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GPO's Future Digital Content System - Status

April 19, 2005

our strategic vision in progress

Background

GPO's Future Digital System will be a world-class system for managing official Government content.

The system will verify and track versions, assure authenticity, preserve content, and provide permanent public access.

The system will be:

- Rules based
- Policy neutral
- Modular and adaptable

Recap from last review

The Concept of Operations was published in October of 2004.

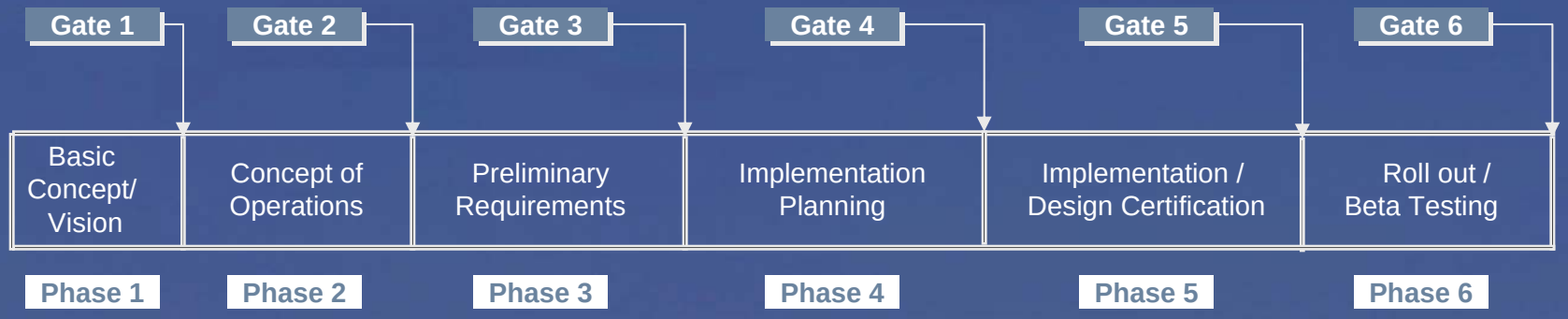
This work serves as the basis for subsequent activities to be completed in future phases.

Concept of Operations → http://www.gpo.gov/projects/pdfs/ConOps_1004.pdf

October Presentation to the Depository Library Council → http://www.gpo.gov/projects/pdfs/presentation101704.pdf

Program Management – Phases and Gates

GPO has implemented a phases and gates approach for managing the program. Work is performed in phases. Deliverables are reviewed at Gates.



System Requirements

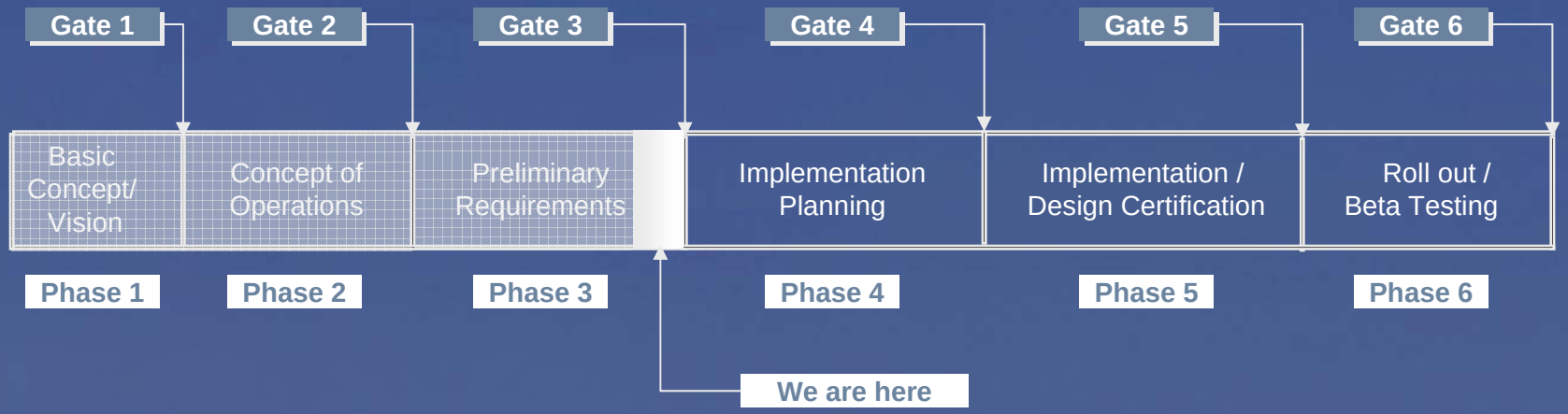
- A *requirement* is a structured collection of information that embodies the requirements of a complex system.
- Requirements serve to reflect back to the customer and users by communicating what the system will do.
- Requirements also serves to communicate to the development community regarding what needs to be developed for the system.

System Requirements

- Preliminary requirements developed under Phase 3 represent the core capabilities GPO intends to deploy.
- These requirements will serve as the benchmark for system development.
- Requirements will be updated as necessary to reflect customer needs and technology trends during Phases 4 and 5.

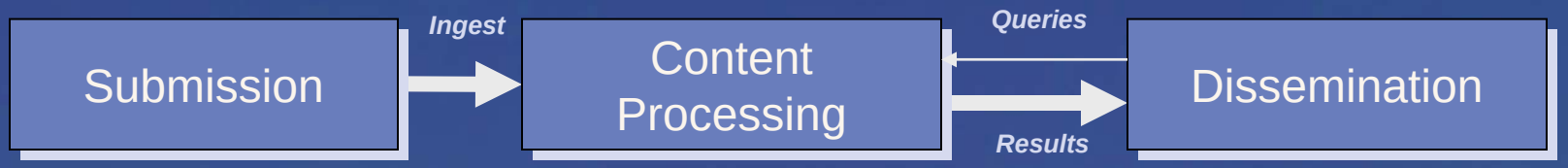
Status

- Preliminary Requirements have been completed (~1,100 requirements).
- Final documentation (IEEE-1233) is being completed to support these requirements.



Functional Reference Model

Functional Reference Model - updated



- Converted Content
- Harvested Content
- Deposited Content
- Style Tools

- System Interaction
  - Content Originator Ordering
  - Data Mining
  - Request
  - Search
  - Cataloging/ Reference Tools

- Content Ingest
  - Authentication
  - Version Control
  - Persistent Naming
  - Unique ID
- Preservation

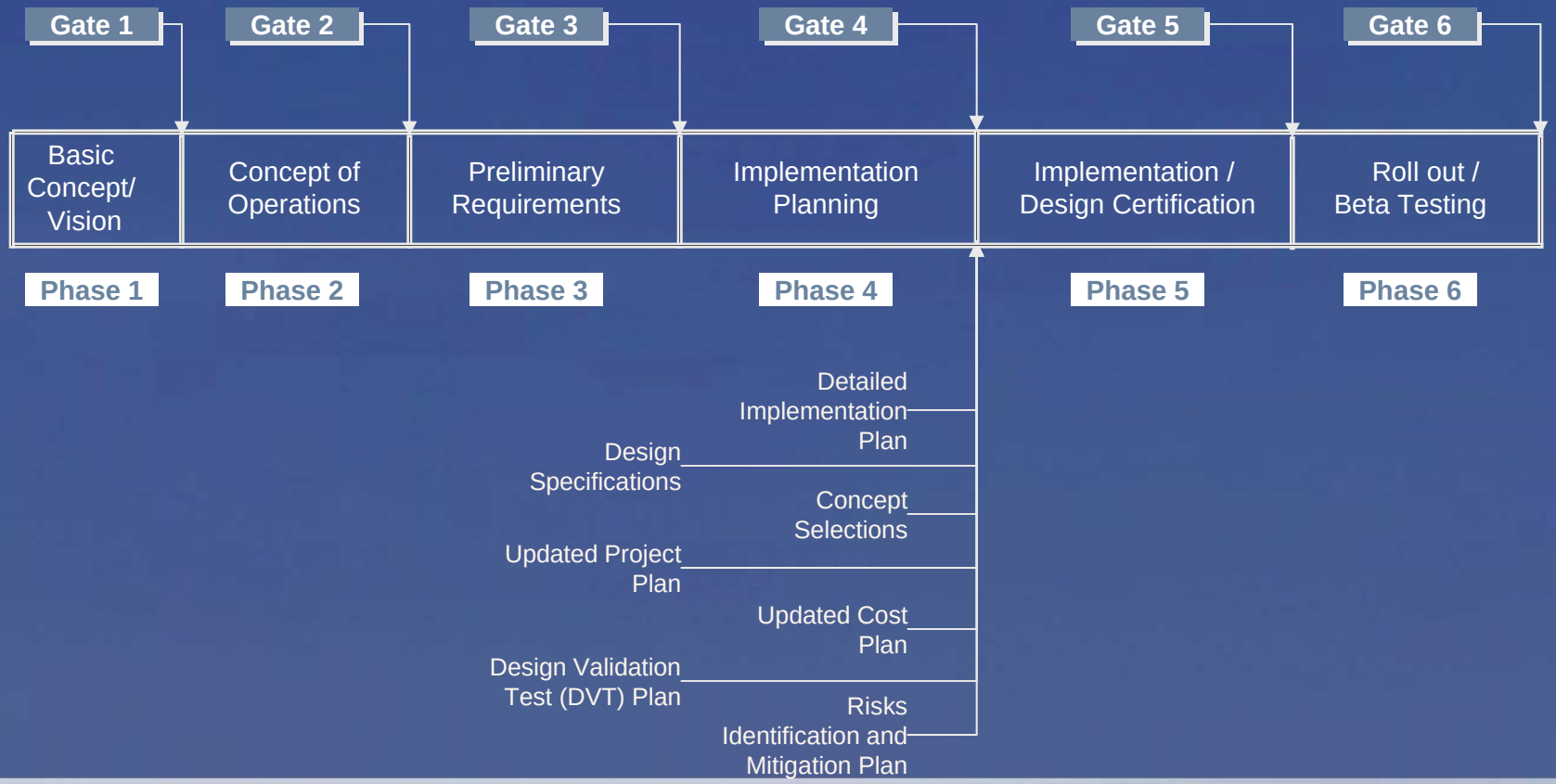
- Hard Copy
- Digital Media
- Electronic Presentation

System Administration / Infrastructure

- Metadata
- Preservation Standards
- User / Customer Support
- Interface

- Storage
- Workflow
- Security

Next Step – Phase 4 Implementation Planning



Phase 5 and Phase 6 Activities

- Phase 5 work will proceed on multiple tracks, and will include numerous development projects to test specific designs and approaches.
  - System Design
  - DVT Results
  - Final Requirements
  - Risk Identification and Mitigation
  - Updated Project Plan
  - Updated Cost Plan
  - Beta Test Plan
- Phase 6 work consists of rolling out the system capability.
  - Beta Test Results
  - Final Cost
  - Sustainment Plan

Summary

GPO's Future Digital System will be a world-class system for managing official Government content, which will verify and track versions, assure authenticity, preserve content, and provide permanent public access.

Work is progressing to plan. GPO is now entering the Implementation Planning phase.