PROJECT INTEGRATION MANAGEMENT
INTRODUCTION

MAJOR PROJECT DOCUMENTS

Before we begin Integration, let's summarize the project's major documents generated by the project

• **Project Charter** – formally authorizes a project or a phase and documents initial requirements that satisfy the stakeholder’s needs and expectations. (Never changes)

• **Project Management Plan** – documents the actions necessary to define, prepare, integrate, and coordinate all subsidiary management plans (changes a lot)
INTRODUCTION

MAJOR PROJECT DOCUMENTS

Other Project Documents (or Systems) Used by the Project

These systems could include tools, techniques, methodologies, resources (i.e. templates), procedures, documentations, tracking systems, approval levels, etc.

Project Management Information System (PMIS)

• An information system, consisting of the tools and techniques used to gather, integrate, and disseminate the outputs of project management processes.

• It is used by project management team to support all aspects of the project from initiating through closing, and can include both manual and automated systems.
INTRODUCTION

MAJOR PROJECT DOCUMENTS

Configuration Management System
It is a sub-system of the overall PMIS. It is a collection of formal documented procedures used to apply technical and administrative direction and surveillance to:

- identify and document the functional and physical characteristics of a product, result, service, or component;
- control any changes to such characteristics;
- record & report each changes and its implementation status; and
- support the audit of the products, results, or components to verify conformance to requirements
- it includes the documentation, tracking systems, and defined approval levels necessary for authorizing and controlling changes.

Change Control System - is a collection of formal documented procedures that define how deliverables and documentation are controlled, changed and approved
In most application areas CCS is a subset of the configuration management system
INTRODUCTION

WHAT DOES THE INTEGRATION KNOWLEDGE AREA DO?

• It's about the entire project - processes & activities needed to identify, define, combine, unify, and coordinate the various processes and project management activities within the project management process groups
  • Projects start and close here.
  • Project plan is made here.
  • Product, service or result is made here.

Coordinate all knowledge area processes
INTRODUCTION

PROJECT INTEGRATION MANAGEMENT

The integrative nature of projects and project management can be understood by thinking of other types of activities performed while completing a project. Examples of some activities performed by the PM team are:

- Analyze and understand the scope. This includes the project and product requirements, criteria, assumptions, constraints, and other influences related to a project, and how each will be managed or addressed within the project.
- Understand how to take the identified information and then transform it into a project management plan using a structured approach as described in PMBOK Guide.
- Perform activities to produce project deliverables.
- Measure and monitor all aspects of the project’s progress and take appropriate action to meet project objectives.
INTRODUCTION
INTEGRATION PROCESSES

INTEGRATION PROCESS DEFINITIONS

4.1 Develop Project Charter
   • that formally authorizes a project or a project phase.

4.2 Develop Project Management Plan
   • the process of documenting the actions necessary to define, prepare, integrate, and coordinate all subsidiary plan.

4.3 Direct & Manage Project Work
   • the process of performing the work defined in the project management plan to achieve the project’s objectives.
INTRODUCTION

INTEGRATION PROCESSES

4.4 Monitor & Control Project Work
• The process of tracking, reviewing, and regulating the progress to meet the performance objectives defined in the project management plan.

4.5 Perform Integrated Change Control
• Review all change requests, approve changes, and manage changes to the deliverables, organizational process assets, project documents, and the project management plan.

4.6 Close Project or Phase
• Finalize all activities across all Project Management Process Groups to formally complete the project or phase.