Deployment Plan

Basic Order Tracking System

Prepared For:	Highland Office Supply
Prepared By:	John Zoltai
	Digital Publications LLC
Document ID:	BOTS-DP
Version:	1.0a

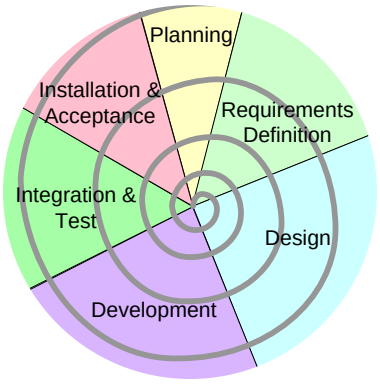

TABLE OF CONTENTS

GLOSSARY OF PROJECT-SPECIFIC TERMS	
Glossary of Software Engineering Terms	A standard Glossary of Software Engineering Terms is maintained online. Terms specific to this project are maintained below.
Glossary of Project-Specific Terms	A common Glossary of Project-Specific Terms is maintained on the project Web site.

INTRODUCTION

The BOTS system is a multi-user relational database under constant use. As such, the installation process is significantly more complex due to the need to minimize downtime for the user population and insure data integrity during and after the installation of any upgrade.

DEPLOYMENT COMPONENTS

The following components are scheduled for deployment and covered under this deployment plan:

- Core Features
- Customer Management

DEPLOYMENT PROCESS

The deployment process is composed of an installation effort followed by a confirmatory testing effort in the test environment. This document describes the processes and requirements for instantiation of the test environment as well as the production environment and records the final set of successful results from the regression testing effort.

CONFIGURATION CONTROL

The BOTS project maintains copies of all current source code in the project Configuration Management (CM) system as described in the Software Project Management Plan (SPMP). System documentation is placed on a dedicated Web site for the convenience of the user community. Code migration is managed through the project CM system.

GENERATION OF EXECUTABLE CODE

For projects in which “production software” and/or “executable code” is a required deliverable of the Integration and Test Stage, the final versions of all

objects associated with the application will be migrated from the development repository to the test and production environments as described in the following chapter. These objects are then used by the database engine to serve the application to the end users.

TEST INSTALLATION PROCESS

This chapter deals with module-specific issues such as server and operating systems specific to the test machines, necessary data migration and conversion procedures, and testing. The testing and test results reporting processes are described in the project Software Configuration Management Plan and Software Quality Assurance Plan.

TEST ENVIRONMENT

Prerequisites for successful installation of this application include the correct server hardware configuration, operating system, database/application server software and associated add-ins.

NOTE: This is an example document, and shows only those details that are associated with the design and test documentation for the BOTS example project. No information is provided (or simulated) regarding platform implementation specifics. Putting bogus stuff in here just looks bogus, and putting realistic stuff in here implies endorsement of a particular development environment.

TEST HARDWARE PLATFORM

The BOTS system requires the use of a *** server configured as follows:

- *** List of hardware components required, including CPU(s), NIC(s) and disk storage.

TEST OPERATING SYSTEM

The BOTS system requires the use of the ***OPERATING-SYSTEM+Version+Patches operating system.

TEST SERVICES

The BOTS system requires the installation of the following services:

- ***SERVER+Version+Patches,
- ***OTHERSERVER+Version+Patches,
- ***OTHERAPP+Version+Patches.

TEST ENVIRONMENT INITIALIZATION

Initialization of the test environment involves migration of test data into the database engine, migration of the correct users and their roles, installation of the integrated application components into the appropriate servers, and running the regression tests for all installed application components.

TEST DATA MIGRATION & CONVERSION

The system test data will be installed via the following load scripts:

- Table 1: LoadScriptName
- Table 2: LoadScriptName
- Table 3: LoadScriptName

These load scripts are stored in the project CM system under the following directory:

- TestLoadScriptDirectory

USERS AND ROLES INSTALLATION

The user groups and roles identified in the system Physical Database Description(s) will be migrated via ***.

APPLICATION COMPONENT INSTALLATION

All current application components will be installed via the following process:

***Describe the process of installing the object code for the application server if it's a simple directory copy operation (like Access or 4D). Otherwise, reference the scripts that do the job for a complicated install (like SQL Server or Oracle).

REGRESSION TEST EXECUTION

The regression test procedures for the following test plans will be executed:

- BOTS-CORE-STP
- BOTS-CUST-STP

The test suites are considered to be complete when Test Completion Reports (TCRs) are produced for all test cases. Refer to the Software Testing Process Description and the Test Results chapter of this document.

PRODUCTION INSTALLATION PROCESS

This chapter deals with module-specific issues such as server and operating systems specific to the production machines, necessary data migration and conversion procedures, and testing. The testing and test results reporting processes are described in the project Software Configuration Management Plan and Software Quality Assurance Plan.

TEST ENVIRONMENT

Prerequisites for successful installation of this application include the correct server hardware configuration, operating system, database/application server software and associated add-ins.

PRODUCTION HARDWARE PLATFORM

The BOTS system requires the use of a *** server configured as follows:

- *** List of hardware components required, including CPU(s), NIC(s) and disk storage.

PRODUCTION OPERATING SYSTEM

The BOTS system requires the use of the ***OPERATING-SYSTEM+Version+Patches operating system.

PRODUCTION SERVICES

The BOTS system requires the installation of the following services:

- ***SERVER+Version+Patches,
- ***OTHERSERVER+Version+Patches,
- ***OTHERAPP+Version+Patches.

PRODUCTION ENVIRONMENT INITIALIZATION

Initialization of the production environment involves migration of baseline production data into the database engine, migration of the correct users and their roles, installation of the integrated application components into the appropriate servers, and running the acceptance tests for all installed application components.

PRODUCTION DATA MIGRATION & CONVERSION

The system production data will be updated via the following load and conversion scripts:

- Table 1: Load/ConversionScriptName
- Table 2: Load/ConversionScriptName
- Table 3: Load/ConversionScriptName

These load and conversion scripts are stored in the project CM system under the following directory:

- ProdLoad/ConversionScriptDirectory

USERS AND ROLES INSTALLATION

The user groups and roles identified in the system Physical Database Description(s) will be migrated via ***.

APPLICATION COMPONENT INSTALLATION

All current application components will be installed via the following process:

***Describe the process of installing the object code for the application server if it's a simple directory copy operation (like Access or 4D). Otherwise, reference the scripts that do the job for a complicated install (like Java/Oracle or .NET/SQL Server).

ACCEPTANCE TEST EXECUTION

The acceptance test procedures for the following test plans will be executed:

- BOTS-CORE-STP
- BOTS-CUST-STP

The test suites are considered to be complete when Test Completion Reports (TCRs) are produced for all test cases. Refer to the Software Testing Process Description and the Test Results chapter of this document.

REGRESSION TEST RESULTS

Testing is conducted during the Integration & Test (I&T) stage and the Installation & Acceptance (I&A) stage. The I&T stage focuses on the execution of the regression test procedures as described in the associated component Software Test Plans (STPs). The I&A stage focuses on the execution of the acceptance test procedures from the component STPs. This document reflects the results of the I&T stage testing efforts. A separate acceptance plan addresses the results of the acceptance testing effort.

BOTS-CORE-STP

INPUT-OUTPUT FILES AND TEST SCRIPTS

The following input/output files and/or test scripts were used during regression testing for this component:

- File1
- File2
- File3

TEST COMPLETION REPORTS (TCRS)

The following TCRs were generated during regression testing for this component:

Test Case	TCR
Test Case 1: Database engine data dictionary and access roles	TCR-BOTS-CORE-1.0-TC01.1
Test Case 2: Database engine performance	TCR-BOTS-CORE-1.0-TC02.1
Test Case 3: Welcome Page	TCR-BOTS-CORE-1.0-TC03.1
Test Case 4: Login	TCR-BOTS-CORE-1.0-TC04.1
Test Case 5: Login Retry	TCR-BOTS-CORE-1.0-TC05.1
Test Case 6: Change Password	TCR-BOTS-CORE-1.0-TC06.1
Test Case 7: Application Top	TCR-BOTS-CORE-1.0-TC07.1

Test Case	TCR
Test Case 8: Data Area Top	TCR-BOTS-CORE-1.0-TC08.1
Test Case 9: Summary Listing	TCR-BOTS-CORE-1.0-TC09.1
Test Case 10: Detail Display	TCR-BOTS-CORE-1.0-TC10.2
Test Case 11: Report Selection	TCR-BOTS-CORE-1.0-TC11.2
Test Case 12: Operations Selection	TCR-BOTS-CORE-1.0-TC12.1

TEST INCIDENT REPORTS (TIRS)

The following TIRs were generated during regression testing for this component:

Test Case	TIR
Test Case 10: Detail Display	TIR-BOTS-CORE-1.0-TC10.1
Test Case 11: Report Selection	TIR-BOTS-CORE-1.0-TC11.1

BOTS-CUST-STP

INPUT-OUTPUT FILES AND TEST SCRIPTS

The following input/output files and/or test scripts were used during regression testing for this component:

- File1
- File2
- File3

TEST COMPLETION REPORTS (TCRS)

The following TCRs were generated during regression testing for this component:

Test Case	TCR
Test Case 1: Database engine data dictionary and access roles.	TCR-BOTS-CUST-1.0-TC01.1
Test Case 2: Database engine performance.	TCR-BOTS-CUST-1.0-TC02.1
Test Case 3: Customer Triggers	TCR-BOTS-CUST-1.0-TC03.1
Test Case 4: Demographic Triggers	TCR-BOTS-CUST-1.0-TC04.1
Test Case 5: Customer Data Area Selection & Top	TCR-BOTS-CUST-1.0-TC05.1
Test Case 6: Customer Searches	TCR-BOTS-CUST-1.0-TC06.1
Test Case 7: Customer Summary Listing	TCR-BOTS-CUST-1.0-TC07.1
Test Case 8: Customer Detail Display	TCR-BOTS-CUST-1.0-TC08.2

Test Case	TCR
Test Case 9: Customer Reports	TCR-BOTS-CUST-1.0-TC09.1
Test Case 10: Customer Operations	TCR-BOTS-CUST-1.0-TC10.1
Test Case 11: Demographics Selection & Top	TCR-BOTS-CUST-1.0-TC11.1
Test Case 12: Demographic Searches	TCR-BOTS-CUST-1.0-TC12.1
Test Case 13: Demographic Summary Listing	TCR-BOTS-CUST-1.0-TC13.1
Test Case 14: Demographic Detail Display	TCR-BOTS-CUST-1.0-TC14.1
Test Case 15: Demographic Reports	TCR-BOTS-CUST-1.0-TC15.1
Test Case 16: Demographic Operations	TCR-BOTS-CUST-1.0-TC16.1

TEST INCIDENT REPORTS (TIRS)

The following TIRs were generated during regression testing for this component:

Test Case	TIR
Test Case 8: Customer Detail Display	TIR-BOTS-CUST-1.0-TC08.1

RESULTS SUMMARY

The above listings show that all regression test cases for the above components have been conducted with satisfactory results.