Samples

The following slides are provided as samples and references for the IT Project Management Reviews

Additional slides will be added

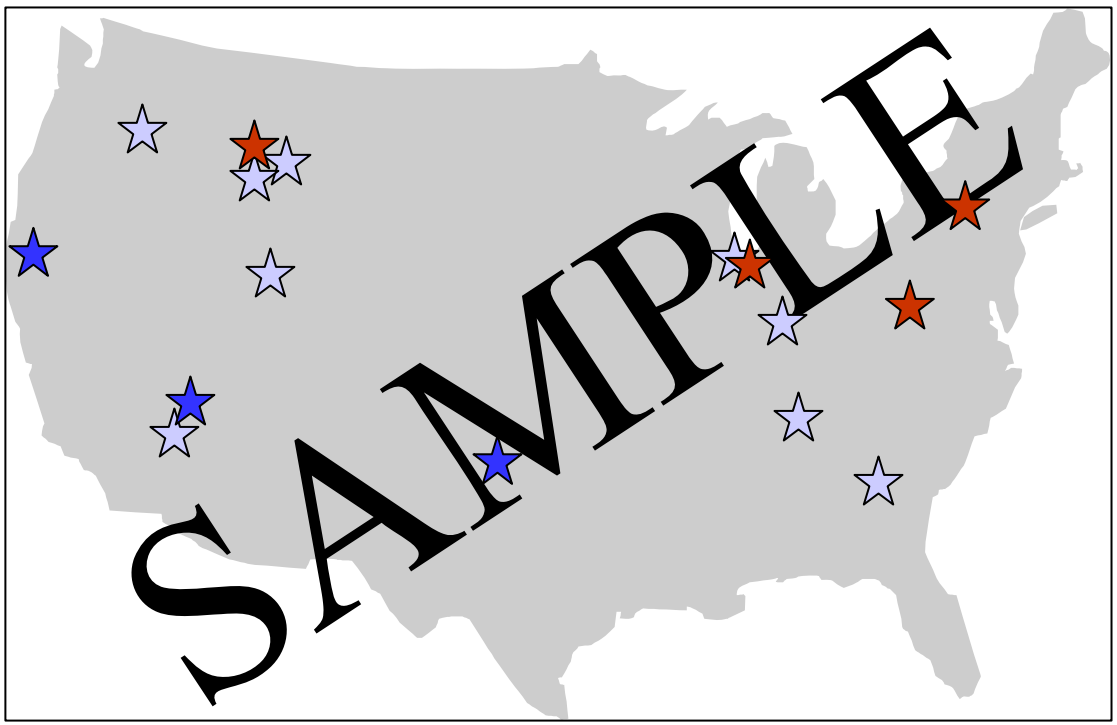
Status of Implementation and Migration Schedule and Locations

Examples of rollout of functionality and access

- Database implemented ‘x’ location on mm/yy.
- Users at ‘y’ location begin accessing database on mm/yy entering data in parallel to new and old system for pilot period.
- Old system at ‘y’ location to be removed from operation on mm/yy.
- Users at ‘z’ location to begin using system on mm/yy.

Status of Implementation and Migration Schedule and Locations

LANMAS DOE Locations
Supported by LANMAS Team



Current

2nd Qtr FY01

To Be Analyzed

Status of Implementation and Migration Schedule and Locations

Project Schedule - DOE Site Implementation

Site	Status	Users	Platform	Implementation Costs
Argonne (ANL-W)	V2.6	5	Pentium, Client/Server	$140 K SC Funding
B&W (Mound)	V2.6	2	Stand Alone PC	$1.5 K EM Funding
Livermore (NTS)	V2.6	4	Pentium, Client/Server	$44 K DP Funding
Oak Ridge (ORNL)	V2.6	10	Pentium, Client/Server	$92 K EM Funding
Rocky Flats (RFETS)	V2.6	40-50	Pentium, Client/Server	$350 K EM Funding
Savannah River (SRS)	V2.6	25	Pentium, Client/Server	$525 K EM Funding
Argonne East (ANLE)	V2.5.10	10	Pentium, Client/Server	$140.5 K SC Funding
Hanford	V2.5.10	1	Pentium, Client/Server	$650 K EM Funding
Idaho (INEEL)	V2.5.10	5	Pentium, Client/Server	$674 K EM Funding
Bettis Atomic Lab	Installation Q2 - FY01		Pentium, Client/Server	$100 K NR Funding
Idaho Naval Reactors (Bettis)	V2.6 in Test Environment		Pentium, Client/Server	Hardware Available NR Funding
Knolls Atomic Power (KAPL)	Installation Q2 - FY01		Pentium, Client/Server	Hardware Available NR Funding
New Brunswick Lab (NBL)	Installation Q3 - FY01	5	Pentium, Client/Server	$164 K SO-10 (24090)
Yucca Mountain	Installation Projected FY04		TBD	RW Funding – New System – Ongoing Discussions
DOE Albuquerque	Discussions On Hold		Stand Alone PC	Internal Issues
Livermore (LLNL)	Discussions On Hold		Pentium, Client/Server	Gap Analysis Complete
Mason&Hanger (Pantex)	Funding Issues		TBD	$500 K

Project Deliverables

Software Lifecycle Stages and Deliverables

Reference Slide Only

Planning

Feasibility Statement
Project Plan
Software Quality Assurance Plan
Software Configuration Management Plan

Requirements Definition

Requirements Traceability Matrix (draft)
Continuity of Operations Statement/Plan
Data Dictionary (draft)
Software Requirements Specification
Project Test Plan
Acceptance Test Plan (draft)
Project Plan (revised)

Functional Design

Logical Model
Data Dictionary (revised)
Requirements Traceability Matrix (expanded)
Functional Design Document
Project Plan (revised)

System Design

Data Dictionary (expanded)
Physical Model
Integration Test Plan (draft)
System Test Plan (draft)
Requirements Traceability Matrix (expanded)
Conversion Plan
System Design Document
Program Specifications
Programming Standards
Project Plan (revised)

Project Deliverables

Software Lifecycle Stages and Deliverables (Continued)

Reference Slide Only

Construction

Acquisition Plan
Installation Plan (draft)
Requirements Traceability Matrix (expanded)
Integration Test Plan (final)
System Test Plan (final)
Software Baseline
Transition Plan
Operating Documents (draft)
Training Plan (draft)
Project Plan (revised)

Installation and Acceptance

Installation Test Materials
User Training Materials
Acceptance Test Materials
Acceptance Test Report
Acceptance Checklist
Operational System
Operating Documents
Maintenance Plan (final)
Project Plan (final)

Software Integration & Testing

Integration Test Reports
System Test Report
Operating Documents (final)
Training Plan (final)
Installation Plan (final)
Acceptance Test Plan (final)
Preacceptance Checklist
Requirements Traceability Matrix (final)
Maintenance Plan (draft)
Project Plan (revised)

Software Maintenance

Revise all affected documentation

Retirement

Computer System Retirement Guidelines

Summary of Project Stages

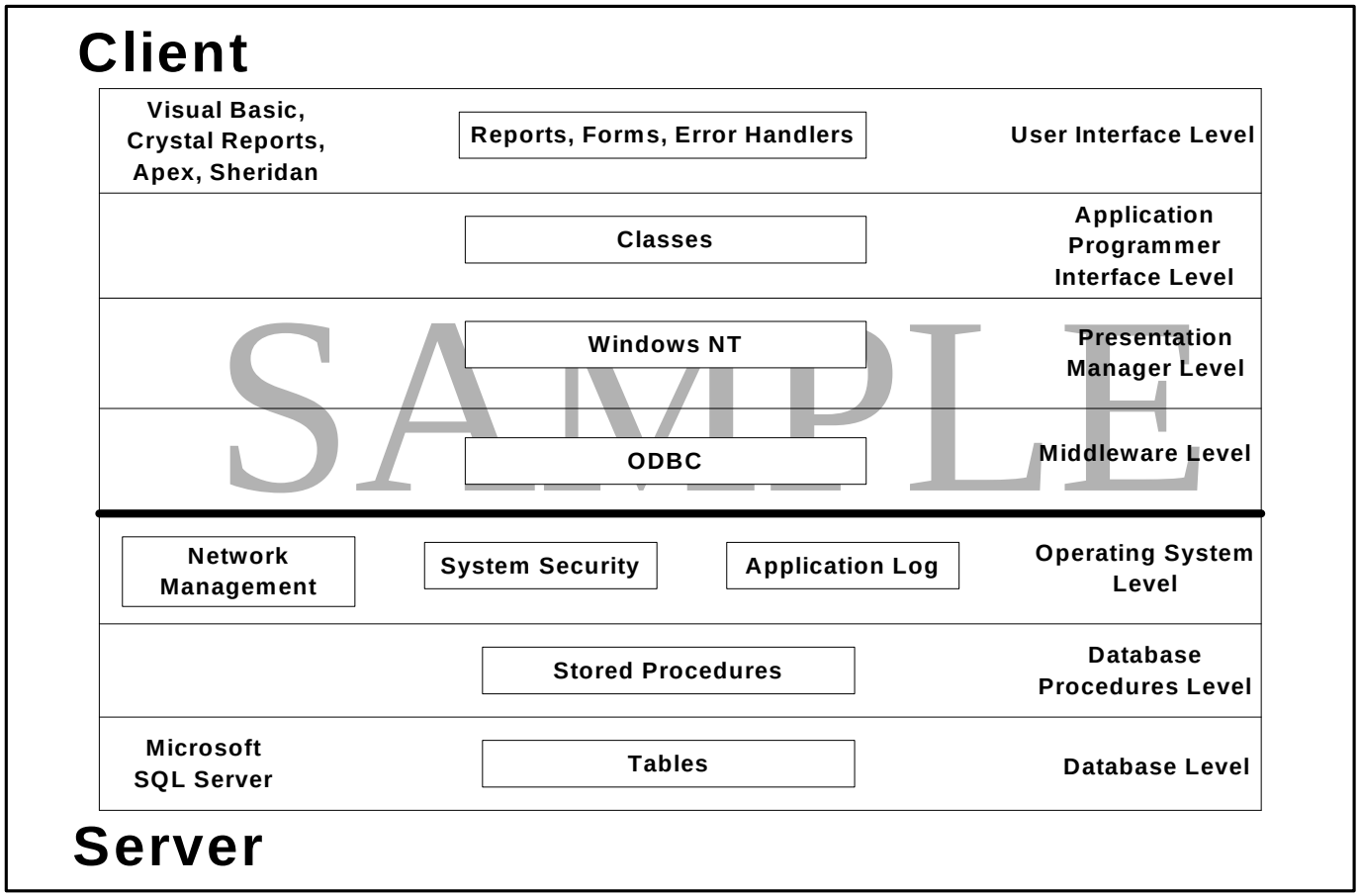
Stages	Description
Planning	System requirements are identified, the users' environment is analyzed, the project objectives and scope are defined, the high-level project and functional requirements are estimated, the feasibility of the project is determined, and the Project Plan, Software Quality Assurance Plan and Software Configuration Management Plan are developed and approved.
Requirements Definition	Analysis of the system owner/users' business processes and needs, translation of those processes and needs into formal requirements, and planning the testing activities to validate the performance of the software product are conducted.
Functional Design	The overall structure of the software product is defined from a functional viewpoint to include the logical system flow, data organization, system inputs and outputs, processing rules, and operational characteristics of the software product from the user's point of view.
System Design	The user-oriented functional design specifications are translated into a set of technical, computer-oriented system design specifications.
Programming	The system design is transformed into the first complete representation of the software product.
Integration and Testing	Software components are integrated and tested to determine whether the software product meets predetermined functionality, performance, quality, interface, and security requirements.
Installation and Acceptance	The objectives of the activities in this stage are to verify that the software product meets design requirements and to obtain the system owner's acceptance and approval of the software product.

Summary of Project Phases

Phase	Primary Purpose
Prepare	• Assess critical processes, readiness for change, current IT infrastructure and application portfolio • Specify high level requirements and future capabilities • Identify gaps between the current and future systems
Focus	• Focus on closing identified gaps • Define future processes based on industry best practices • Identify IT infrastructure & organizational design support
Select	• Select or validate the package solution that best suits the business requirements • Prepare a business case with costs and benefits
Re-Design /Design	• Assist client in re-designing the processes and organization and in matching processes to package functionality • Focus package training for clients so they can assist in the documentation of future system processes
Configure	• Develop, integrate and test the final configuration • Develop end-user training specifications • Plan the production, cut-over and post-live support
Deploy	• Prepare the package, IT infrastructure & organization for going live • Educate and train users, setup and operate Help Desk and provide end-user support

System Architecture

Physical View



LANMAS System Architecture

System Architecture
Physical View