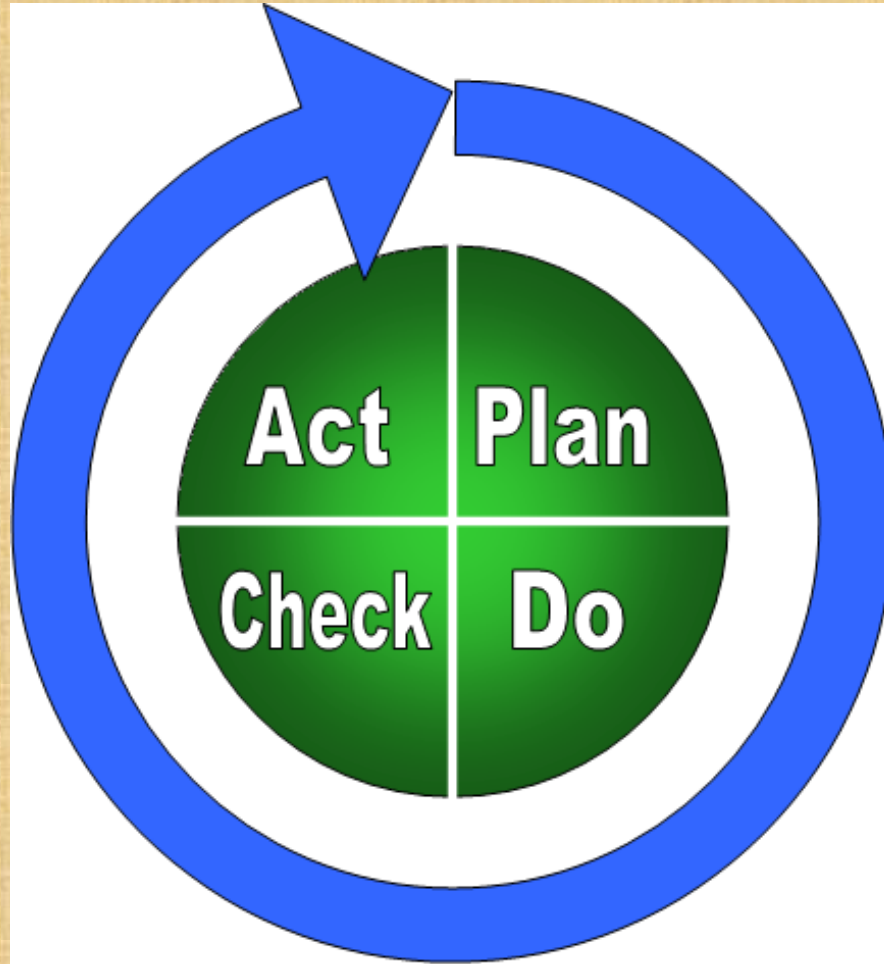
- Project Management Process
 - PDCA –Cycle
 - Overlap of Process groups in phase
- High-level process group interaction –PMI view
- Mapping of Project Management Process Groups to Areas of Knowledge
- Three Major Documents/Artifacts
 - Additional Key Artifacts for IT Projects

Project Management Process

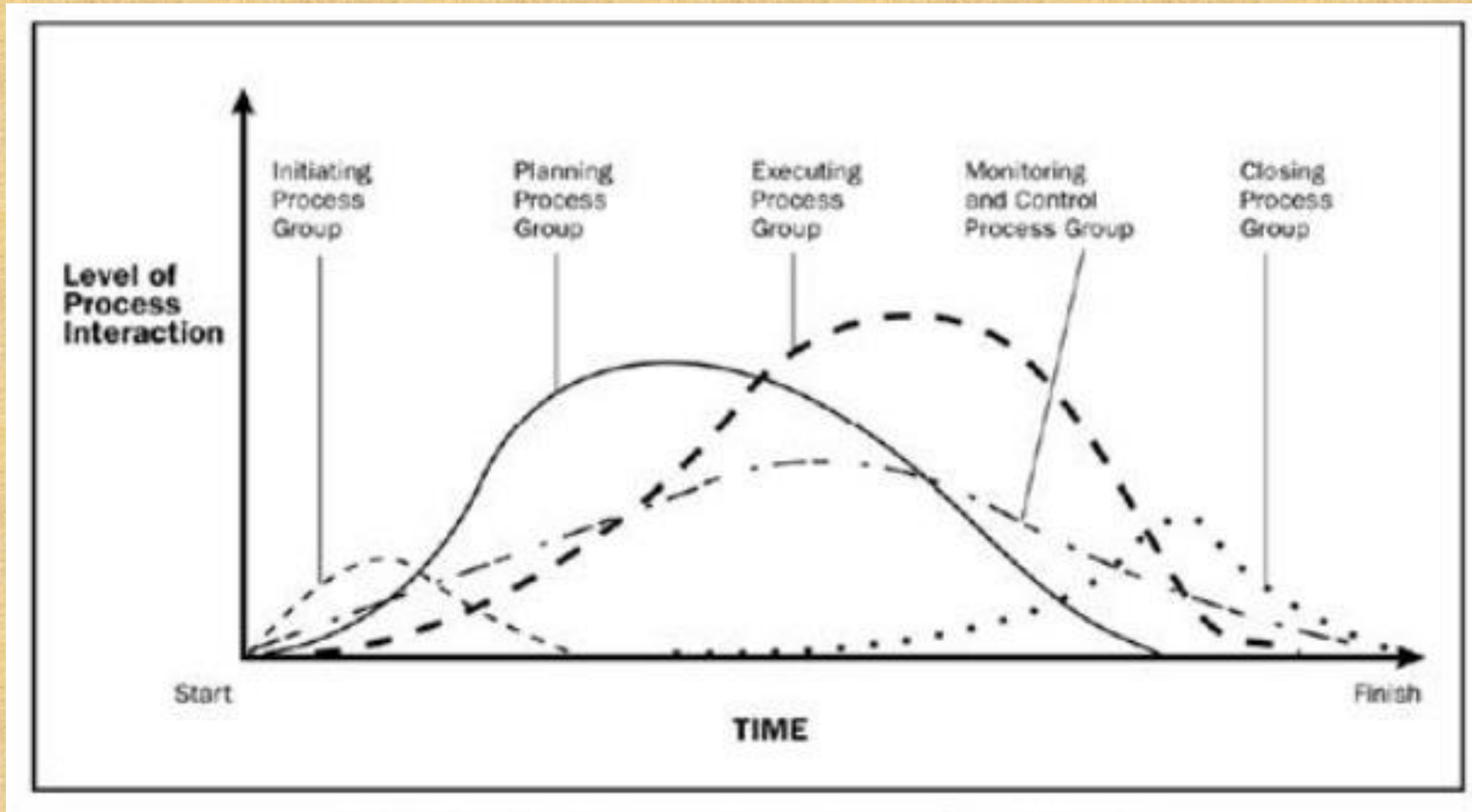


- Initiating Process Group
- Planning Process Group
- Executing Process Group
- Monitoring & Controlling Process Group
- Closing Process Group

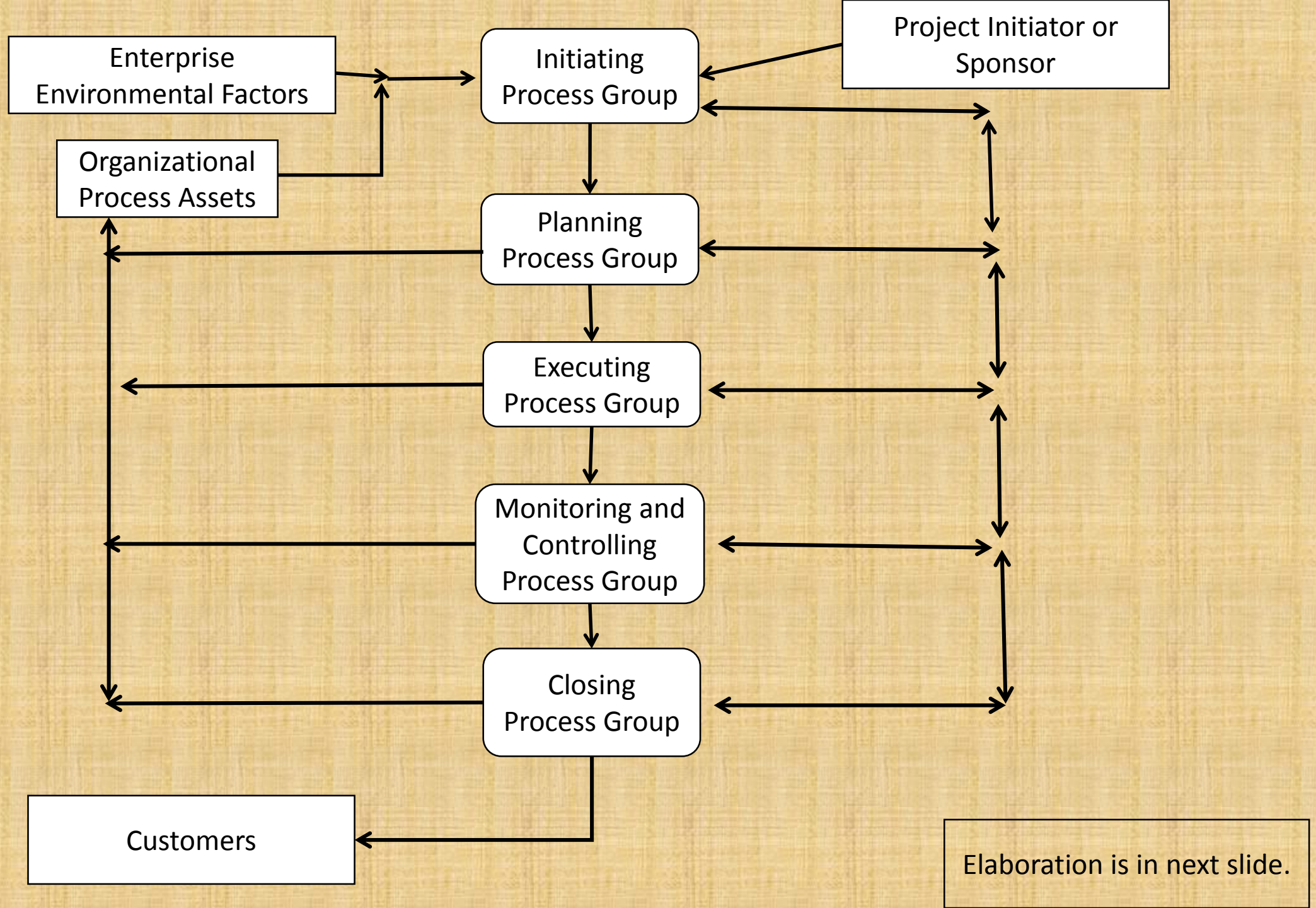
PDCA -Cycle



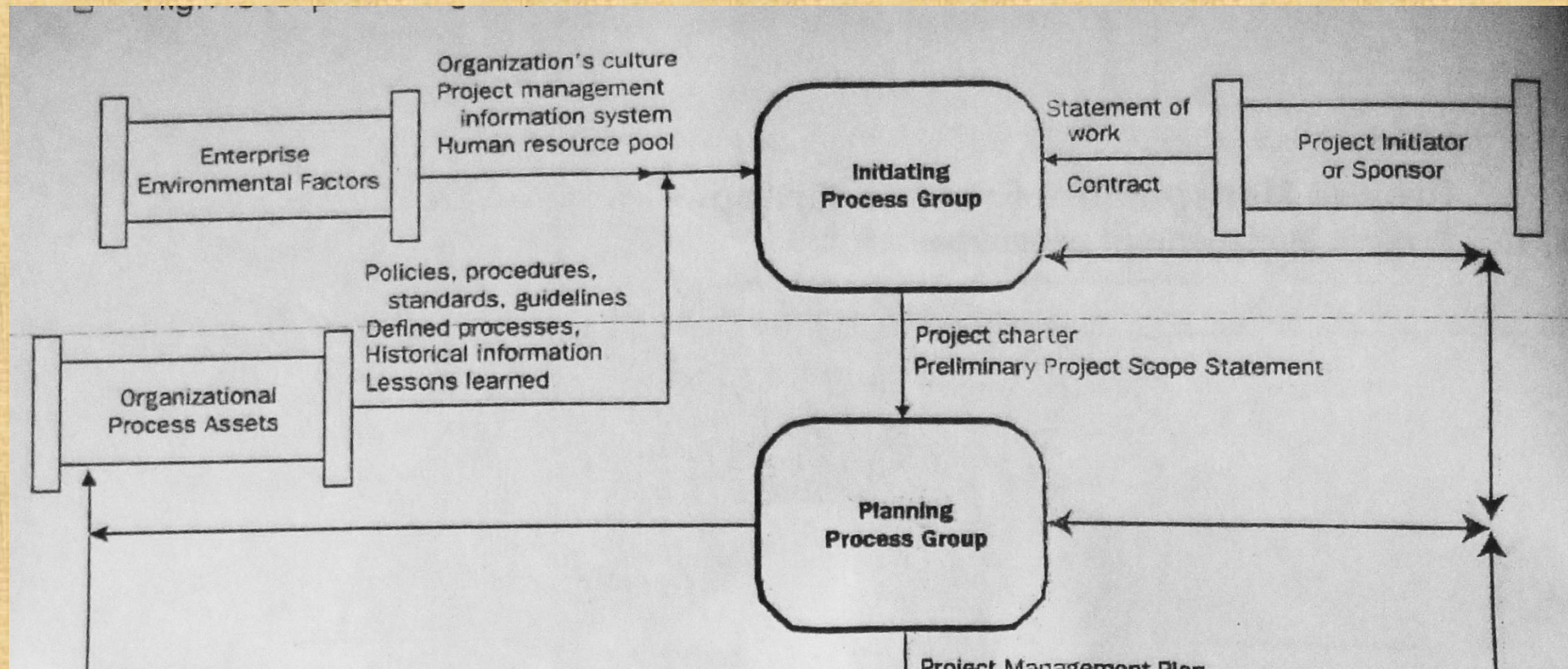
Overlap of Process groups in phase



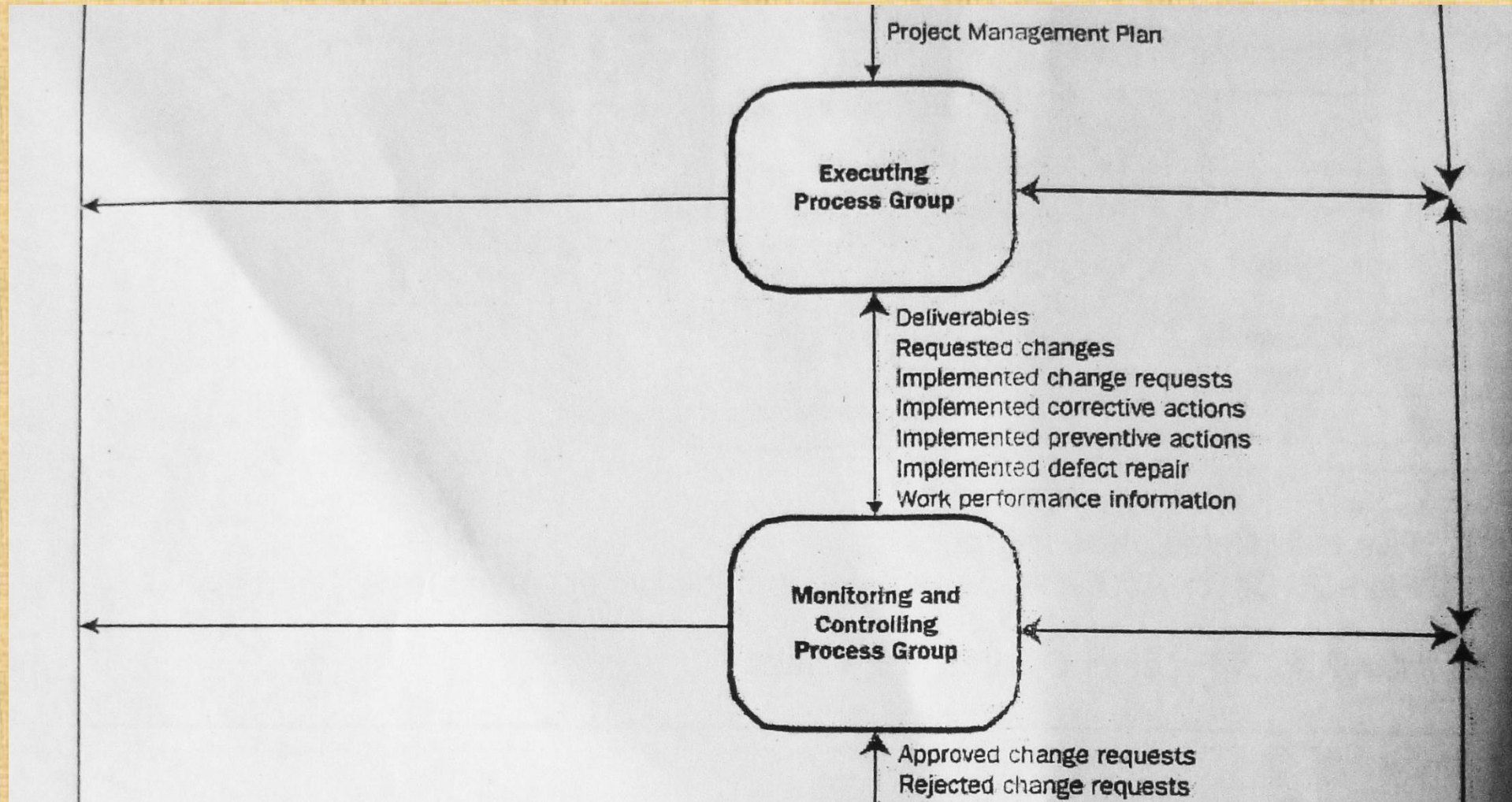
High-level process group interaction –PMI view



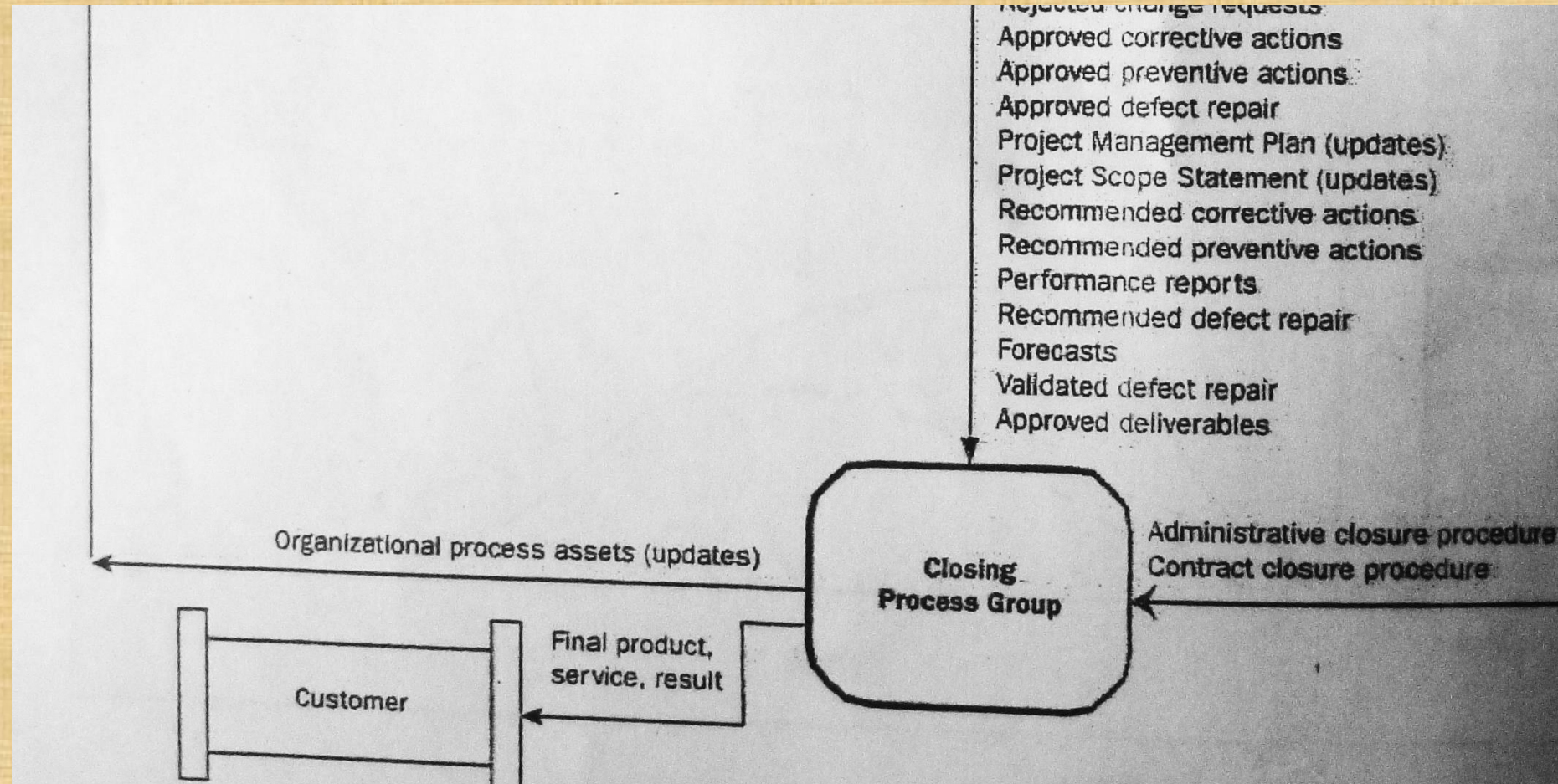
High-level process group interaction –PMI view



High-level process group interaction –PMI view



High-level process group interaction –PMI view



Mapping of Project Management Process Groups to Areas of Knowledge

Process Groups Knowledge Area	Initiating	Planning	Executing	Controlling	Closing
4. Project Integration Management		4.1 Project Plan Development	4.2 Project Plan Execution	4.3 Integrated Change Control	
5. Project Scope Management	5.1 Initiation	5.2 Scope Planning 5.3 Scope Definition		5.4 Scope Verification 5.5 Scope Change Control	
6. Project Time Management		6.1 Activity Definition 6.2 Activity Sequencing 6.3 Activity Duration Estimating 6.4 Schedule Development		6.5 Schedule Control	
7. Project Cost Management		7.1 Resource Planning 7.2 Cost Estimating 7.3 Cost Budgeting		7.4 Cost Control	
8. Project Quality Management		8.1 Quality Planning	8.2 Quality Assurance	8.3 Quality Control	
9. Project Human Resource Management		9.1 Organizational Planning 9.2 Staff Acquisition	9.3 Team Development		
10. Project Communications Management		10.1 Communications Planning	10.2 Information Distribution	10.3 Performance Reporting	10.4 Administrative Closure
11. Risk Project Management		11.1 Risk Management Planning 11.2 Risk Identification 11.3 Qualitative Risk Analysis 11.4 Quantitative Risk Analysis 11.5 Risk Response Planning		11.6 Risk Monitoring and Control	
12. Project Procurement Management		12.1 Procurement Planning 12.2 Solicitation Planning	12.3 Solicitation 12.4 Source Selection 12.5 Contract Administration		12.6 Contract Closeout

Three Major Documents/Artifacts

- Project Charter
 - Formally authorizes the project
 - Contains the “statement of work”
 - Describe why the project is taken under consideration or “historical reasoning” or “background”
 - Logical Framework, if available
- Project Scope Statement
 - States what works need to be accomplished and what deliverables need to be produced.
 - Supporting documents
- Project Management Plan
 - States how the work will be performed
 - Composed of the Plans and Documents generated by the various processes.

Additional Key Artifacts for IT Projects (Minimum set)

- System Requirements Specifications (SRS)
 - Business Case – Identifying basic business requirements
 - Use Cases – Identifying unit of works
 - Test Cases – identifying areas to be tested
 - Traceability Matrix – to keep scope under control
- System Design Docs
 - System Architecture Design Doc – technology overview
 - Swim Lane Activity Diagram – showing flow of control of activities
 - Major Class Diagram / Object Diagram – showing enterities with interface and data structure
 - Deployment Diagram – Showing enteritis with relationship
 - For database centric applications:
 - E-R Diagram
 - Data Dictionary
- User's support Docs
 - Installation and start-up Manual
 - User Reference Guide
 - Technical references
 - Future improvement scopes
 - Known bug list
 - User Training Manual

Thank you

.. Do you want to add something from your side?