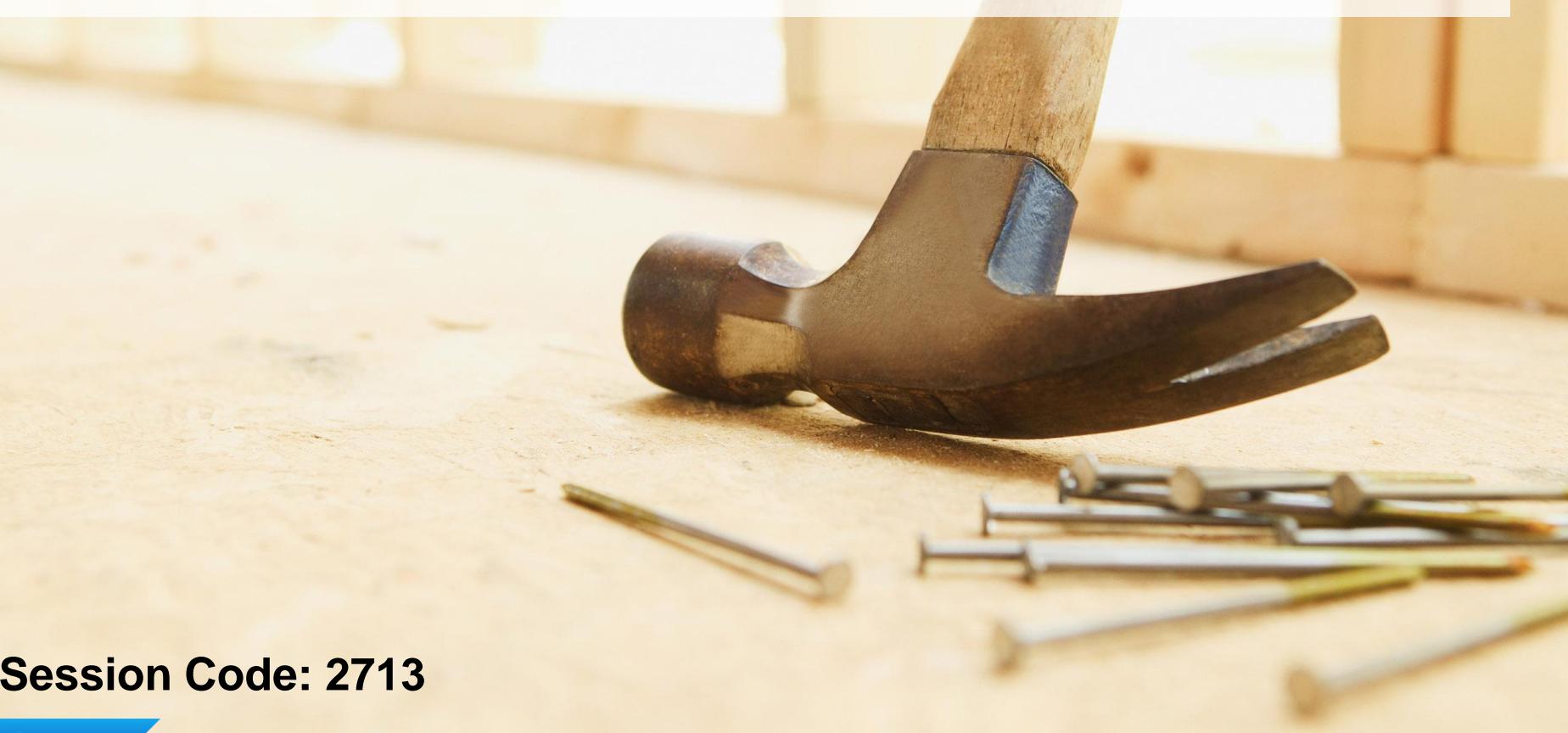


Tips and Tricks on Quality Management with SAP

Getting More Out of SAP QM

Ingo Panchyrz, QM Product Management, SAP AG

May 2011

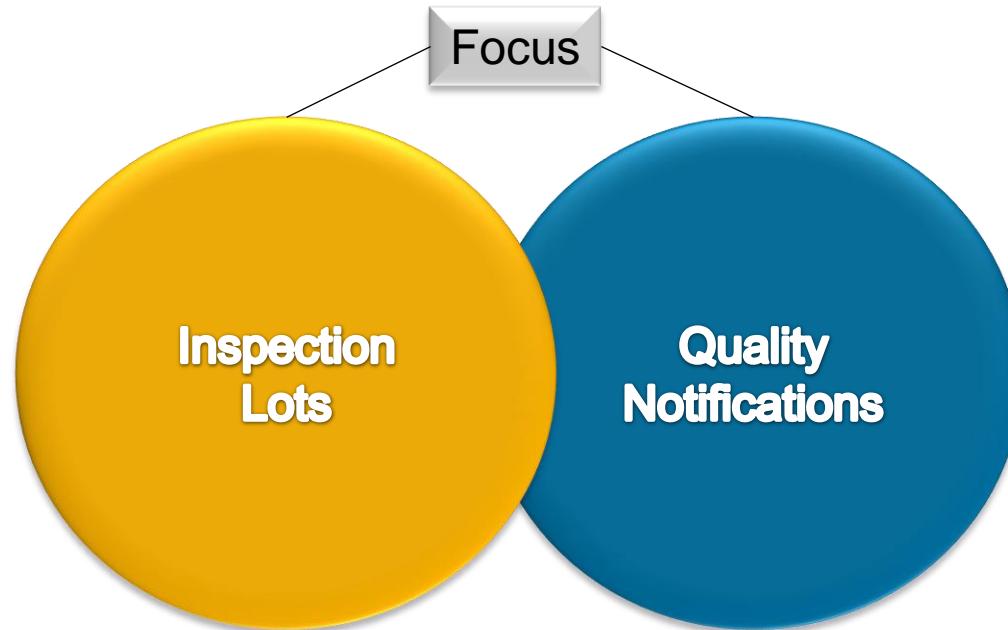


Session Code: 2713



Primary Goals

1. Learn how to use customer exits, Business Add-Ins (BAdIs), follow-up actions etc. to enhance the standard QM functionality.
2. Discover how common enhancements can look like by touring a demo.
3. Get a concrete list of ideas on how to fulfill common user requirements via customer-specific enhancements.



Agenda



- **General options for getting the best out of your ERP system**
- **Tips and tricks on inspection lots**
- **Tips and tricks on quality notifications**
- **Wrap-up and Questions**



General Options: Getting the Best Out of Your SAP ERP System

Options for Enhancing Your System w/o Modification

Personalization

- Simplifying Navigation and Transactions

Customizing

- Assign Own Function Modules
- Search Helps
- Field Selection
-

Customer Exits

- Menu Exits
- Screen Exits
- Program Exits

Business Add-Ins (BAdIs)

- Classic Business Add-Ins
- Enhancement Framework

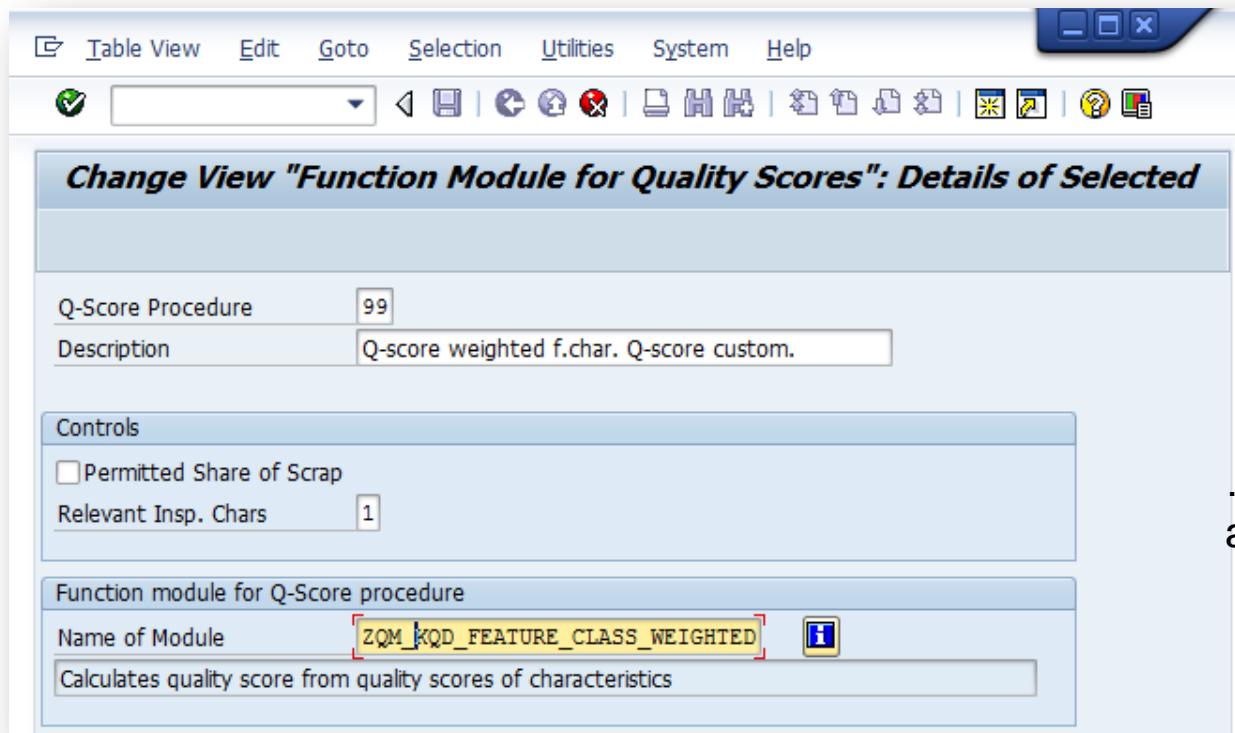
Customer Developments

- Customer-Specific Programs / Reports



Customizing I – Example Function Modules

Replace by own function modules....



... or define function modules
as follow-up actions

Function modules						
Cntr	Function Module	AftrPst	SyncUpdt	BTran	Short text for function module	
1	Z_ZQM_FOA_SEND_99	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	QM: Send Inspection Report	

Always try to use reference function modules as a copy model

Customizing II – Field Selection to Influence Screen Fields

Set certain fields to „display only“ or „mandatory“ ...

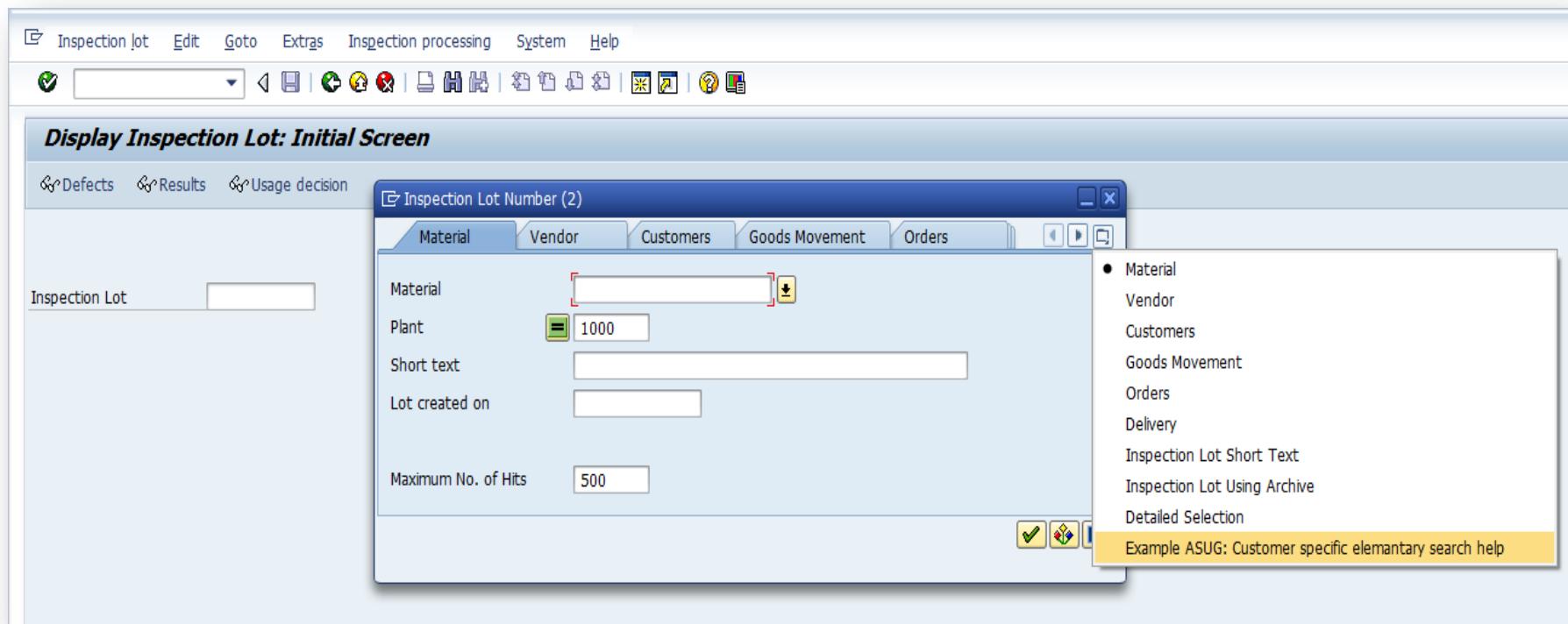
The screenshot shows two SAP Fiori screens side-by-side. On the left is the 'Create Notification: Customer Complaint' screen, which includes fields for Notification number (0000000001), Notif. Status (OSNO NOTI), Subject, Coding, Description, and Reference object (Material T-BQ100). On the right is the 'Field Selection: Influencing Field' dialog, which displays settings for the 'Coding' field: Screen group (Notifications - general screens), Influencing field (Notification type), and Contents (Q1). The 'Modified fields' table shows the 'Coding' and 'Coding Code' fields being modified, with the 'Req.' column containing radio buttons. The 'Req.' button for 'Coding' is checked, while the 'Req.' button for 'Coding Code' is unselected.

Modifiable field	Field name	Input	Req.	Disp.	Hide	HiLi
Coding	VIQMEL-QMGRP	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>
Coding Code	VIQMEL-QMCOD	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="checkbox"/>

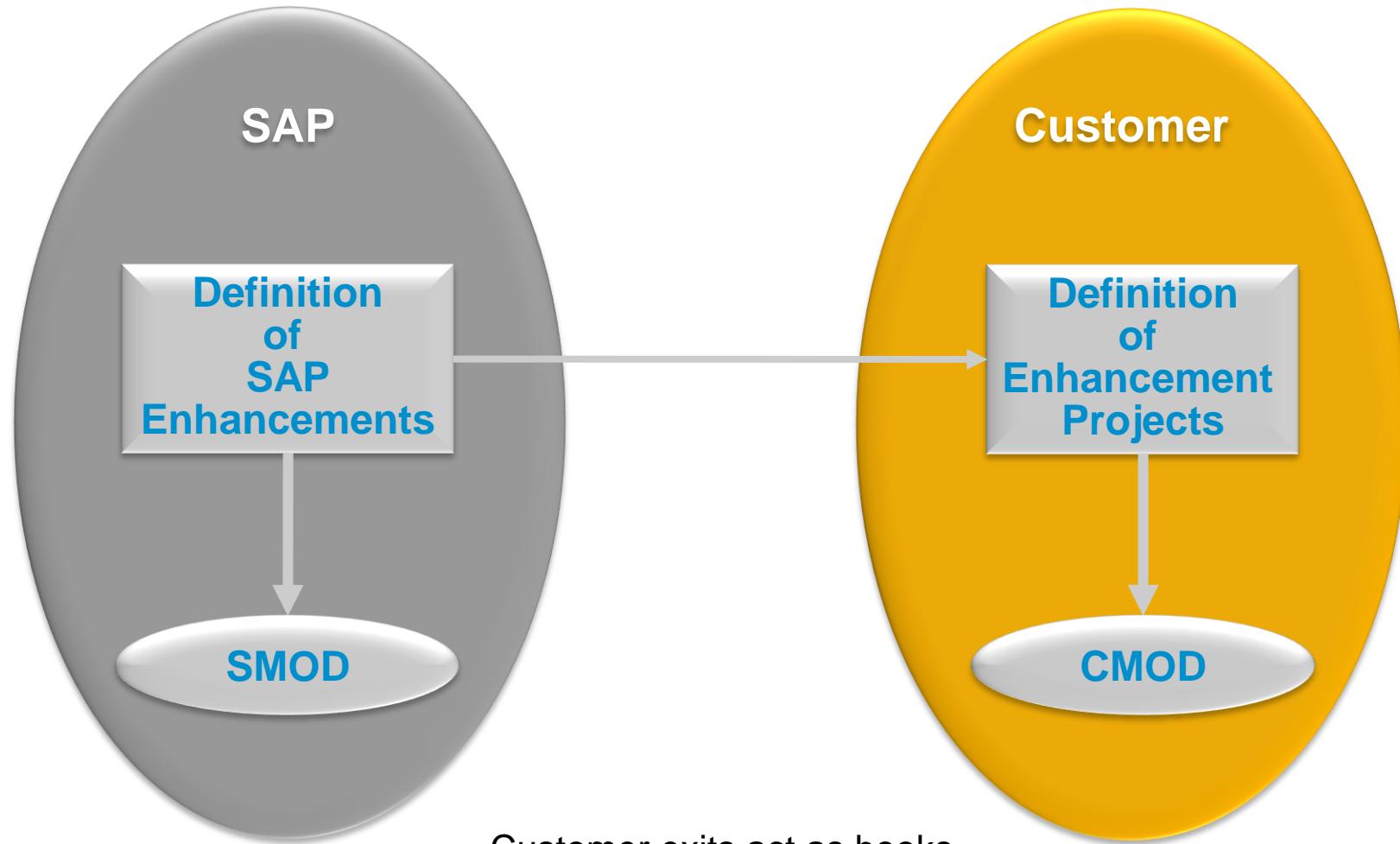
... via Customizing
or transaction SFAC

Customizing III – Search Help

Enhance search help via Customizing or transaction SE11

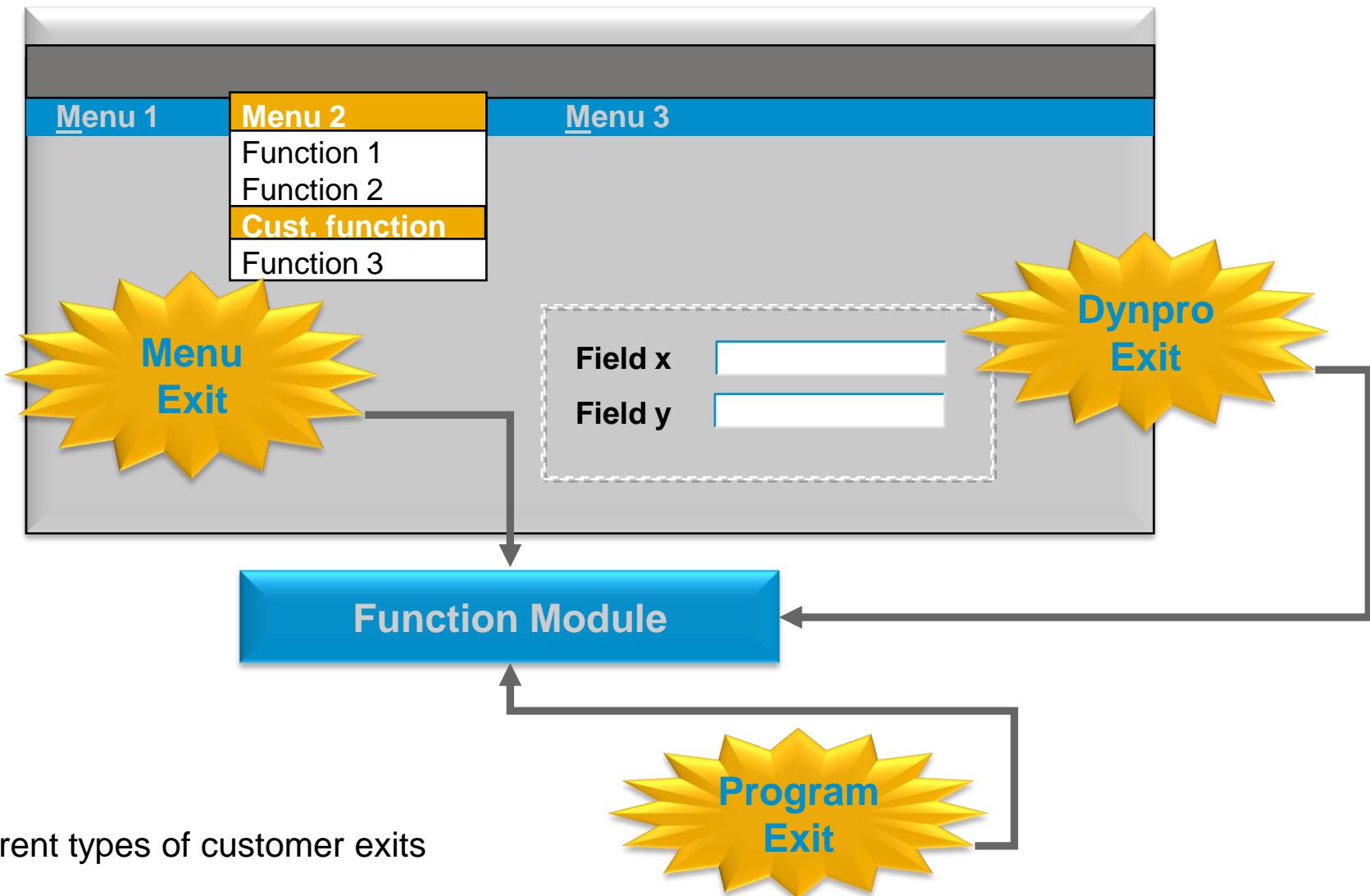


Customer Exits I



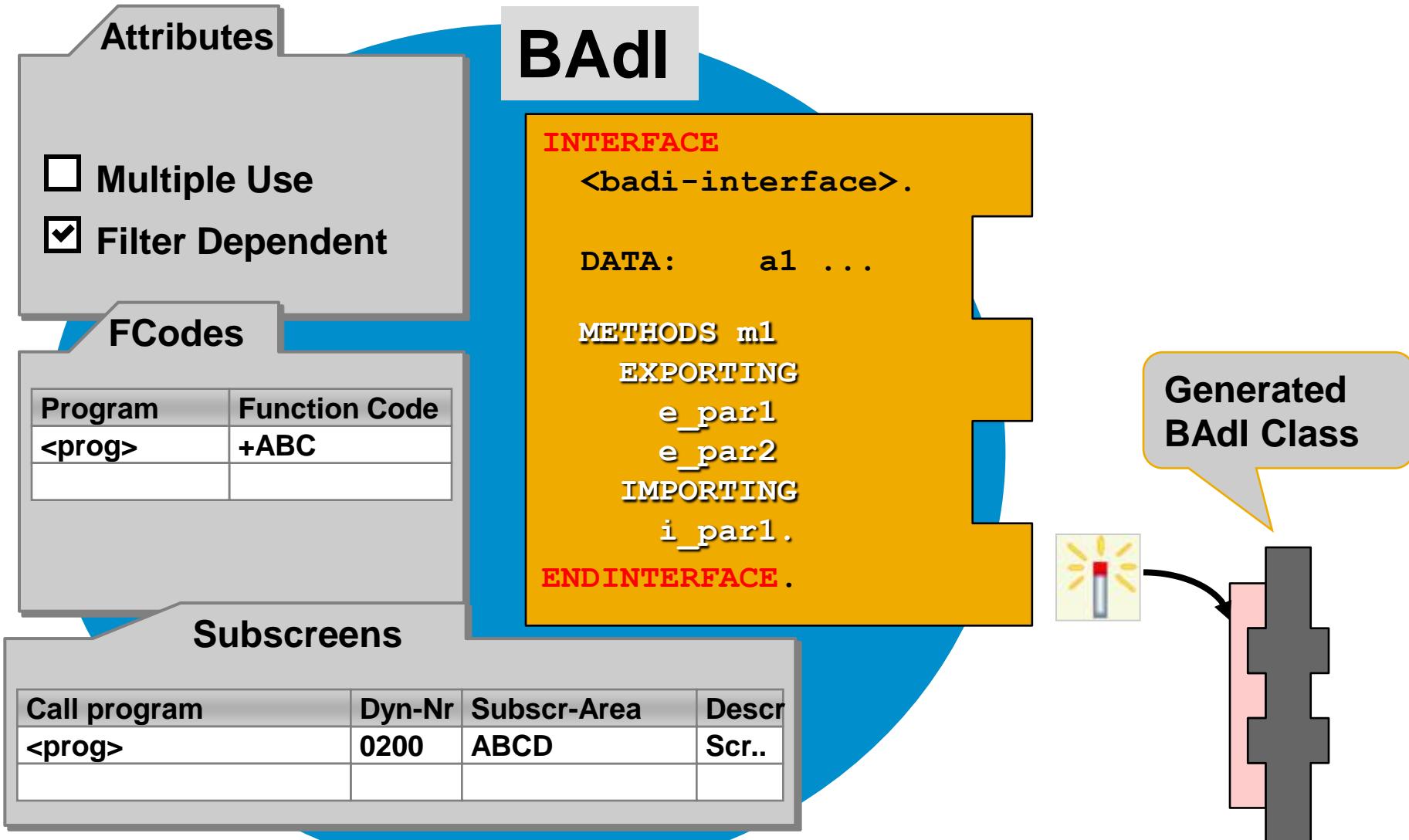
Customer exits act as hooks.
You can hang your own add-on functionality onto these hooks.

Customer Exits II



Different types of customer exits

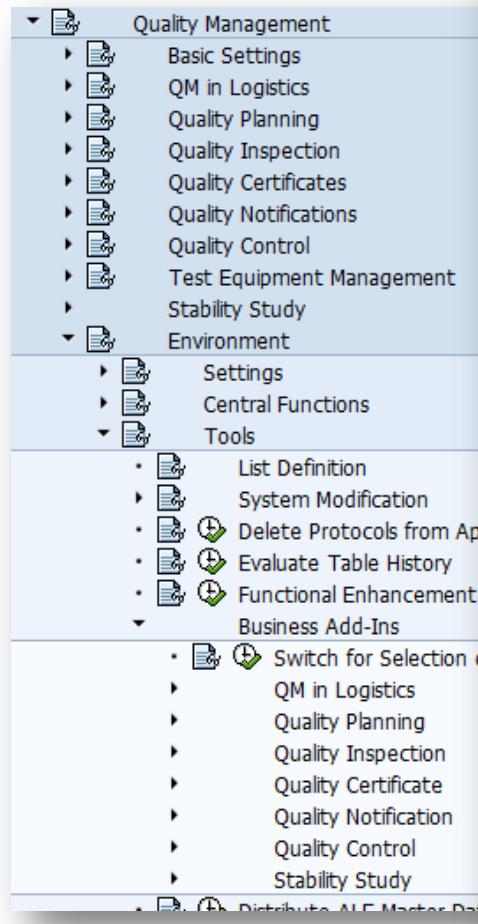
Business Add-Ins I



Business Add-Ins II

Available BAdIs in QM

Via Customizing
(transaction SPRO) ...



The top screenshot shows the SAP Display IMG (Information IMG) interface. The title bar says 'Display IMG'. The main area shows a tree structure under 'Structure' with the root node 'Overview of Business Add-Ins in Quality Management'. This node has several children, including 'Switch for Selection of Business Add-In Implementation' and various 'Business Add-In' nodes for QM in Logistics, Quality Planning, Quality Inspection, Quality Certificate, Quality Notification, Stability Study, and Quality Control. A callout box points to the 'Business Add-In for Output Control of QM Print Report' node. To the right of the tree, the text '... or transaction QCC5' is displayed.

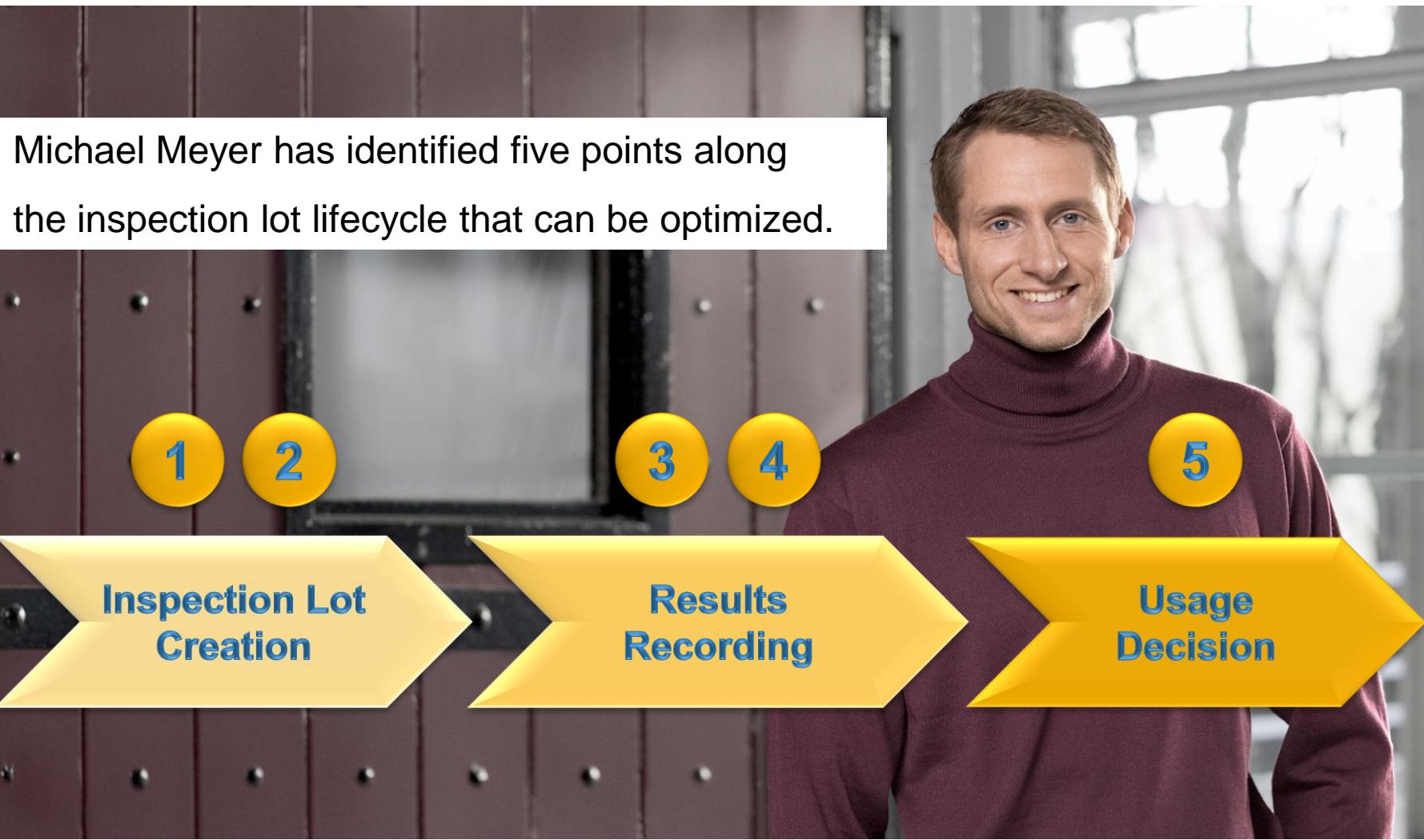
The bottom screenshot shows the SAP BAdI Builder interface. The title bar says 'BAdI Builder: Initial Screen for Definitions'. The main area has two radio buttons: 'Enhancement Spot' (selected) and 'BAdI Name'. Below the buttons are three buttons: 'Display', 'Change', and 'Create'. A callout box points to the 'Enhancement Spot' radio button. To the right of the buttons, the text '... or transaction SE18 / SE19' is displayed.



Tips and Tricks on Inspection Lots

Tips and Tricks on Inspection Lots

Examples for Optimizing the Inspection Process



Use Case – Quality Inspection I

1

Michael Meyer wants to have a more transparent inspection lot worklist. Goods receipts for scheduling agreements should be created with a customer-specific inspection type, regular goods receipt postings with standard inspection type 01.

2

For his customer-specific inspection type the characteristics shall be selected flexibly.

3

The inspectors need to have the possibility to record a date.

4

After an operation is completed an internal e-mail shall be send to the following work center.

5

Inventory postings before usage decision are not allowed (pre-release of quantities).

Inspection Type Determination I

Example

Material Master

The screenshot shows the SAP Material Master interface for material T-BQ100. The main window displays general material data like Plant (1000) and Base Unit of Measure (PC). A dialog box titled 'Plant 1000 Material T-BQ100 : Inspection Setup Data' is open, showing two inspection types: '01 Goods Receipt Inspection for Order' and 'Z01_99 Goods Receipt Insp. for Sched. Agreement'. The '01' row has checked boxes for PreferredInstTyp and Active.

Inspection Lot Worklist (e.g.QA32)

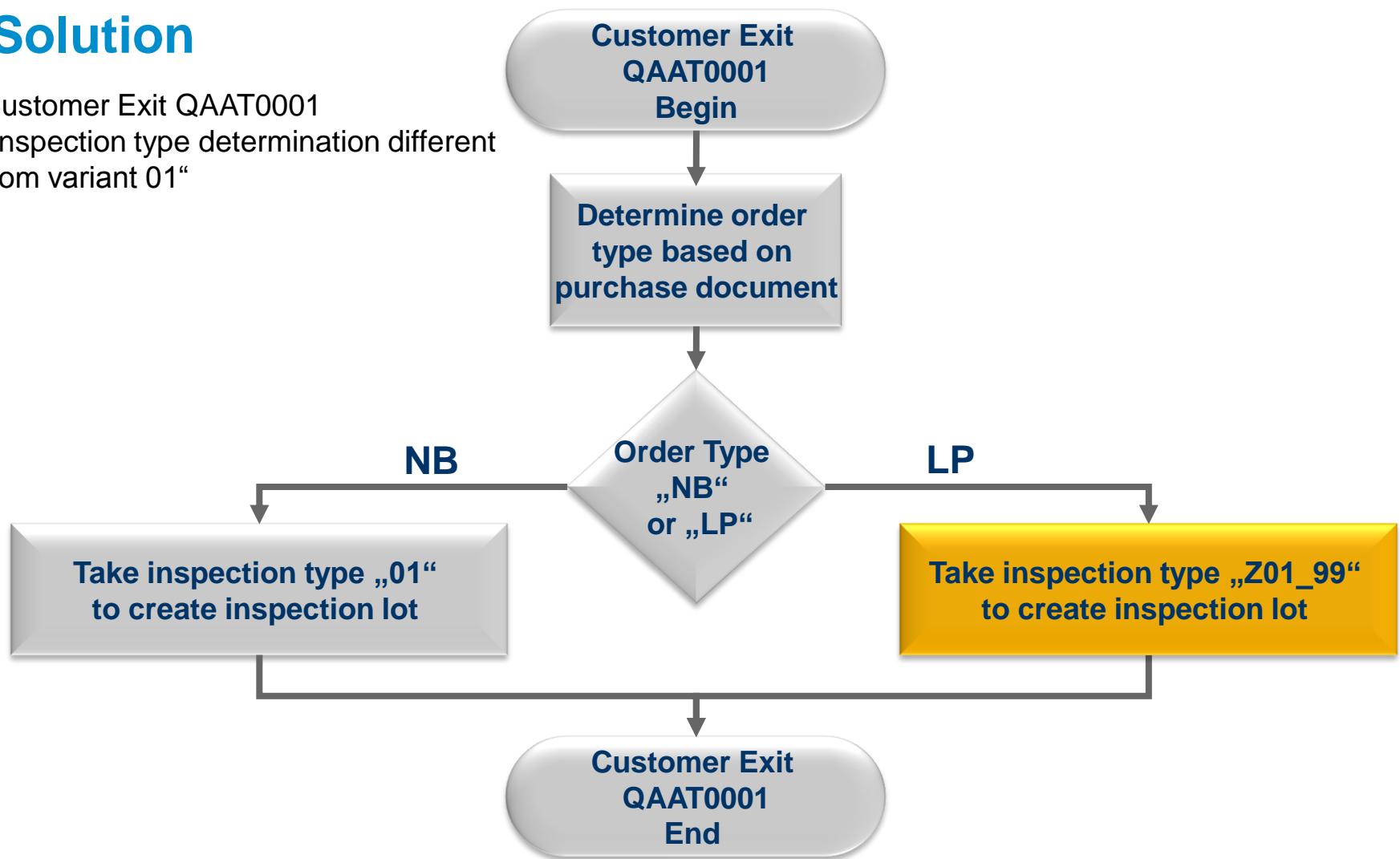
The screenshot shows the 'Change data for inspection lot: Worklist for Inspection Lots' screen. It lists inspection lots for material T-BQ100 with inspection types 01 and Z01_99 assigned. The 'InspTy...' column is highlighted with a yellow box.

Monit...	A	Origin	InspTy...	Inspection Lot	Material	Short text for inspection object	Purchasing Doc.	Purch. do...
● 000	01		01	3044	T-BQ100	Light Bulb 220/235V 60 watt frosted	4500017220	
● 000	01		Z01_99	3045	T-BQ100	Light Bulb 220/235V 60 watt frosted	5500000290	

Inspection Type Determination II

Solution

Customer Exit QAAT0001
„Inspection type determination different from variant 01“



2

Flexible Inspection Specification I

Example

Create Inspection Lot Manually: Sample

Inspection instruction Sample-drawing instruction

Plant 1000 Werk Hamburg
Inspection Lot 3047 Urgent!
Material T-BQ100 Light Bulb 220/235V 60 watt frosted

Insp.lot origin 01 Goods Receipt
Inspection Type Z01_99 Goods Receipt Insp.
System Status CRTD PASG

Origin **Insp. Specifications** Sample

Quantities
Insp. Lot Qty 100 PC
Actual lot qty 100
Sample size 0 PC
Smpl.

Dynamic modification
DynModRule Insp. stage 0

Flexible Selection and Changing of Specifications

InspCharact.	Op...	Operation short text	Ch...	SText insp.char	T.	Q.	R.	Target value	Lower spec. lmt	Upper Limit	D..	Unit ...	CodeGr...
0010	Insp. of Packaging	10	Packaging OK?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>						FILLING4
0010	Insp. of Packaging	20	Filling OK?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>						SURFACE4
0020	Insp. Glass Bulb	10	Surface Appearance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>						
0020	Insp. Glass Bulb	20	Diameter (Class Rec.)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	70,00	69,60		70,40	2 mm	
0030	Electrical Insp.	10	Power input	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	60,0	59,8		60,3	1 W	
0030	Electrical Insp.	20	Life duration	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>						

Buttons at the bottom: Save, Check, Copy All, Undo, Redo

Solution

BAdI definition QPAP_FLEX_PLAN „Flexible Specification Selection“

- Include function module QST05_FLEX_PLAN_SELECTION

Input Processing I

Example

The screenshot shows a SAP application window titled "Record Results: Characteristic Overview". The menu bar includes "Results", "Edit", "Goto", "Extras", "Settings", "Environment", "System", and "Help". A toolbar below the menu contains various icons for navigation and data entry.

Material: T-BQ100 (Light Bulb 220/235V 60 w...)

Insp. Lot: 3048 (Urgent!)

Oper./Act.: 0020 (Insp. Glass Bulb) Plnt: 1000

The interface has three tabs at the bottom: "General" (selected), "Summarized", and "Indicators".

A table displays inspection results:

A...	R...	S...	Short text for the i...	Specifications	Inspect	Inspected	Si...	Result	Original Value	Valuation
<input checked="" type="checkbox"/>	<input type="checkbox"/>	5	Circumference (input...)	100,00 .. 200,00 mm	1	1	<input type="button"/>	= 125,600	20	<input checked="" type="checkbox"/>
<input checked="" type="checkbox"/>	<input type="checkbox"/>	5	Date	No specifications	1	1	<input type="button"/>	= 20110501	01.05.2011	<input checked="" type="checkbox"/>

Solution

- BAdI definition QM_INPUT PROCEDURE
- Set up input procedure in Customizing
- Create/change master inspection characteristic

The screenshot shows the SAP Customizing interface for Quality Inspection. On the left, there is a navigation tree under 'Quality Inspection' with various sub-options like 'Inspection Lot Creation' and 'Results Recording'. The main window title is 'Input Processing - Determine Parameters'. A table lists parameters with their short texts and processes:

Entry	Short Text	Processes
100	Output = Input	100 Output = Input
200	Output According to Significant Digits	200 Output According to Signif
200	Date	300 Entry Date
299	Circumference	299

A red box highlights the row for 'Output According to Significant Digits'. Below the table, there are several icons for navigating between screens. The status bar at the bottom shows 'Input Processing' and 'Z99 Circumference'. A yellow box labeled 'Customizing' is placed over the top right corner of the main window.

Below the main window, a smaller secondary window titled 'Input Processing - Determine Parameters' is open. It shows a dropdown for 'Processes' set to 'Z99' and four parameter fields: 'Parameter 1' with value '3,14', 'Parameter 2' with value '2', 'Parameter 3' (empty), and 'Parameter 4' (empty).

Solution

The screenshot shows the SAP Master inspection characteristic configuration interface. The main title bar reads "Master Inspection Characteristic". The left side features a toolbar with various icons for file operations like save, print, and search. Below the toolbar, the menu bar includes "Master inspection characteristic", "Edit", "Goto", "Extras", "Environment", and "Basic data". A sub-menu "Change Master Insp. Characteristic Version: General Data" is currently selected. The main workspace displays several configuration tabs:

- Control indicators**: Shows fields for "Mstr insp.char.", "DATE", "Plant" (set to 1000), and "Version" (set to 1).
- Edit Characteristic Control Indicators**: A dialog box containing:
 - Insp. scope**: Radio buttons for "Scope not fixed" (unchecked), "Fixed scope" (checked), "Smaller scope" (unchecked), and "Larger scope" (unchecked).
 - Docu. confirmation**: Radio buttons for "No documentation" (checked), "Docu. if rejected" (unchecked), and "Docu. required" (unchecked).
 - Miscellaneous**: Checkboxes for "Long-term inspection" (unchecked), "Scrap share/ q-score" (unchecked), "RR change docs" (unchecked), and "Test-equi assignment" (unchecked). A checked checkbox "Record measured vals" is also present.
 - Print**: Radio buttons for "Print" (checked), "Do not print" (unchecked), and "Do not print at skip" (unchecked).
 - Formula**: Radio buttons for "No Formula" (unchecked), "Calc charac." (unchecked), and "Input Processing" (checked).
- Quantitative characteristic**: A dialog box showing "Processg, Summarized recording, Required char., Fixed scope". It contains fields for "Decimal places" (with a dropdown menu highlighted by a red box), "Msmt unit" (dropdown menu), "Target value" (input field), "UpPlaus. limit" (input field), and "LoPlaus. limit" (input field).
- Quantitative Data**: A dialog box showing "Input Processing" set to "Z00 Date" (highlighted by a yellow box). It also contains "Msmt unit" (dropdown menu), "Target value" (input field), "UpPlaus. limit" (input field), and "LoPlaus. limit" (input field).

Follow-Up Action for Operation Completion I

Example

The screenshot displays several SAP windows illustrating the process of operation completion:

- Main Window:** Shows the "Record Results: Characteristic Overview" screen. It includes fields for Material (T-BQ100), Insp. Lot (3049), Oper./Act. (0020), and Plnt (1000). Buttons for Defects..., Test equipment, Inspection Method, and Control are visible. A message "Urgent!" is displayed next to the lot number.
- Operation Completion Window:** A dialog box titled "Operation Completion" with tabs for "Valuation for Operation" and "Indicators". The valuation is set to "Not valued".
- Usage Decision Window:** A tree view showing a decision node for "Z01-00 Operation Completion" with two entries: "A Accept" (green checkmark) and "R Rejected" (red X).
- Express Information Window:** A message stating "Express document "Operation Completion 000000003049 / Operation 0010" received f..." with buttons for Choose and Inbox.
- Display Document Window:** A document titled "Operation Completion 000000003049 / Operation 0010" showing details like Created by Ingo PANCHYRZ, Inspection lot 000000003049, and Material T-BQ100.

Follow-Up Action for Operation Completion II

Solution

- Customizing operation completion
- Program follow-up action (reference function module QFOA_COPY_REFERENCE_FORM)
- Set up follow-up action in customizing
- Assign follow-up action to relevant selected set code

Quality Inspection

- Inspection Lot Creation
- Inspection Lot Completion
 - Maintain Catalogs for Usage Decisions
 - Define Quality Score Procedure
 - Plan Automatic Usage Decision
 - Define Follow-Up Actions**

Cntr	Function Module	AfrPst	SyncUpdt	BTran	Short text for function
1	Z_ZQM_FOA_SEND_00	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

Same procedure for usage decision follow-up actions

Results Recording

- Define Recording Configuration
- Define Origins of Results Data
- Supplement Attributes of Inspection Characteristic Results
- Define Parameters for Calculated Characteristics
- Define Parameters for Input Processing
- Enter Identifier for Units To Be Inspected
- Define Filter for Inspection Characteristics
- Define Number Ranges for Characteristic Confirmation
- Record Results on the Internet**
- Make Settings for Operation Completion

Code gr...	Code	Short text for code	L...	Valuation Code	Q...	Posting proposal UD	Loc...	S...	Follow...	Show...
01	A	Accept		A Accepted (O	100		D...	<input type="checkbox"/>	ZQM_00	Follow...
01	R	Rejected		R Rejected (...	1		D...	<input type="checkbox"/>		Show...

Inventory Postings Before Usage Decision I

Example

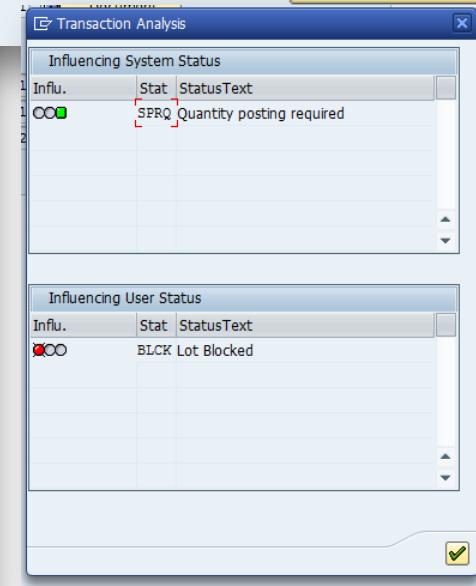
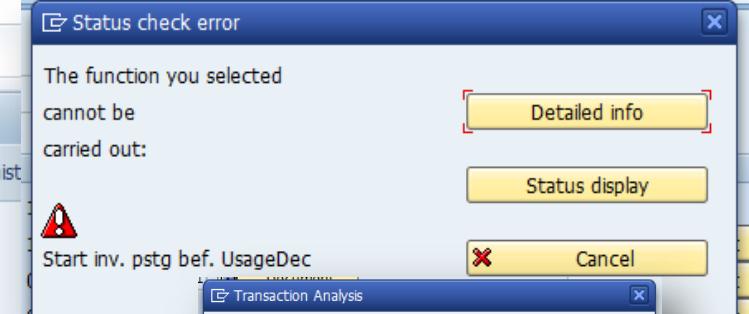
Screenshot of SAP ERP interface showing the "Record Usage Decision: Stock" screen and associated error dialog boxes.

Main Screen (Record Usage Decision: Stock):

- Menu bar: Usage decision, Edit, Goto, Extras, Environment, Inspection processing, System, Help.
- Toolbar icons: Checkmark, Back, Forward, Save, Print, etc.
- Title: Record Usage Decision: Stock
- Buttons: Stock posting log, Material documents.., Stock, Inspection Lot, Q-Info record, Status hist.
- Form fields:
 - Inspection Lot: 3049, Urgent!
 - Material: T-BQ100, Description: Light Bulb 220/235V 60 watt frosted.
 - System Status: REL CALC SPRQ QLCH FLEX
 - Insp. End Date: 08.03.2011, Note: You have not completed all characteristics.
 - UserStatus: BLCK (highlighted with a yellow box)
- Buttons: Defects, Characteristics, Inspection lot stock.
- Table: Quantity posted

Total	0
To unrestricted use	0
To scrap	0
To sample usage	0
To blocked stock	0
To new material	0
To reserves	0
Return Delivery	0
- Table: To be posted

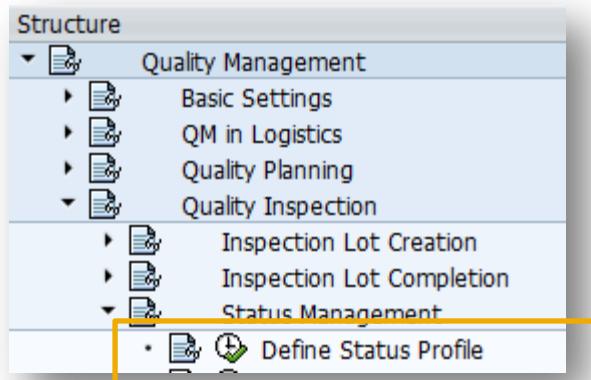
5
10
- Buttons: StLoc, Document, Material, Document, Document, Document, Document, Document, Document.
- Checkboxes: Insp. stock, Doc... (disabled).



Inventory Postings Before Usage Decision II

Solution

- Create a status profile with user status in Customizing



Change Status Profile: User Status

User Status								
Stat...	Status	Short Text	Lon...	Init. ...	Lowes...	Highest...	Posi...	Prio...
10	BLCK	Lot Blocked	<input type="checkbox"/>	<input checked="" type="checkbox"/>	10	20	1	1
20	REL	Lot Released	<input type="checkbox"/>	<input type="checkbox"/>	10	20	1	1

- Specify transaction control

Change Status Profile: Transaction Control

Status Profile	ZQM_99																						
Status	BLCK Lot Blocked																						
Transaction Control																							
<table border="1"> <thead> <tr> <th colspan="5">Influence</th> <th colspan="2">Next action</th> </tr> <tr> <th>Business Transaction</th> <th>No infl...</th> <th>Allowed</th> <th>Warning</th> <th>Forbidd.</th> <th>No act...</th> <th>Set</th> <th>Delete</th> </tr> </thead> <tbody> <tr> <td>Start inv. pstg bef. UsageDec</td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> <td><input checked="" type="radio"/></td> <td><input type="radio"/></td> <td><input type="radio"/></td> </tr> </tbody> </table>		Influence					Next action		Business Transaction	No infl...	Allowed	Warning	Forbidd.	No act...	Set	Delete	Start inv. pstg bef. UsageDec	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>
Influence					Next action																		
Business Transaction	No infl...	Allowed	Warning	Forbidd.	No act...	Set	Delete																
Start inv. pstg bef. UsageDec	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>																	

Change View "Inspection types": Details

New Entries	
Inspection Type	201_99 Goods Receipt Insp. for Sched. Agreement
Inspection lot processing	
Status profile	ZQM_99
Order type	
Physical-sample type	01 Goods receip...
UD selected set	201-99
<input checked="" type="checkbox"/> Selected Set in Same Plant	
Print control	
<input type="checkbox"/> Print sample drawing instr. immed. <input type="checkbox"/> Print insp. instruction immediately <input type="checkbox"/> Display detailed notifications	



Tips and Tricks on Quality Notifications

Tips and Tricks on Quality Notifications

Examples for Optimizing the Notification Process



Peggy Parker has identified four points along the quality notification lifecycle that can be optimized.

1

2

3

4

Quality
Notification
Creation

Quality
Notification
Processing

Quality
Notification
Completion

Use Case – Quality Notification I

- 1 Peggy Parker wants to add the additional field “Plant of Complaint“ to the quality notification. Notifications shall be selectable by the new field. In addition the new field shall be displayed in the notification worklist.
- 2 Peggy wants to enhance the notifications action box by navigating into the stock overview.
- 3 The actions in the notification action box shall be restricted depending on the user authorization.
- 4 When closing a notification with recorded defects it shall be checked if causes have been created.

Additional Fields in the Notification I

Example

The screenshot displays the SAP QM10 interface across four windows:

- Create Notification: Complaint ag. vendor**: Shows fields like Notification (\$0000000001), Notif. Status (OSNO NOTE), and Description. A dropdown for Reference objects shows "Plant for mat." and "Batch". A sub-dialog "Possible Entries for Plants" lists entries starting with "0001".
- QM10**: A blue box highlights the "Plant of Complaint" field in the "User Data" section.
- Change list of quality notifications: Selection of Notifications**: Shows a tree view under "Notifications" with nodes like "Priority type", "Priority", "Catalog profile", "Notification origin", "QM Order", and "Plant of Complaint". A blue box highlights the "QM Order" node.
- Change list of quality notifications: List of Notifications**: Displays a table of notifications. One row is highlighted with a blue box, showing details: Plant Comp (3010), Req. start (09.03.2011), Req. End, Notification Status (OSNO NOTE), Material (T-BQ100), and Priority text.

Additional Fields in the Notification II

Solution

- Append view for table QMEL (Quality Notifications) & structure RQMQMEL1 -> make field „available“
- Customer Exit QQMA0001 “QM/PM/SM: User Subscreen for Notification Header”
 - Create subscreen in function group XQQM
- Customizing of notification type (assign subscreen to tab page)
- Selection view of logical database QNQ (dynamic selections)
- See also OSS-Note 370191 - Notification worklist: User-defined fields
- Alternative BAdI BADI_EAM_SINGLELEVEL_LIST – “Extend Single-Level Lists”
- Almost same procedure for inspection lots, usage of customer exit QPL1001 “QM: Inspection lot creation - editing work area on creation”. Table QALS & structure QALS_D01, logical database = PGQ

Action Box I

Example

The screenshot shows the SAP interface for creating a notification. The title bar includes 'Notification', 'Edit', 'Goto', 'Extras', 'Environment', 'Inspection processing', 'System', and 'Help'. The toolbar contains various icons for navigation and document management.

The main area displays the 'Create Notification: Complaint ag. vendor' screen. It includes fields for 'Notification' (number 000000000001, status 99), 'Status' (OSNO NOTE), and 'Description'. Below these are tabs for 'Notification', 'Additional Data 1', 'Additional Data 2', 'Items', 'Tasks', and 'Activities'. The 'Additional Data 1' tab is selected.

The 'Reference object' section contains fields for 'Material' (I-bq100), 'Revision Level' (empty), 'Plant for mat.' (1000), 'Serial number' (empty), 'Batch' (empty), 'Device data' (Prod.dat), 'Vendor Mat. No.' (empty), 'Vendor Batch' (empty), and 'MPN Material' (empty).

A vertical 'Action box' is displayed on the right side of the screen, listing three actions:

- Check Stock
- Post to Quality Insp. Stock
- Make usage Decision (marked with a checkmark)

Action Box II

Example

Screenshot of SAP ERP interface showing the creation of a notification for a vendor complaint.

Stock Overview: Basic List

Create Notification: Complaint ag. vendor

Action box

- Check Stock
- Post to Quality Insp. Stock** (selected)
- Make usage Decision

Notification: 00000000001 | 99 Complaint ag. vend...

Status: OSNO NOTE

Description:

Reference object

Material	T-BQ100	Light Bulb 220/235V 60 watt frosted
Revision Level		Plant for mat. 1000 Hamburg
Serial number		
Device data		
Vendor Mat. No.		
MPN Material		

Create Inspection Lot

Vendor			
Material	T-BQ100 Light Bulb 220/235V 60 watt fro...		
Document Date	09.03.2011	Posting Date	09.03.2011
Additional data			
Complaint quantity	1	PC	
Movement Type	322		
Plant for material	1000		
Stor.Loc	0001		
Print parameters			
<input checked="" type="checkbox"/> Document printout			
<input type="checkbox"/> PrintDialog			
PDF	QM_LABEL		

Stock Overview

Client/Company Code/Plant/Storage Location/Batch/Special Stock

Full	100,000
1000 IDES AG	100,000
1000 Hamburg	100,000
0001 Materiallager	100,000

Action Box III

Example II

In addition the usage decision shall directly be made using a separate action.

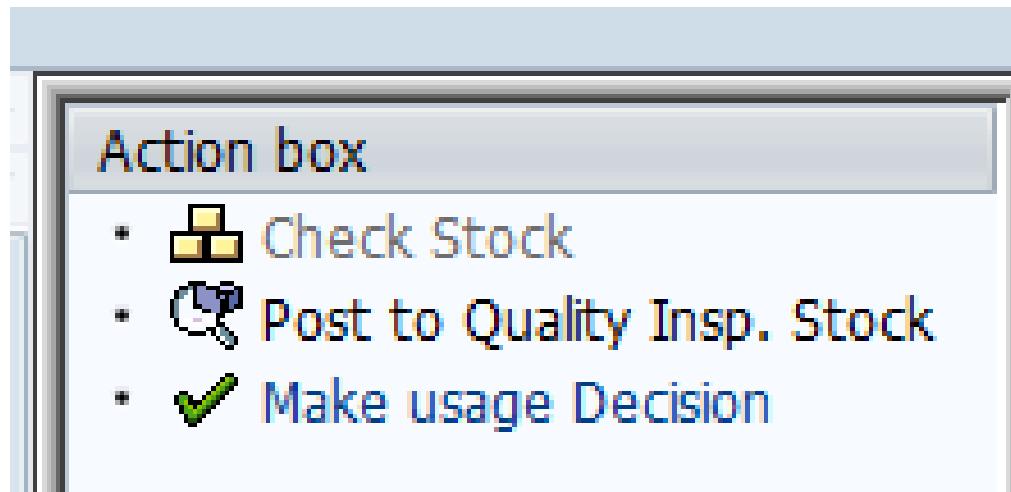
The screenshot shows the SAP GUI interface for 'Change Notification: Complaint ag. vendor'. On the left, there's a form with fields for 'Notification' (365), 'Status' (OSNO NOTE ATCO), and 'Description'. Below these are sections for 'Reference object' (Material T-BQ100, Revision Level, Serial number, Device data, Vendor Mat. No., MPN Material) and 'Reference Documents' (Reference notif, Purchasing Doc., Material Doc.). On the right, an 'Action box' is open, containing three items: 'Check Stock', 'Post to Quality Insp. Stock', and 'Make usage Decision'. A 'Usage Decision' dialog box is overlaid on the screen, asking 'Do you want to set the UD "A" for your inspection lot?' with options 'Yes', 'No', and 'Cancel'.

Solution

- Copy the relevant function modules into the customer name space and program function.
- Optional: Define follow-up actions for tasks and assign them to the task code.
- Add activities to the notification action box.

Reference Function Modules	Description
QM10_COPY_REFERENCE_FORM_ACTI	Copy Model for Activities documented as Action
QM10_COPY_REFERENCE_FORM_TASK	Copy Model for Activities documented as Task
QM10_COPY_REFERENCE_FORM_NODOC	Copy Model for Activities no documentation
QM10_COPY_REFERENCE_FORM	Copy Model for follow-up actions

Example



Solution

Business Add-In “NOTIF_ACTIONBOX” to hide, activate, or deactivate an activity in the action box

Checks on Save or Status Change I

Example

The screenshot shows a SAP Fiori application window titled "Change Notification: Complaint ag. vendor". The top navigation bar includes links for Notification, Edit, Goto, Extras, Environment, Inspection processing, System, and Help. A blue box labeled "QM02" is positioned in the top right corner. The main content area displays a form with fields for Notification (366), Status (OSNO NOTE), and Description. An "Information" dialog box is overlaid, containing a blue info icon and the message "Please enter cause for your defect." with a red border around the text. Below the dialog are two buttons: a green checkmark and a yellow question mark. At the bottom of the screen is a navigation bar with tabs: Item Overview, Causes, Item Tasks, Item Activities, and Assigned Objects. A table below the navigation bar shows data for one row:

No.	Code gr...	De...	Defect loc.	Code gr...	De...	Defect type	Text	It...	Assembly
1	QM	1	Top	QM-E	1	Material Defects			

Checks on Save or Status Change II

Solution

Either

Customer Exit QQMA0014 “QM/PM/SM: Checks before saving a notification”

or

Customer Exit QQMA0005 “QM: Check Validity of Status Change”

6 Key Points to Take Home

About Tips and Tricks on Quality Management



1

Various enhancement options available

Customizing, Customer Exits, BAdIs, Follow-up actions etc.

2

Reference function modules

Use reference function modules as copy models.

3

Example coding available

Check out example coding provided by SAP.

4

Optimized end-to-end solution for QM

Lowering Total Cost of Ownership (TCO).

5

Processes compliant to regulations

Data accuracy and security.

6

Enhance customer satisfaction

Fulfill customer requirements.

Interesting Links

Forum: ERP Operations - Quality Management (QM)



<http://forums.sdn.sap.com/forum.jspa?forumID=405&start=0>

OSS Notes on QM



SAP Help Portal

<http://help.sap.com/>
→ SAP Notes
(requires login credentials)

“Additional Search Criteria”
Priority

- Recommendations/additional info

Category

- Consulting
- FAQ

General Brochures on QM



SAP Service Marketplace

<https://service.sap.com/qm>
→ Media Library
(requires login credentials)

Questions?



Session Code: 2713





Thank You!

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