DEPARTMENT OF INFORMATION TECHNOLOGY

System Development Lifecycle Methodology

Step 1: Initialization & Planning
- Project Charter
- Business Process Overview
- Project Work Plan
  - Business Process & Requirements
  - Fit/Gap Report
  - Process Mapping
- Quality Assurance (QA) Deliverable Report (sign-off)

Step 2: Analysis & Design
- Architect System Infrastructure
- Develop Preliminary Prototype
- Prepare Technical Plan
- Apply Functional Specifications
- Develop Preliminary Test Plans
- Quality Assurance (QA) Deliverable Report (sign-off)

Step 3: Develop/Configure/Execute
- Technical Design/Plan
  - Work Breakdown Structure (WBS)
  - Data Conversion
  - Customization/Retrofit/Construction
  - Detail Configuration & Setup
- Expand Prototype
- Develop Final Test Plan
  - Build Test Scripts
  - Develop Training Material
- Quality Assurance (QA) Deliverable Report (sign-off)

Step 4: Test/Train/Monitor
- Validate/Update Infrastructure
- Conduct Testing Processes
  - Unit Testing Process
  - Integration Testing Process
  - System Testing Process
    - Functional Testing Process
    - Performance Testing Process
  - User Acceptance Testing Process
- Validate/Develop Cutover Plan
- Provide End User Training & Documentation
- Quality Assurance (QA) Deliverable Report (sign-off)

Step 5: Deploy/Optimize/Closeout
- Develop Contingency Plan
- Prepare Production Environment
- Execute Deployment Plan
- Validate Cutover (go/no-go)
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- Quality Assurance (QA) Deliverable Report (sign-off)
- Deploy/Implement
- Training & Knowledge Transfer
- Warranty Period