<Project Name>

# Detail Solution Design& Architecture

Version X.X

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## Introduction

Instructions: Provide identifying information for the existing and/or proposed automated system or situation for which the High Level Technical Design applies (e.g., the full names and acronyms for the development project, the existing system or situation, and the proposed system or situation, as applicable).Summarize the purpose of the document, the scope of activities that resulted in its development, its relationship to other relevant documents, the intended audience for the document, and expected evolution of the document. Emphasize that the High Level Technical Design is completed during the Concept Phase of the Investment Lifecycle and is intended to describe the conceptual design of the proposed system. This document provides a framework for more detailed requirements and design activities in later phases of the project.

## System Description

### Technical Architecture

Instructions: Identify and describe the technical architecture of the current system.If available, include a high-level diagram that highlights major subsystems and components.Questions for consideration for this subsection include, but are not limited to:

* What type of processing is the current system responsible for?
* Batch and/or online
* Transaction processing and/or analytical reporting
* What are the major application components?
* What data does the current system collect and manage?
* What programming language is the current system built in? (e.g. J2EE, .NET, COBOL)?
* What is the hardware platform that supports the current system (Sun, Wintel, etc.)?
* What database platform supports the current system (e.g., DB2, Oracle, or SQL Server)?
* Does the system have an end-user interface?If so, what type of user interface does the current system have (e.g., browser based, mainframe terminal, thick client)?

## Factors Influencing Design

Instructions:This section describes the standards, assumptions, and constraints that influence the technical design of the proposed system.

### Assumptions and Dependencies

Instructions: Describe any assumptions or dependencies regarding the system and its use.

### Constraints

Instructions: Describe any limitations or constraints that have a significant impact on the design of the system.Such constraints may be imposed by any of the following (the list is not exhaustive):

* Hardware or software environment
* End-user environment
* Availability of resources
* Interoperability requirements
* Interface/protocol requirements
* Data repository and distribution requirements
* Other requirements described in the Requirements Document