

Integration Testing Orientation







What is OnePurdue?

Launched July 1, 2005, OnePurdue is the University's three-year, enterprise-wide initiative that will change the way Purdue does business by integrating mission-critical enterprise data, information and business processes. Once fully implemented, OnePurdue applications will be used by virtually everyone in the University.





Why OnePurdue?

In 2001, Purdue embarked on a five-year strategic plan to become a preeminent university. It was soon determined, however, that existing processes and aging computing systems would not allow us to reach this goal without some changes. We would need to rethink the way we do business, adopting best practices in mission-critical, core-business, and student processes. OnePurdue is evolving to achieve this transformation and will ultimately help us realize our strategic vision while taking Purdue to the next level of excellence.





Benefits of OnePurdue

- More functionality
- Real-time, accurate data
- More self-service capabilities for students, faculty, and staff
- A common database to bring all campuses together
- More efficient, accessible, and productive operations
- Stable software that can be updated





Welcome to the ROSS Facility

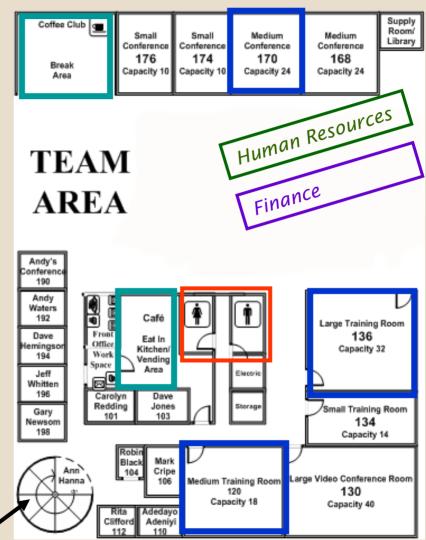




PURDUE

ROSS Facility

- Cafeteria/Break Rooms
- Restrooms
- Testing Rooms
- Human Resources
- Finance



Building Entrance





ROSS Facility

Guiding Rules

- Check in at the front desk
 - » Receptionist will direct you to the appropriate location
 - » Pick up a name tag for security purposes
- Building hours
 - » 7:00 a.m. to 6:00 p.m.
- Parking
 - » Permit-free parking is available to the north, east, and west (by the loading docks) of the building
 - » Street parking is available ONLY on the west side of the street (side closest to the building)







PURDUE

ROSS Facility

- Guiding Rules cont'd
 - Miscellaneous Items
 - » Please do not eat meals at your workstation
 - » Dispose of food items and/or meal containers in the café trash receptacle
 - » Be sensitive to those around you as you talk or have discussions with others
 - » Limited house phones are available
 - » Fragrances in the Workplace: While the scents of perfumes, colognes, aftershaves, and hand lotions are pleasant to some, they are the source of headaches and allergic reactions in others. In recognition of these concerns, please be mindful of your colleagues and use of fragrances while working in the OnePurdue facility.



Approach to Integration Testing







Approach to Integration Testing



The purpose of testing is to confirm that the OnePurdue business processes work according to the requirements established in the Business Blueprint Phase and that the system is ready to go live. To accomplish this, we must test every aspect of the processes.

You, as a tester, are here to help us accomplish this goal.



Approach to Integration Testing



There will be several phases of testing, starting with Preparation testing which includes validating BPPs, security testing and integration test scripts.

The next phase of testing will follow with Cycle testing in May.

Each testing phase builds upon the other.





Cycle Definitions

Cycle 1

- Functional teams to run the test scripts in a controlled environment
- Allows the team to refine the scripts as well as conduct an initial test of the system
- Expect the highest number of test incidents to be reported in this testing cycle
- Super users will be involved in this cycle







Cycle Definitions cont'd

Cycle 2

- Functional teams rerun the test scripts
- Validate that the corrections to both the script detail and to the system have been completed
- Running of scripts is smoother, but we will still expect to have test incidents reported. Cycle 2 will not be complete until all test scripts have been completed based on user acceptance criteria.
- Business Services users will be involved in the test activities. (this varies by team and user availability)







Cycle Definitions cont'd

User Acceptance Testing

- Business Services end users who are designated as User Acceptance participants run the test scripts, supported by functional team members.
- Business Services end users who are designated as User Acceptance participants should have participated in SIT (System Integration Testing).
- Few, if any, test incidents are expected in this phase. The signed test scripts will become part of the user acceptance sign off required at the end of Integration Testing.
- Regional Campus limited remote participation will be included in this phase







Testing Schedule

The following two slides indicate the testing dates for Finance (FI) and Human Resources (HR).







Finance Test Schedule

Finance Integration Testing:

Preparation Testing

April 3— May 19

System Integration Testing

Cycle 1— May 22 - June 02 Cycle 2—June 05 - June 23

User Acceptance Testing

Cycle 1— July 17 - July 28 Cycle 2— July 31 - August 11

<u>User Acceptance Decision Milestone</u>

Provide test results— August 11 Final Signoff — August 18

Go/ No Go Decision Date - September 29

*(This schedule includes HR/PR release 1)





Human Resources Test Schedule



HR/PR Integration Testing:

Preparation Testing

April 3 – May 19

System Integration Testing

Cycle 1— July 24 - August 04

Cycle 2— August 07 - August 25

Finance Release 1 Regression testing will occur during cycle 2.

User Acceptance Testing

Cycle 1 — August 28 - September 8

Cycle 2— September 11 - September 22

User Acceptance Decision Milestone

Provide test results— September 22

Final Signoff — September 29

Payroll Parallel Testing

Cycle 1 — July 20 - August 31

Cycle 2— September 05 - October 05

Final Cycle—October 09 - November 11

Go/ No Go Decision Date - December 8, 2006





^{*(}This schedule includes Finance release 2)



Test Manager

- Manage and coordinate all OnePurdue testing phases
- Work with project teams to define detailed testing strategies.
- Create & maintain OnePurdue testing project plan
- Work with Integration Manager and PMO to secure team resources to accomplish testing tasks.
- Define testing tools, processes, procedures, including:
 - Testing roles & responsibilities
 - Test script requirements
 - Test execution documentation requirements
 - Problem reporting and tracking process





Test Manager cont'd

- Create and maintain detailed test schedules for each testing phase.
- Manage and track testing progress, including problem management.
- Report testing status
- Escalate testing issues and risks
- Define end user role in testing phases
- Coordinate end user testing activities
- Coordinate test client usage
- QA test script documentation
- Interface with Audit





Functional Team Leads

- Integration Testing Prep
 - Provide input to test planning test scenario template, test tools, test procedures.
 - Assist with the definition of INTEGRATED test scenarios –
 make sure teams are working together to accomplish crossfunctional test scenarios.
 - Work with process owners to identify testing team members
 - Support timely test script development.
 - Assist with test script verification (testing the test scripts), and data set up.





Functional Team Leads cont'd

- Integration Test Execution
 - Ensure test team members are performing their responsibilities and meeting schedule.
 - Assist with Test Scenario scheduling & rescheduling.
 - Attend daily Integration Testing Status Meetings –
 responsible to communicate the status of test scenario
 execution against schedule, and the status of outstanding
 test problems.
 - Ensure testing problems identified for functional area are documented and assigned.





Functional Team Leads cont'd

- Follow up with Test Team members to ensure any test script inaccuracies are corrected.
- Ensure team members are providing regular status updates and communicate status to Test Manager.
- Coordinate updates to parent documents if required.
- Interface with Audit





Functional Team Leads cont'd

- User Sign Off Testing Execution
 - Will be OnePurdue project team members.
 - Provide fulltime participation to support users throughout user sign off testing.
 - Provide function guidance to user sign off testers.
 - Review and log problems reported by users.
 - Attend daily User Sign Off Testing status meetings.
 - Coordinate updates to parent documents if required.
- General
 - Proactively communicate status.
 - Escalate issues and concerns to Test Manager



PURDUE UNIVERSITY

Expectations

- Most of the activities will require the participant to work at the ROSS facility. Space and equipment will be provided onsite for these activities.
- Hours to be arranged, but generally will be from 8:00 a.m. to 5:00 p.m.
- Maintain a positive attitude both here and back at the 'ranch'
- Remain flexible expect the unexpected
- All testers are a VERY integral part of the OnePurdue process



Expectations cont'd

- Testing involves use of confidential information; testers will guard and protect data.
- Focus of this work is to test; project deadlines do not permit re-design of functionality.
- Training and background information necessary to help with these tasks will be provided.





SAP Navigation

SAP Navigation is an online self-paced course designed to familiarize you with navigating in the SAP software application environment.

It is <u>required</u> that you take the time to complete this course before the testing process begins.

You can begin your log on by going to: http://www.learn360.com/rwdelearning/servlet/AuthenticateServlet/

Click Allow when presented with the following message:



Use the instructions, userid and password included in the email to complete the log on process for the SAP Navigation course.

