

# SAP Solution Manager – Test Workbench

Testing of SAP-centric Solutions



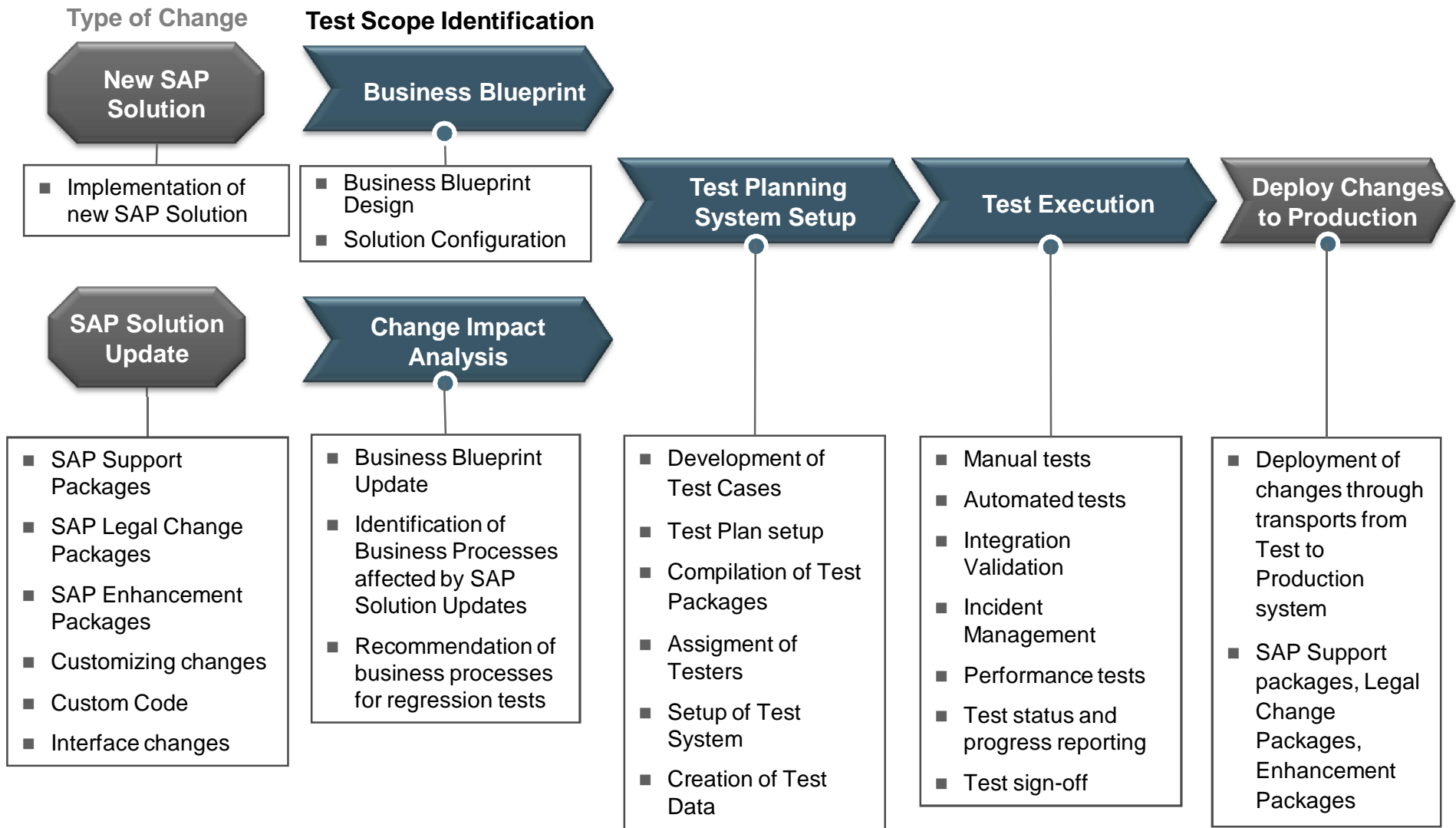
Application Lifecycle Management  
Active Global Support (AGS)  
SAP AG

THE BEST-RUN BUSINESSES RUN SAP™



# E2E Integration Testing of SAP Solutions

## Test Process embedded in the SAP Application Lifecycle

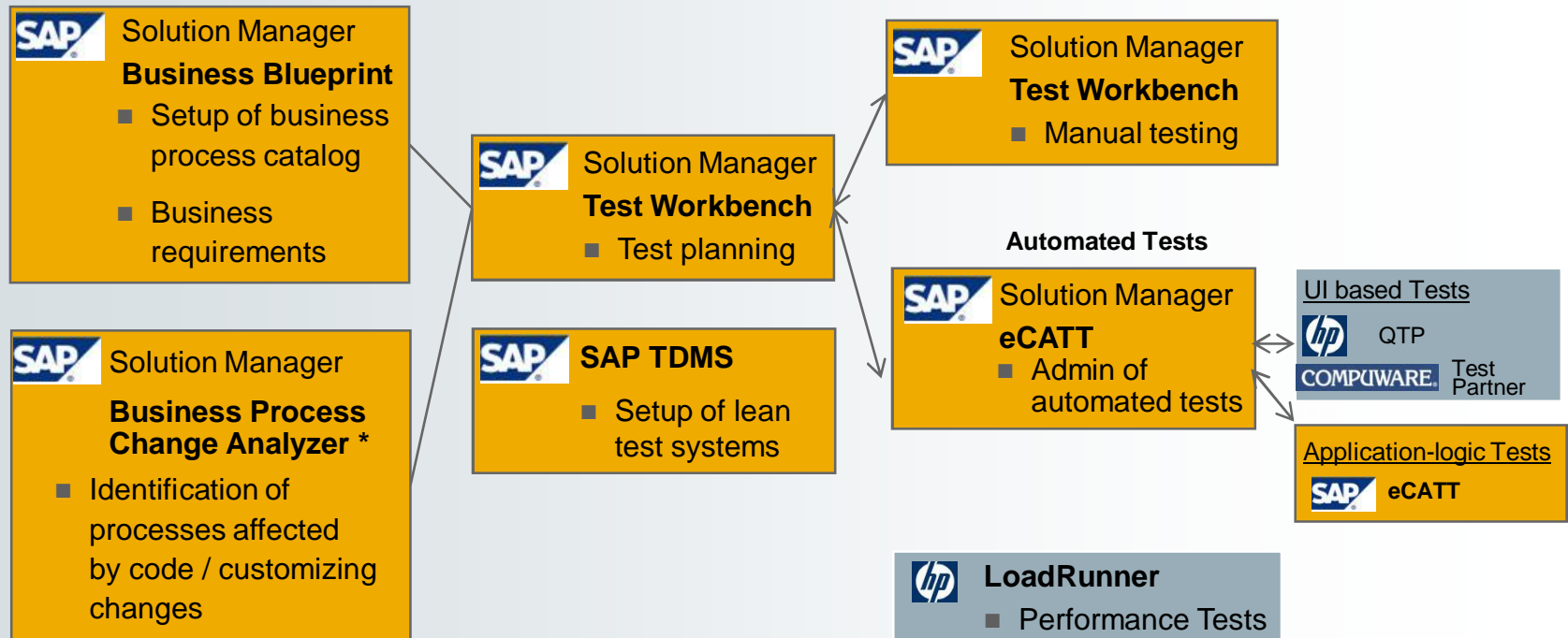


# E2E Integration Testing of SAP Solutions

## Options for SAP Customers



### Option 1



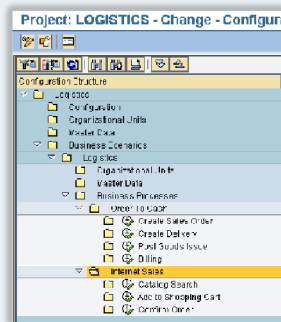
\* Availability with SAP Solution Manager 7.0 EhP1

# Test Planning, Execution and Reporting



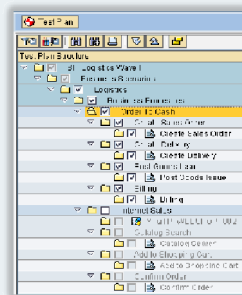
## Test Planning

### Business Blueprint with assigned Test Cases



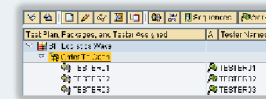
- Test Scope Identification
- Blueprint for new Solution
- Change Impact Analysis for Solution Update
- Test Coverage check
- Test Case review and creation of missing test cases
- Test Case Assignment Report
- Sign-Off of Test Scope

### Generate Test Plans and Packages for selected Test Cases



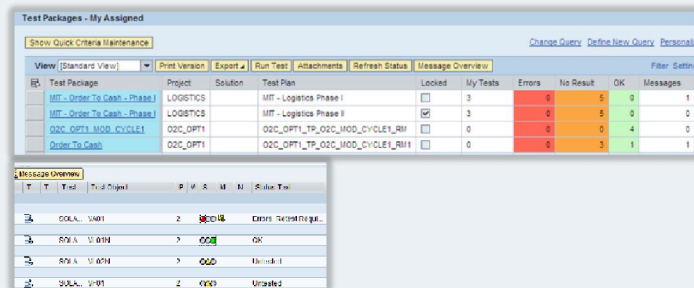
- Test Planning
- Select Test Cases for specific Phases (Test Plan)
- Distribute Test Cases to Testers (Test Package)
- Define Test Workflow (Sequences)

### Assign Tester to Test Package



## Test Execution

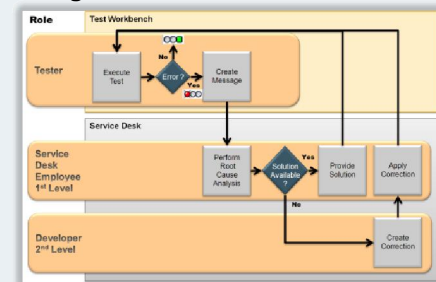
### Tester Worklist to start manual and automated Tests



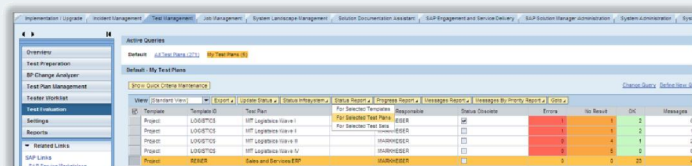
### Key Capabilities

- Predefined Test Systems
- E-Mail notification via Workflow
- Status and Result Documentation

### Integrated Service Desk



## Test Reporting



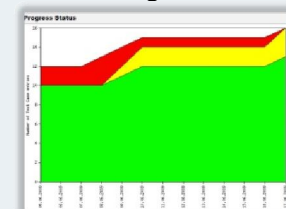
### Role based Capabilities:

- Status Reporting (Realtime & BI)
- Messages Reporting (Realtime & BI)
- Test Progress (BI)

### Status Analysis



### Status Progress



# Test Workbench - Test Planning

## Quick Access via Test Management Work Center



- Intuitive navigation to access Test Plan and Test Packages and related features
- Standard Queries All Test Plans / My Test Plans to list all or only own Test Plans
- Users can create their own queries can be defined based on various selection criteria

My Home Business Process Operations Change Management Root Cause Analysis Implementation / Upgrade Incident Management **Test Management** Job Management System Landscape Manager

Active Queries

Test Plans [My Test Plans \(1\)](#) [All Test Plans \(12\)](#)

Test Plans - All Test Plans

Show Quick Criteria Maintenance

View [Standard View] Print Version Export Test Plan Goto Utilities

Test Plan	Person Responsible	Release Status	Value	Changed On	Changed At	Project
<a href="#">BPCA Example 1 - Order to Cash Customizing Change - B</a>	ALLISSAT			11.12.2008	16:38:11	Q2C_OPT1
<a href="#">BPCA Example 2 - Order to Cash Workbench Change - B</a>	ALLISSAT			11.12.2008	17:32:26	Q2C_OPT1
<a href="#">BPCA Example 3 - Order to Cash Support Package Chan</a>	ALLISSAT			11.12.2008	18:02:13	Q2C_OPT1
<a href="#">Background</a>	SCHLEIERM			17.07.2008	18:08:45	
<a href="#">ECATT MAIN (Test Plan)</a>	SAP			20.04.2006	11:08:13	
<a href="#">LOGISTICS - Q2C OPT1 TP Q2C INT CYCLE3</a>	TRAUTHWEIN	RELEASED		01.09.2008	15:35:19	LOGISTICS
<a href="#">LOGISTICS - Q2C OPT1 TP Q2C MOD CYCLE1</a>	TRAUTHWEIN	RELEASED		01.09.2008	15:35:15	LOGISTICS
<a href="#">MIT - Logistics Phase</a>	MARKHEISER	RELEASED		12.12.2008	10:33:25	LOGISTICS
<a href="#">Q2C_OPT1_TP_Q2C_INT_CYCLE3</a>	TRAUTHWEIN	RELEASED		15.07.2008	16:27:46	Q2C_OPT1
<a href="#">Q2C_OPT1_TP_Q2C_MOD_CYCLE1</a>	TRAUTHWEIN	RELEASED		08.12.2008	11:03:16	Q2C_OPT1
<a href="#">Q2C_OPT1_TP_Q2C_MOD_CYCLE1_RM</a>	TRAUTHWEIN	RELEASED		11.12.2008	17:01:15	Q2C_OPT1
<a href="#">Q2C_OPT1_TP_Q2C_MOD_CYCLE1_RM1</a>	TRAUTHWEIN	NEW		12.12.2008	13:29:27	Q2C_OPT1

Related Links

SAP Links

- SAP Service Marketplace
- SAP Support Portal
- SAP Help Portal

# Test Workbench - Test Planning

## Challenges in Test Planning



### Challenges:

- **High volume of Processes and Test Cases to be managed**
- **Different variants of same Business Process may need to be reflected in Test Planning**
- **Different Type of Tests may require different Test Case selection**
  - Unit Test
  - Integration Test
  - Regression Test
  - Automated Test
  - ...
- **How to find the right Test Cases for Test to be planned ?**

### SAP Approach:

- **Classification of Business Processes and Test Cases via Attributes**
- **These Attributes can be used in Test Case selection when generating Test Plans**
- **Business Process Change Analyzer\* which allows automated risk based Test Plan Generation**

\* Available with SAP Enterprise Support

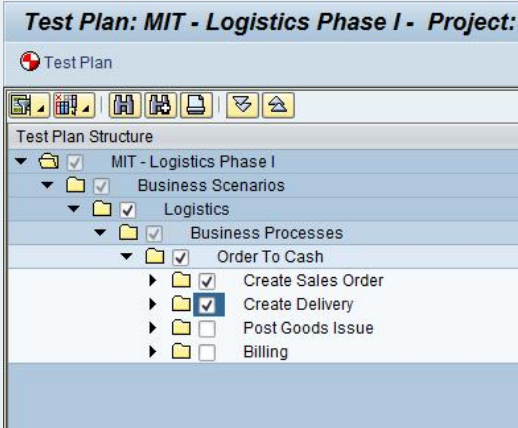


# Test Workbench - Test Planning

## 4 Options to generate Test Plans



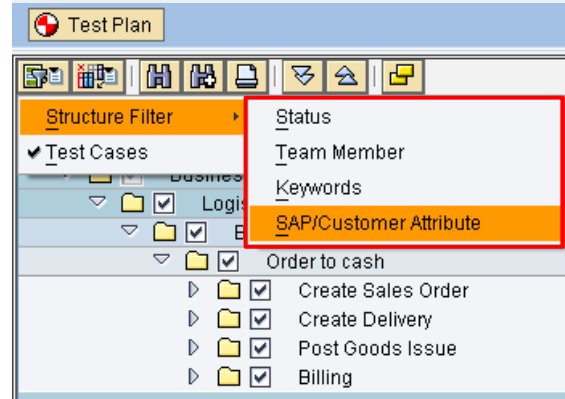
### 1. Manual Selection



Individual selection of Test Cases based on Business Process Structure

**Benefit:**  
High flexibility

### 2. Business Process Attribute Filter



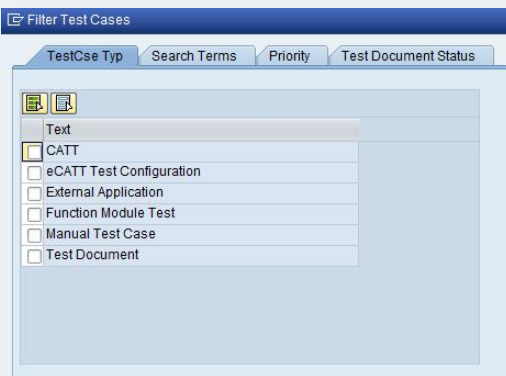
Allows to filter Test Cases based on

**Business Process Attributes** like

- Status
- Team Members
- Keywords
- SAP/Customer Attributes

**Benefit:**  
Useful for high volume processing

### 3. Test Case Attribute Filter



Allows to filter on **Test Cases Attributes** like:

- Test Case Type
- Search Terms
- Priority
- Status

assigned to the individual Test Case

**Benefit:**  
Useful for high volume processing

### 4. Business Process Change Analyzer \* Automated selection



of Test Cases based on Change Impact Analysis performed with the Business Process Change Analyzer

**Benefit:**  
Less Test Planning effort,  
Reduced Risk

## Benefits:

- Provides flexibility and efficiency regarding Test Planning for different Test Types: Unit Test, Module, Process and Scenario Integration Tests / Manual and Automated Tests / Ad-hoc Test based on business criteria or Change Impact Analysis

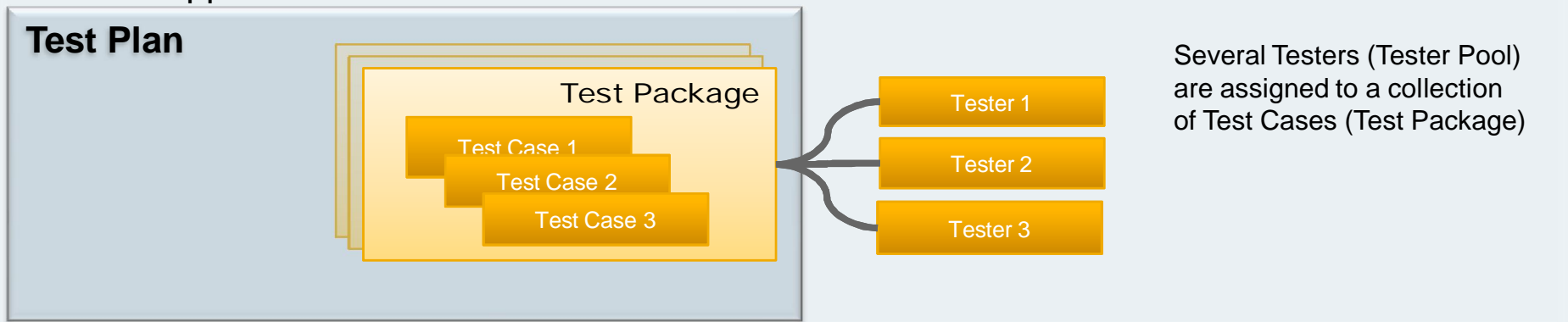
\* Available with SAP Enterprise Support

# Test Workbench - Test Planning

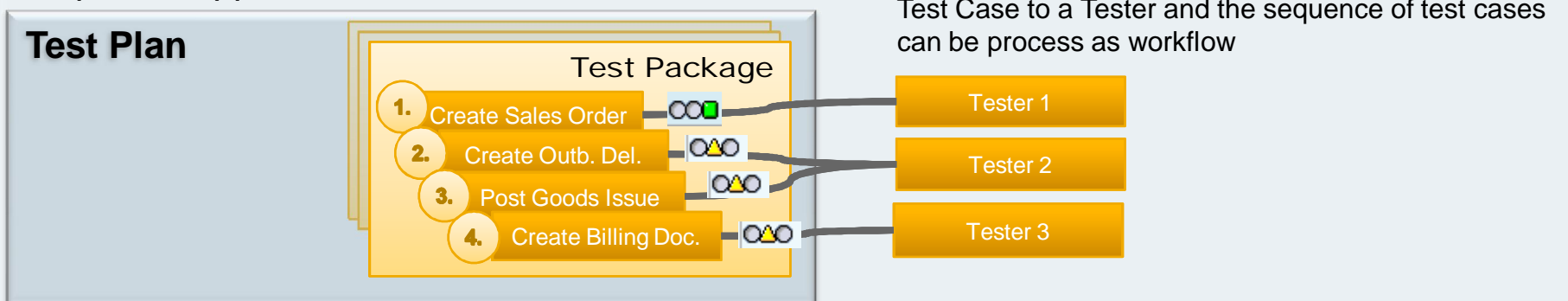
## Workflow support for Test Execution via Test Sequences



Standard approach:



Sequence approach:



Example: As soon Test Case 1 has been processed successfully by Tester 1, Tester 2 will be notified by E-Mail that Test Case 2 is ready to be tested

### Benefit:

- Less coordination effort during complex scenario tests and accelerated test execution



# Test Workbench - Test Execution

## Test workflow with Sequences



### Tester 1



### Worklist of Tester 1 on assigned Test Package

Test Run Test Package "Order To Cash"

Perform Test

Test Plan: MIT Logistics Wave I  
 Test Package: Order To Cash  
 Analysis of: 27.08.2008, 10:54:59  
 Release status: RELEASED (Released for Test)  
 Test execution released

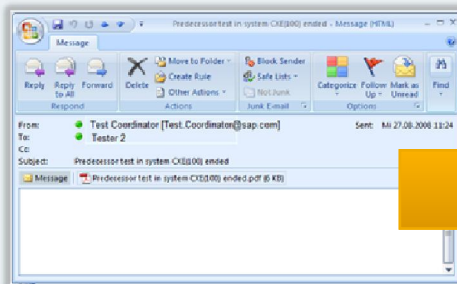
Test	Ready to Test	Tester	Complete name	User Type	ID	Number	Test Ended	Run Test Case To	Test	Test Object	Prio	Wei	Stat	Me	No	Status Value	Status
Create Sales Order	✓	Tester 1	Tester 1	Business Partner	SO 1	1				SOLARGEN_VA01	2		000			NOT_TESTED	Unstest
Create Delivery		Tester 2	Tester 2	System User		2				SOLARGEN_VL00N	2		000			NOT_TESTED	Unstest
Post Goods Issue		Tester 2	Tester 2	Business Partner		3				SOLARGEN_VL02N	2		000			NOT_TESTED	Unstest
Billing		Tester 3	Tester 3	System User		4				SOLARGEN_VED1	2		000			NOT_TESTED	Unstest

Test 1 set to Status 'OK'

### Tester 2



### E-Mail notification



### Worklist of Tester 2 after Tester 1 is finished

Test Run Test Package "Order To Cash"

Perform Test

Test Plan: MIT Logistics Wave I  
 Test Package: Order To Cash  
 Analysis of: 27.08.2008, 13:12:07  
 Release status: RELEASED (Released for Test)  
 Test execution released

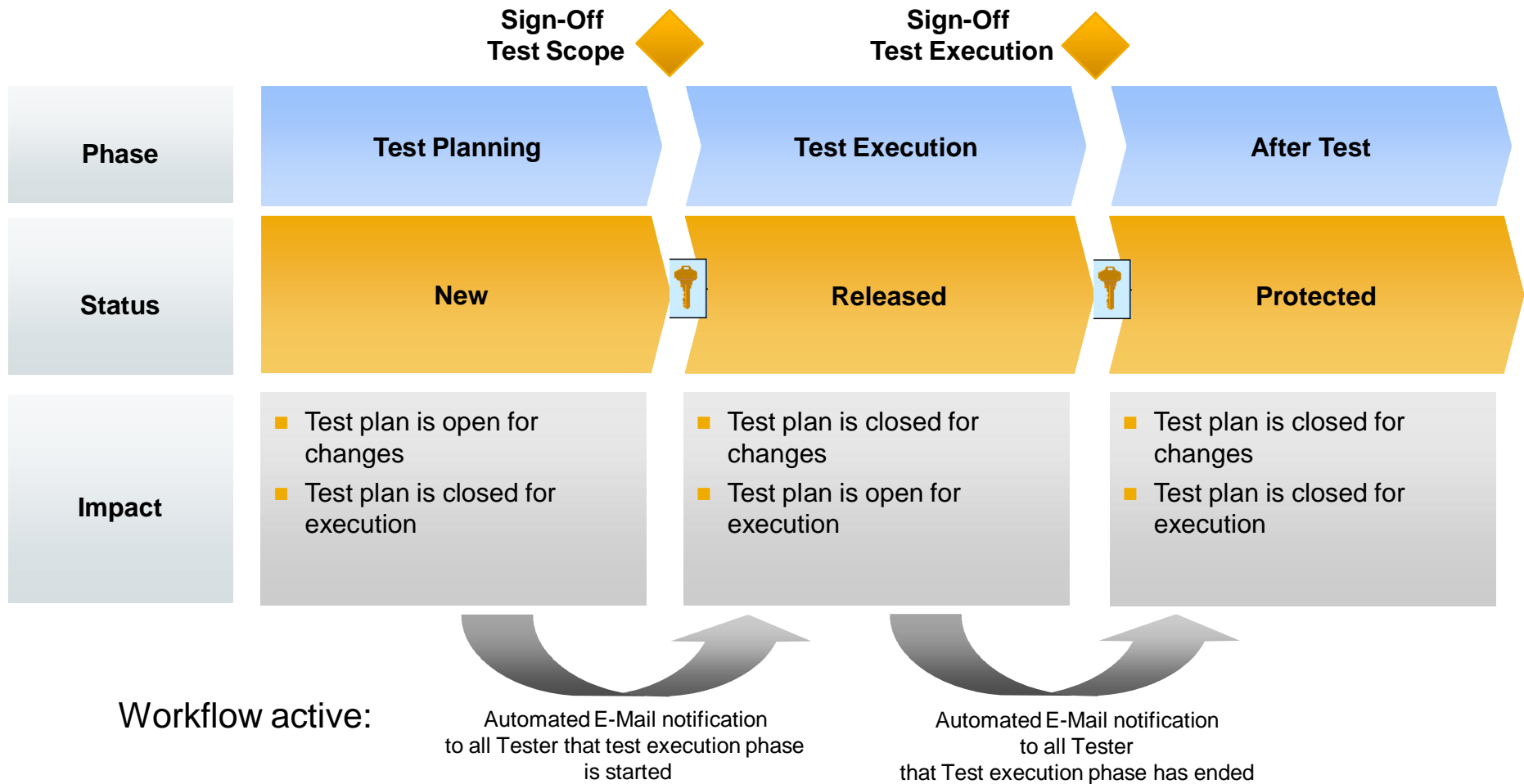
Test	Ready to Test	Tester	Complete name	User Type	ID	Number	Test Ended	R	To	Test	Test Object	Prio	Wei	Stat	Me	No	Status Value	Status Description
Create Sales Order	✓	Tester 1	Tester 1	Business Partner	SO 1	1					SOLARGEN_VA01	2		000			TEST_OK	OK
Create Delivery		Tester 2	Tester 2	System User		2					SOLARGEN_VL00N	2		000			NOT_TESTED	Unstest
Post Goods Issue		Tester 2	Tester 2	Business Partner		3					SOLARGEN_VL02N	2		000			NOT_TESTED	Unstest
Billing		Tester 3	Tester 3	System User		4					SOLARGEN_VED1	2		000			NOT_TESTED	Unstest

# Test Workbench - Test Planning

## Release Status Schema for Test Plans



Simplified example to highlight the benefit of Release Status Schema for test plans



### Benefit:

- Allows phased approach with Q-Gates and Sign Off with electronic signature to meet legal requirements

# Test Workbench - Test Execution

## Test Management Work Center: Tester Worklist



- Tester Worklist - Quick Access to your Test Packages and related features
- For the Tester all assigned Test Packages appear directly in the Work Center
- Standard Queries My Released, My Assigned and My Protected available
- Useful information about Test Status, Release Status of Test Plan and corresponding messages listed

**SAP Solution Manager: Work Centers**

My Home | Business Process Operations | Change Management | Root Cause Analysis | Implementation / Upgrade | Incident Management | **Test Management** | Job Management

Active Queries

Test Packages [My Released \(3\)](#) [My Assigned \(4\)](#) [My Protected \(0\)](#)

Test Packages - My Assigned

[Show Quick Criteria Maintenance](#) [Change Query](#) [Define New Query](#) [Personalize](#)

View [Standard View] | [Print Version](#) | [Export](#) | [Run Test](#) | [Attachments](#) | [Refresh Status](#) | [Message Overview](#) | Filter Settings

Test Package	Project	Solution	Test Plan	Locked	My Tests	Errors	No Result	OK	Messages
<a href="#">MIT - Order To Cash - Phase I</a>	LOGISTICS		MIT - Logistics Phase I	<input type="checkbox"/>	3	0	5	0	1
<a href="#">MIT - Order To Cash - Phase I</a>	LOGISTICS		MIT - Logistics Phase II	<input checked="" type="checkbox"/>	3	0	5	0	0
<a href="#">O2C_OPT1_MOD_CYCLE1</a>	O2C_OPT1		O2C_OPT1_TP_O2C_MOD_CYCLE1_RM	<input type="checkbox"/>	0	0	0	4	0
<a href="#">Order To Cash</a>	O2C_OPT1		O2C_OPT1_TP_O2C_MOD_CYCLE1_RM1	<input type="checkbox"/>	0	0	3	1	1

Related Links

- SAP Links
- SAP Service Marketplace
- SAP Support Portal
- SAP Help Portal

# Test Workbench - Test Execution

## Tester Worklist: Entry point to execute manual and automated Tests



Assigned Test Packages appear in the Worklist of the Tester



### Test Package with relevant Test Cases

#### Perform Test

Test Plan MIT Logistics Wave II  
 Release status RELEASED (Released for Test)  
 Test execution released  
 Test Package Order To Cash  
 Analysis of 28.10.2008, 10:04:50

Test Plan	Errors	No Result	OK	R...	T...	T...	Test	Test Object	P	V	S...	M...	N...	Status Text
Order To Cash	25 %	50 %	25 %											
Create Sales Order	100 %	0 %												
Create Delivery	0 %	0 %												
Post Goods Issue	0 %	100 %	0 %					SOLA.. VL02N	2					Untested
Billing	0 %	100 %	0 %					SOLA.. VF01	2					Untested

Access Test Case Description

Start Transaction in System under Test

Access Status Maintenance

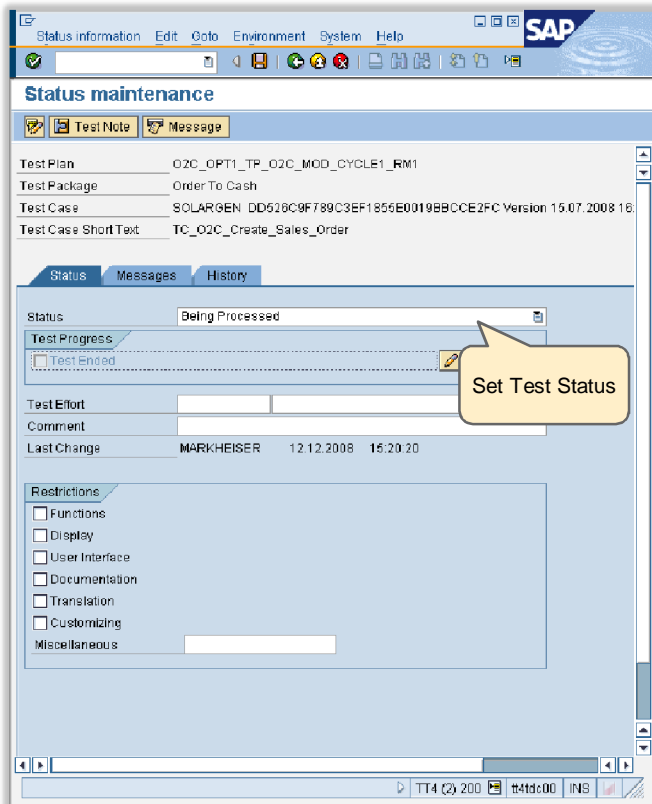
### Benefit:

- Direct access to the Test Cases
- Direct access to relevant Transaction in Test system
- Direct access to Test Result Documentation: Set Status, Create Test Note, Create Defect Message if needed
- Access to results data of predecessor test which may be needed for current test

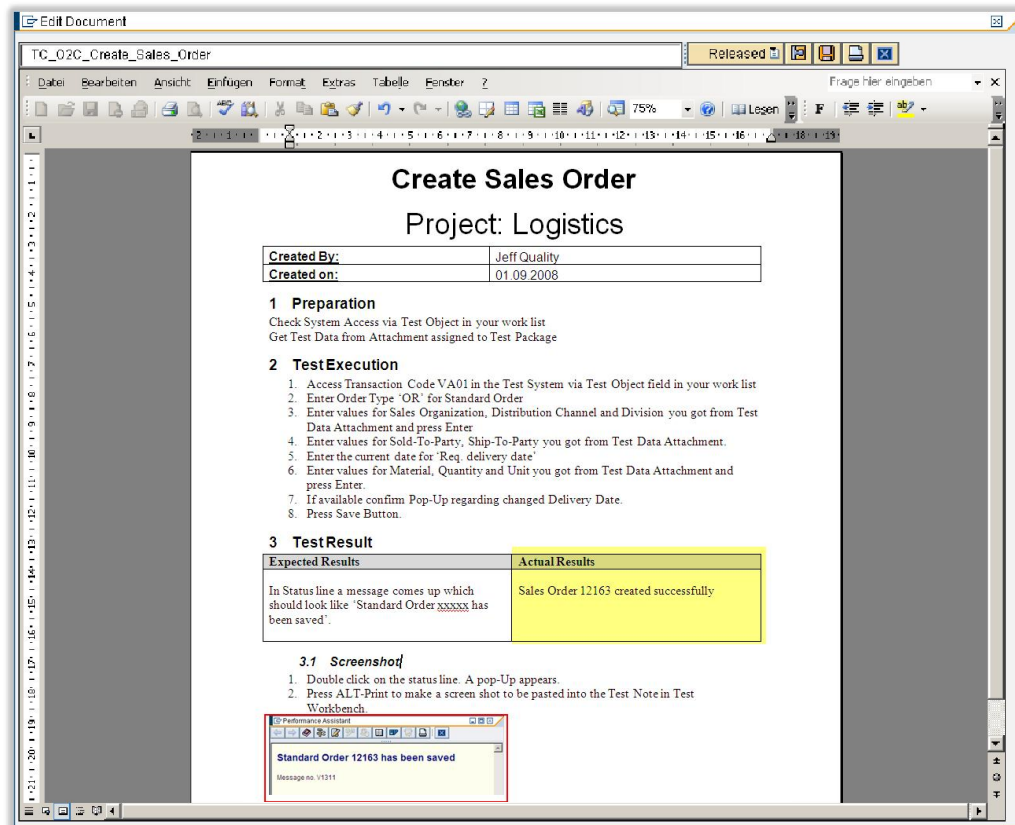
# Test Workbench - Test Execution Documentation of Test Results



## 1. Status Maintenance



## 2. Test Note: Document Test Results incl. Test Data and Screenshot



## Benefit:

- Transparency and Traceability about Test Results
- Meet legal requirements via Digital Signature
- Test Case Description can be used as template for Test Note
- Test Note can be used to handover Result Data to be used for subsequent Tests

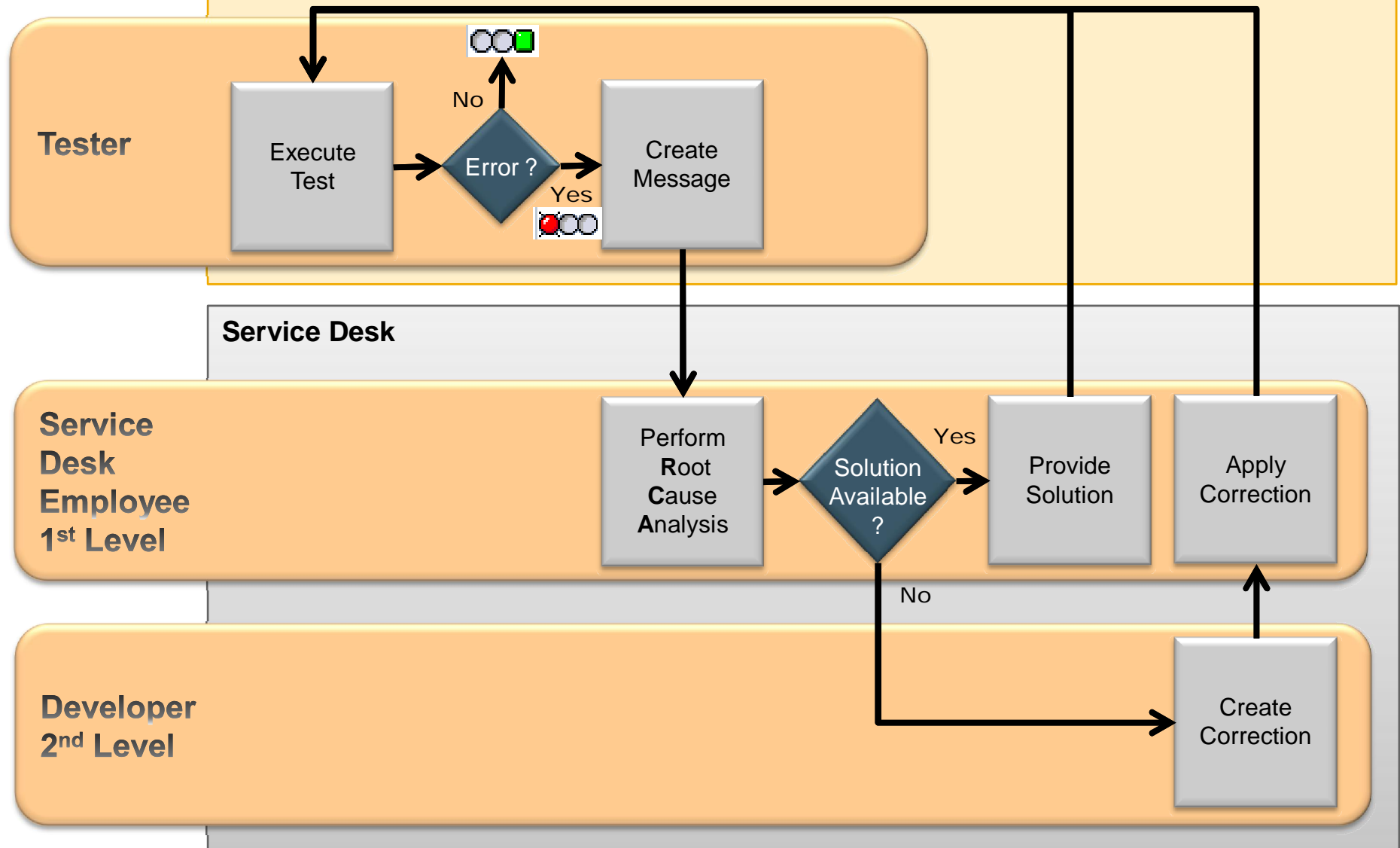
# Test Workbench - Test Execution

## Typical process to report test related errors



Role

Test Workbench





# Test Workbench - Test Execution Integration with Service Desk



## Set Status und create Message in the Test Case context



The screenshot shows the SAP Test Workbench interface. The 'Status maintenance' window displays test case details: Test Plan (MIT - Logistics Phase II), Test Package (MIT - Order To Cash - Phase II), Test Case (SOLARGEN\_DD528CAF9547E7F1955E0019B0DCE2FC), and Test Case Short Text (TC\_Q2C\_Create\_Delivery). A 'Create Support Message' dialog is open, showing fields for Message Type (SLFN), Priority (2 Low), System/Base (40), Installation Number, Component (sd-sls), Reported by (8f Reiner MARKHEISER), Processor (stLeon), and Category. The Short Text field contains 'Error when creating delivery'. The Long Text field is empty.

## Inbox to monitor and process Service Desk Messages



The screenshot shows the SAP Solution Manager: Work Centers interface. The 'Messages' section displays a table with columns for Priority, Text, ID, Description, and User Status. Two messages are listed:

Priority	Text	ID	Description	User Status
2: High		8000002972	Error when creatin...	New
4: Low		800000154	Testmessage.0001 (...	New

Below the table, the 'Details of Message 8000002972' are shown, including fields for Reply, Add attachment, Confirm, and Print view. The message details include: Priority: 2: High, Status: New, Short Text: Error when creating delivery, Attributes: System: TTS 0120003411 800, Component: SD-SLS, Business Partners: Sold-To Party: Logistics General / D-16707 Berlin (49), System Administrator: Tony Teplny / D- (511), Message Processor: Bernd StLeon / D- (123), and Long Text.

## Benefit:

- Allows you to use similar support processes already established for other support areas
- Smooth collaboration between different parties e.g. Tester, Service Desk (1<sup>st</sup> level), Developer (2<sup>nd</sup> level)
- Allows to Report on test related messages and their status within Test Workbench
- Enhanced traceability regarding Test Errors and efficient follow-up



# Test Workbench - Test Execution

## Automated Testing integrated into Test Workbench

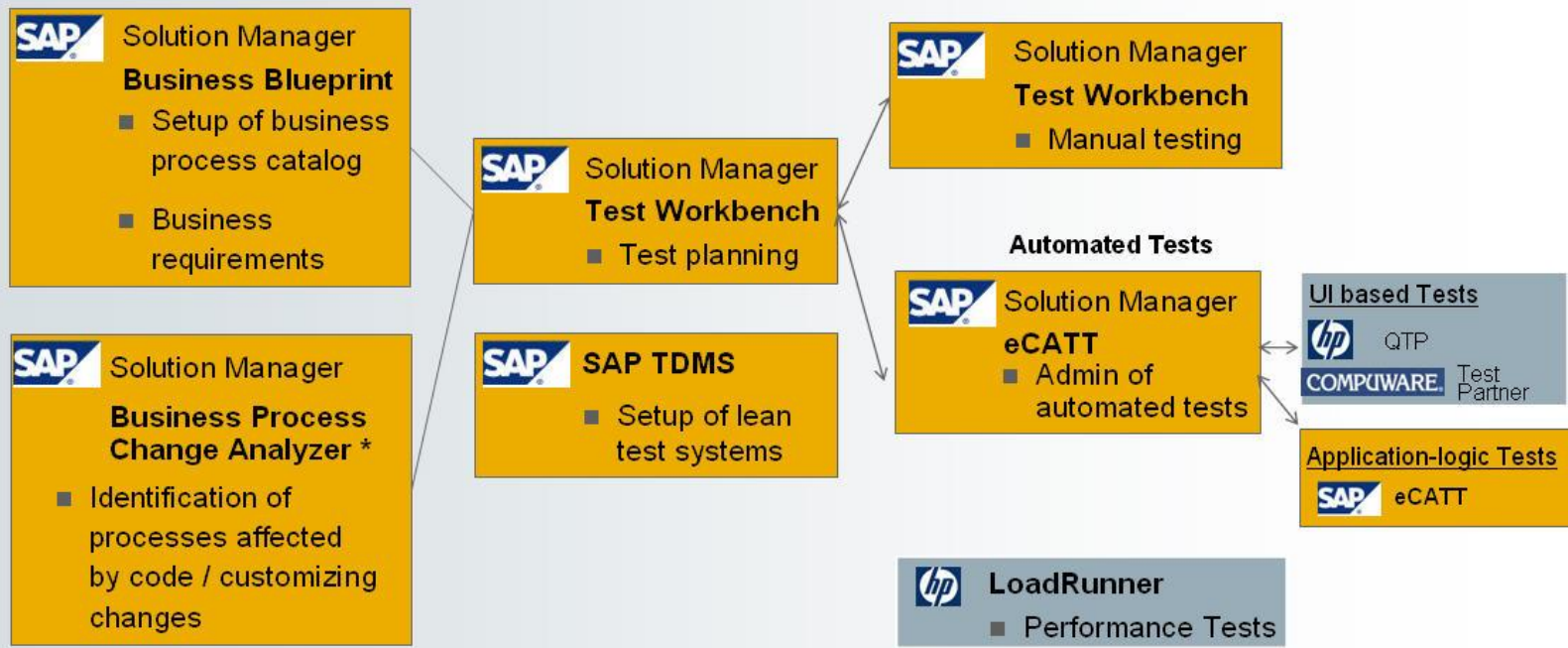


### Automated tests are seamlessly integrated into Test Workbench

#### Benefits

- Test planning for manual and automated test cases within same environment
- Test execution for manual and automated test cases via Work Center „Test Management“
- Test reporting for all types of tests within single environment

#### Option 1

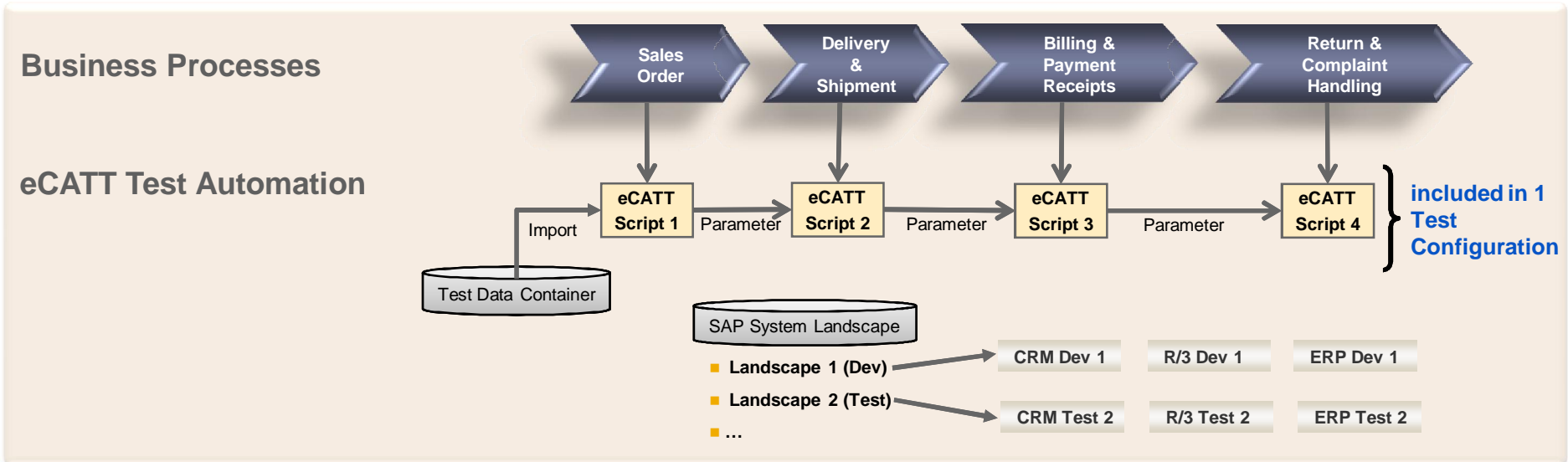


# Test Execution

## eCATT Test Automation



### Test Automation of SAP Business Processes via eCATT



### Strengths

- Testing of complex business process scenarios like Order-to-Cash and Procure-to-Pay
- Advanced functionality to test backend business logic (function modules, SOA services, test result verification at SAP table / database level, ...)
- Central definition via SAP Test Workbench combined with execution in distributed systems
- Central repository for test data



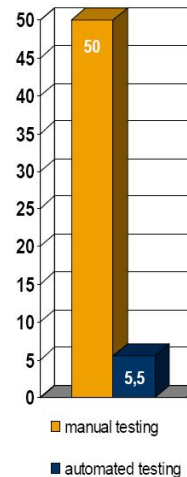
Additional ROI resulting from the deployment of the eCATT scripts in the Support Package upgrade test

→ Saving 45 days or approx. 90% !!!

- No key user involved in this test!
- Detection of errors in business critical processes
- Detection of errors in printing program

„With our eCATT scripts, the involvement of key users in the Support Package upgrade test could be entirely avoided.“

Lothar Hafner, INVISTA Cluster Lead



„The test automation gives us security: if the scripts run without any errors we can be sure that our business critical processes run properly and we can minimize the risk.“

Lothar Hafner, INVISTA Cluster Lead

„With the help of the structures within the SAP Test Workbench we were able to train the employees of the application provider along our business processes and to assess the quality of their progress. The saving effect was enormous, however, difficult to quantify.“

Lothar Hafner, INVISTA Cluster Lead



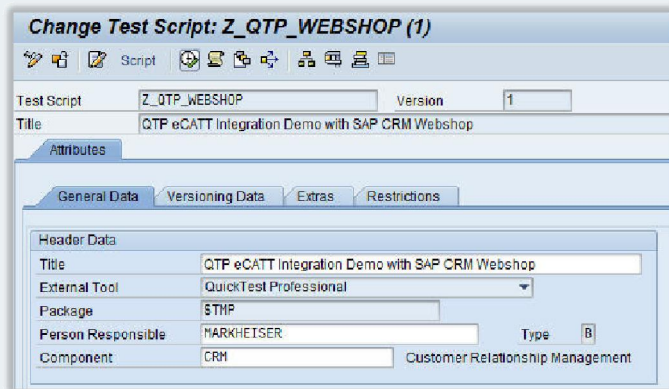
# Test Execution

## Automated Tests for non-SAPGUI using eCATT & HP QTP

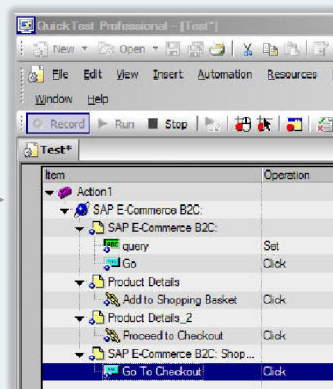


### Test Design

Launch eCATT and call HP QTP

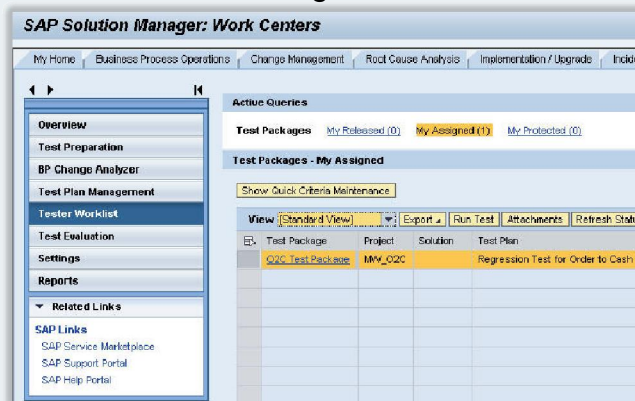


Record non-SAPGUI application via HP QTP + save script within eCATT



### Test Execution

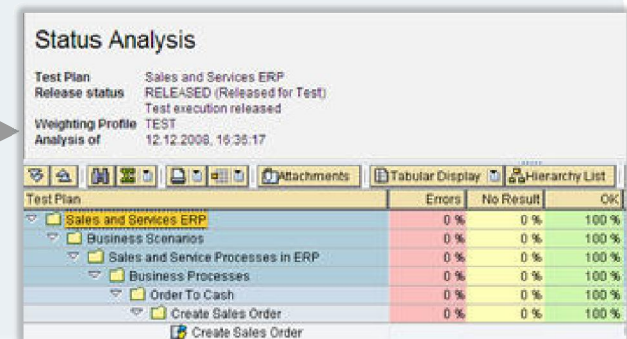
Work Center „Test Management“  
→ User executes assigned Tester Worklist



- Test Worklist: Execution of eCATT Test Configuration
- eCATT executes HP QTP script
- QTP scripts executes non-SAPGUI application
- eCATT & QTP Test logs

Test Workbench: Test result reporting

- Manual tests
- Automated eCATT / HP QTP tests





# Test Workbench - Test Reporting

## Integrated Reporting for Test Results, Test Progress and Messages



Test Coordinator



Quality Manager



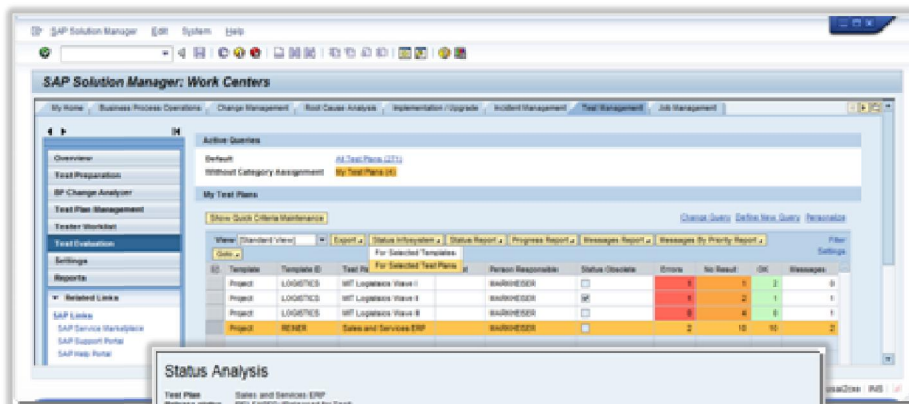
Project Lead



CIO



Steering Committee



**Status Analysis**

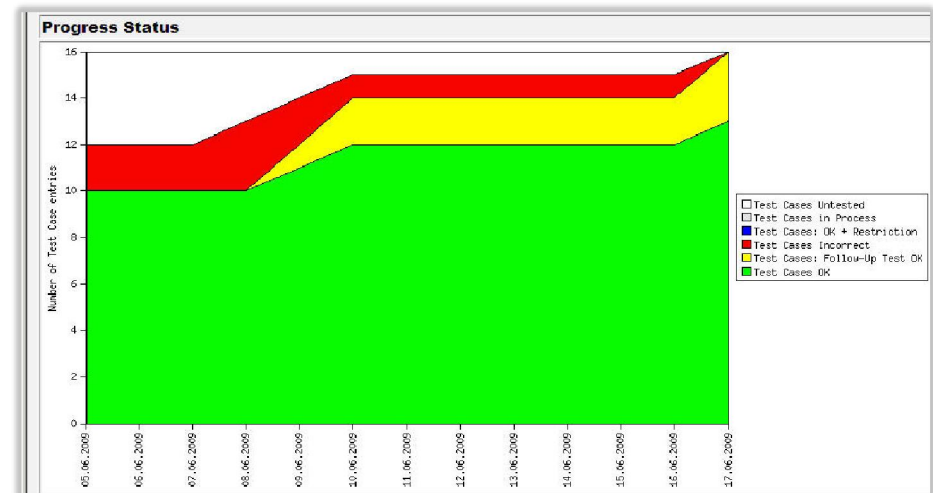
Test Plan: Sales and Services ERP  
 Release status: RELEASED (Released for Test)  
 Test execution released: 10:57  
 Weighting Profile: TEST  
 Analysis of: 27.10.2009, 14:28:25

Test Plan	Errors	No Result	OK	R.	T.	T.	Test	P.	V.	S.	M.	N.	Wake Test
System and Release (ERP)	14%	10%	60%										
Business Scenarios	14%	10%	60%										
Sales and Services Processes in ERP	14%	10%	60%										
Business Processes	14%	10%	60%										
Account Processing in ERP	20%	0%	80%										
Search and display accounts	0%	0%	100%										
Search and display accounts	0%	0%	100%										
Create and maintain account	0%	0%	100%										
Maintain account details	0%	0%	100%										
Maintain account details	0%	0%	100%										
Contact account	100%	0%	0%										
Contact account	0%	0%	100%										
Contact account	0%	0%	100%										
Print account overview	0%	0%	100%										
Print account overview	0%	0%	100%										
Member to Order Processing in ERP	14%	20%	57%										
Create assembly-to-order	0%	0%	100%										
Create assembly-to-order	0%	0%	100%										
Select inquiry or quotation	0%	0%	100%										
Select inquiry or quotation	0%	0%	100%										
Determine business partners	0%	0%	100%										
Determine business partners	0%	0%	100%										
Create order items	0%	0%	100%										
Create order items	0%	0%	100%										
Create order items	100%	0%	0%										
Create order items	0%	0%	100%										
Perform material configuration	0%	0%	100%										
Perform material configuration	0%	0%	100%										
Perform material configuration	0%	0%	100%										
Create returnable packaging items	0%	0%	100%										
Create returnable packaging items	0%	0%	100%										
Create returnable packaging items	0%	0%	100%										
Check availability, schedule order, and	0%	0%	100%										
Check availability, schedule order, and	0%	0%	100%										
Check availability, schedule order, and	0%	0%	100%										
Estimate costs	0%	0%	100%										
Estimate costs	0%	0%	100%										
Estimate costs	0%	0%	100%										
Determine prices, conditions, and con	100%	0%	0%										
Determine prices, conditions, and con	0%	0%	100%										
Determine prices, conditions, and con	0%	0%	100%										
Determine price	0%	0%	100%										
Determine price	0%	0%	100%										
Determine price	0%	0%	100%										
Determine and maintain tests	0%	0%	100%										
Determine and maintain tests	0%	0%	100%										
Determine and maintain tests	0%	0%	100%										

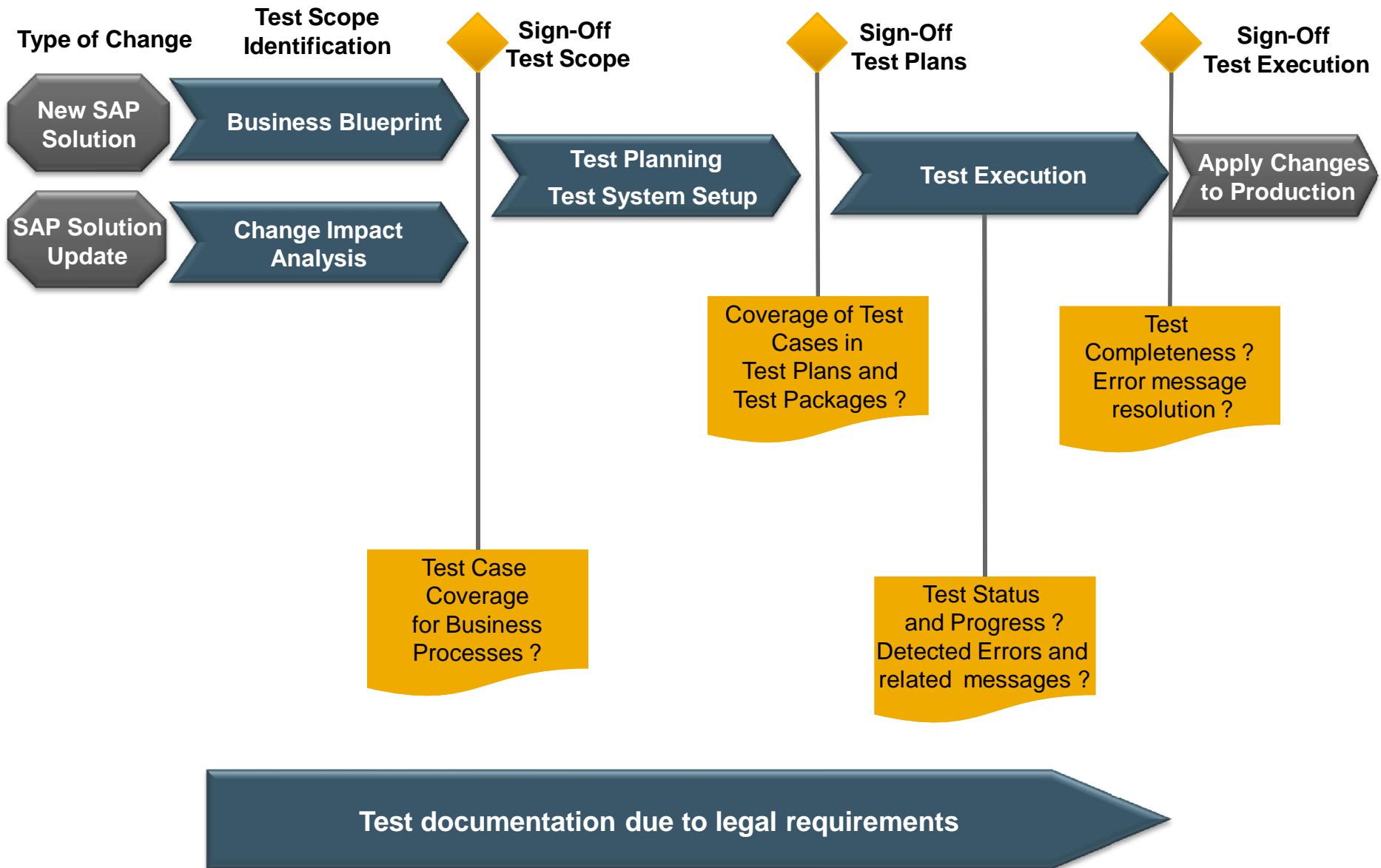
Different Roles require different views and granularity on Test Status, Defects messages and Test Progress.

SAP Test Workbench offers:

- Suitable reporting capabilities for each role
- Different levels of entry (Project, Solution, Test Plan)
- Possibility to drill-down to single Test Cases and Defect Messages.
- Switch between absolute or percentage view
- New integrated SAP BI based graphical reports e.g. for Test Progress



# Use Cases for Test Reporting in Test Process



# Test Workbench - Test Reporting

## Test Evaluation – Overview and access to several Reporting features



- Provides an overview on Test Status and related Messages
- Standard Queries All Test Plans / My Test Plans to list all or only own Test Plans
- User specific queries can be defined based on various selection criteria
- Allows to drill down to further details based on selected Project, Solution or Test Plan

The screenshot displays the SAP Solution Manager: Work Centers interface. The main window is titled "SAP Solution Manager: Work Centers" and shows a navigation pane on the left with "Test Evaluation" selected. The main content area displays "Active Queries" and "Default - My Test Plans". A table lists test plans with columns for Template, Template ID, Test Plan, Responsible, Status Obsolete, Errors, No Result, OK, and Messages.

Template	Template ID	Test Plan	Responsible	Status Obsolete	Errors	No Result	OK	Messages
Project	LOGISTICS	MIT Logistics Wave I	EISER	<input checked="" type="checkbox"/>	1	1	2	0
Project	LOGISTICS	MIT Logistics Wave II	EISER	<input type="checkbox"/>	1	1	2	1
Project	LOGISTICS	MIT Logistics Wave III	MARKHEISER	<input type="checkbox"/>	0	4	1	2
Project	LOGISTICS	MIT Logistics Wave IV	MARKHEISER	<input type="checkbox"/>	0	5	0	0
Project	REINER	Sales and Services ERP	MARKHEISER	<input type="checkbox"/>	0	0	23	4



# Test Workbench - Test Reporting

## Capabilities supporting Test Preparation and Planning



### Goal

Check test case coverage for your Business Processes to support Sign-Off for Test Scope and Test Planning

### Scope

- Reports assignment of Test Cases to process structure and potential gaps
- List of Test Cases without assignment to Test Plans or Test Packages
- Various selection criteria and filter available
  - Priority
  - Keywords
  - ...

### Benefits

- Transparency during Test Scope Definition and Test Planning is key for reliable test results

The screenshot shows the 'Configuration - Test Cases - SAP Solution Manager' window. It features a table with columns: Project Name, Structure Element, Test Case, Test Case Name, Test Case Type, T, L, and Node Type. The table contains three rows of data, with the second row highlighted in yellow.

Project Name	Structure Element	Test Case	Test Case Name	Test Case Type	T	L	Node Type
LOG_TEST	Create Sales Order	Test Case Description	Create Sales Order	Test Document			Process Step
	Create Delivery	Test Case Description	Create Delivery	Test Document			Process Step
	Post Goods Issue	Test Case Description	Post Goods Issue	Test Document			Process Step
	Billing	Test Case Description	Billing	Test Document			Process Step

The screenshot shows the 'Test - Test Case Status Analysis' window. It features a tree view on the left and a table on the right. The table has columns: Test Case, Test Case Name, Test Object, Test Object Ty..., Status, and Status Text. The tree view shows a hierarchy of project structures, including Business Processes and Billing.

Test Case	Test Case Name	Test Object	Test Object Ty...	Status	Status Text
	Create Outbound Delivery	VL01N	Transaction	000	Test Case in No Test Plan
	Billing	VF01	Transaction	000	Not Assigned to a Test Package

# Test Workbench - Test Reporting Status Info System



## Goal

Check test status for current test phase and status of related messages  
Provide aggregated as well as detailed information

## Scope

- Provide the latest test relevant information:
  - Test Status , Result Documentation
  - Defect Messages with Status and Priority
- Central entry point via Work Center - Test Evaluation for selected
  - Template (Project / Solution)
  - Test Plan
- Aggregated views on different levels:
  - Template Structure (Project / Solution)
  - Test Plan, Test Packages

with the possibility to drill down to the single Test Cases

## Benefit

Provides efficient and flexible way to get a snapshot about running or completed Test activities and related Messages.  
Decision support for Test Sign-Off

**Status Analysis**

Test Plan: Sales and Services ERP  
Release status: RELEASED (Released for Test)  
Test execution released  
Weighting Profile: TEST  
Analysis of: 12.12.2008, 16:36:17

Attachments | Tabular Display | Hierarchy List | Message Overview | Automatic Test

Test Plan	Errors	No Result	OK	R	Te	To	Test	P	W	St	M	N	Status	Te	
Sales and Services ERP	0%	0%	100%												
Business Scenarios	0%	0%	100%												
Sales and Service Processes in ERP	0%	0%	100%												
Business Processes	0%	0%	100%												
Order To Cash	0%	0%	100%												
Create Sales Order	0%	0%	100%												
Create Sales Order													Z_CR... 3	OO	Test Exec
Account Processing in ERP	0%	0%	100%												
Search and display accounts	0%	0%	100%												
Search and display accounts													SOLA... 2	OO	OK
Create and maintain account	0%	0%	100%												
Create and maintain account													SOLA... 2	OO	OK
Maintain account details	0%	0%	100%												
Maintain account details													SOLA... 2	OO	OK
Contact account	0%	0%	100%												
Contact account													SOLA... 2	OO	Retest OK
Print account overview	0%	0%	100%												
Print account overview													SOLA... 2	OO	OK
Assemble-to-Order Processing in ERP	0%	0%	100%												
Create assemble-to-order	0%	0%	100%										SOLA... 2	OO	Retest OK

**Message Overview**

Test Package	Test Cas	Test Case (Short Text)	Support Message	Name	Subject	Status	Message Priority	Component	R
Account Processing ERP	SOLARGEN	Contact account	000000683	Error	Confirmed 1: Very High	SD-SLS			
Assemble-to-Order ERP	SOLARGEN	Perform material configuration	000000631	Test	Confirmed 1: Very High	SD-SLS			
Assemble-to-Order ERP	SOLARGEN	Determine proce	000000634	Error	Confirmed 2: High	SD-SLS			
Assemble-to-Order ERP	SOLARGEN	Create assemble-to-order	000000669	Test	Confirmed 2: High	BC-ABA			

# Test Workbench - Test Reporting

## Visualized Test Status Reporting based on SAP BI



### Goal

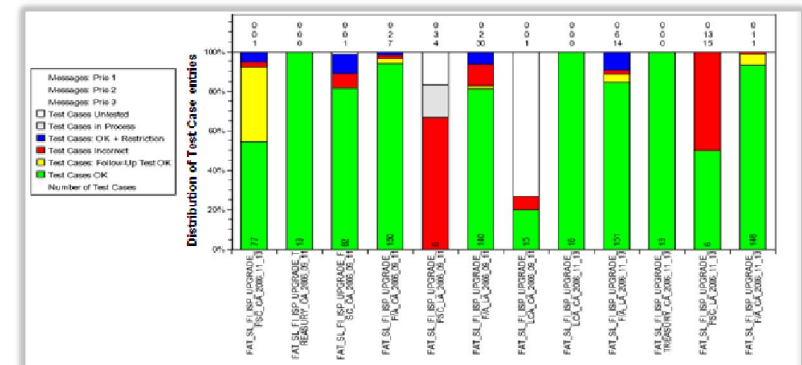
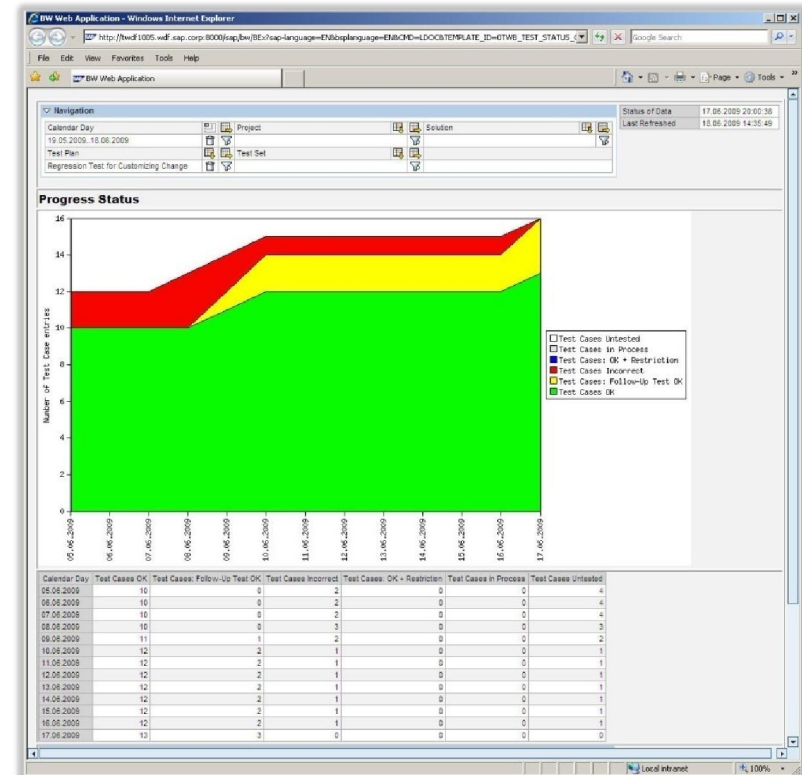
Provide state-of-the-art reporting - intuitive, flexible and extendable

### Scope

- Enable several to report earlier tests and visualize the test progress
- Complementation to the Status Info System
- Implemented Reports:
  - Test status over time
  - Test execution status and messages
  - Messages by Priority and Status
- Easy setup: no BI expertise necessary for standard reports
- Customer individual reports / dash boards can be built

### Benefit

Provides efficient and flexible way to a visualize day to day Test Status and progress, Messages



# Test Workbench - Test Reporting

## Test Report - Documenting Test Coverage and Results



### Goal

Meet legal requirement regarding Test Documentation

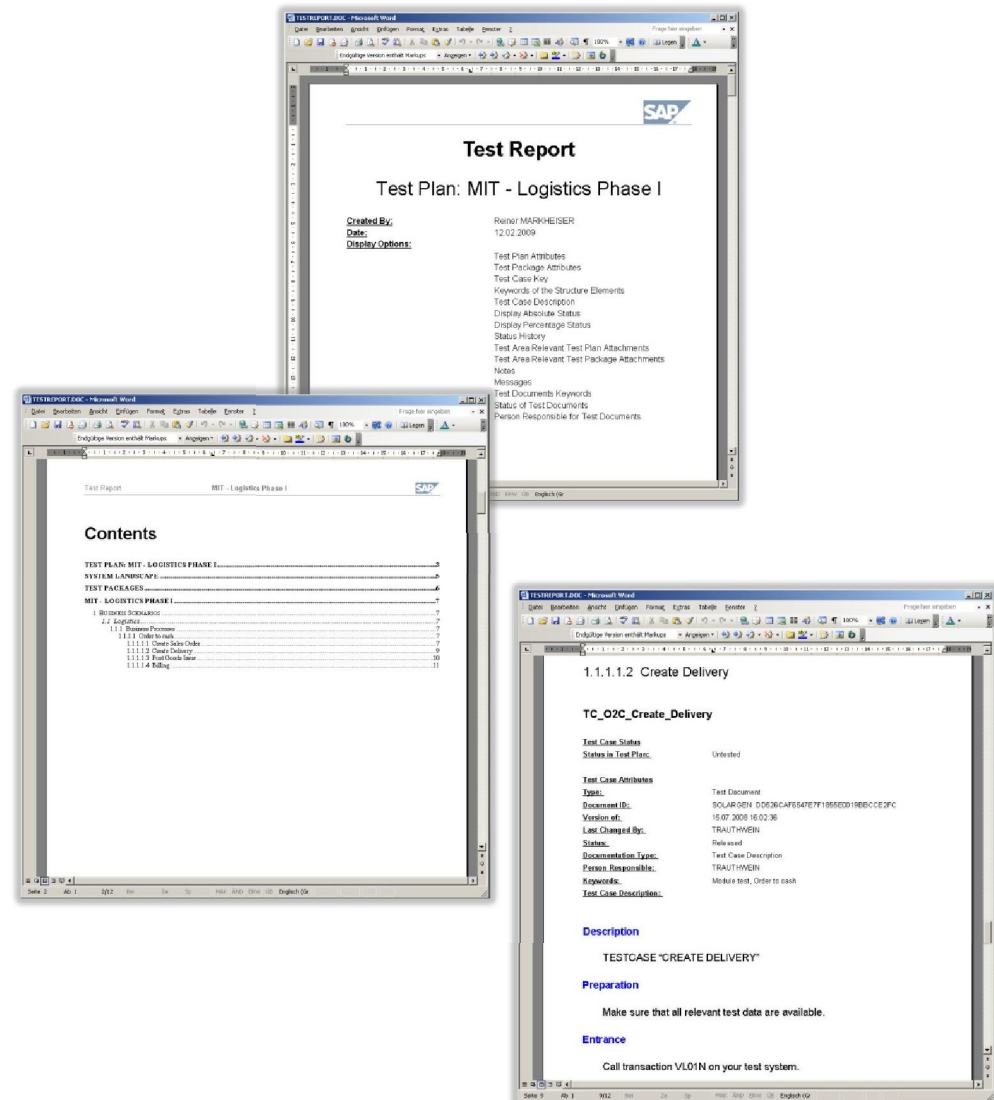
### Scope

Provide all test related information in one document:

- Project / Solution
- Test Plan - Responsible Person
- Test Plan - Overall Results Status - Percentage and absolute view
- Related Messages
- System(s) under Test
- Involved Processes
- Keywords
- Tester assignment
- Test Case Description incl. attributes
- Status history per Test Case
- ...

### Benefit

Efficient solution to get prepared for external audits.





**“The integrated functions of SAP Solution Manager have enabled us to streamline and accelerate our test processes and thereby significantly increase test management efficiency in our upgrade projects to SAP ERP 6.0.”**

Bernd-Matthias Seele, Project Manager, E.ON IS

## **E.ON IS GMBH**

**IT Provider and Full Service Provider optimizes its test organization with SAP® Solution Manager**

**“Our employees were able to use the test functions after only one hour of training. This has contributed to a high level of acceptance among employees from the user departments.”**

Bernd-Matthias Seele, Project Manager, E.ON IS





“With SAP Solution Manager we can test system adjustments far more quickly than we used to be able to. Test distribution, performance, checking, and validation are also a lot more transparent now.”

**Detlev Voss**, Test Manager,  
Südwestfalen Energie und Wasser AG

## **Benefits**

- Extensive overview of functions, interfaces, and whole IT solution landscape provides a sound foundation for decisions
- Modeled structures can be reused in future IT projects
- Standardized documentation serves as a basis for audits
- New test management system simplifies and shortens testing process
- Basis is established for automated tests
- Ease of use promotes employee buy-in
- Good work results were obtained with little training effort