



SAP Quality Management in SAP S/4HANA Cloud and SAP S/4HANA

Product Management SAP QM, SAP SE
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Agenda

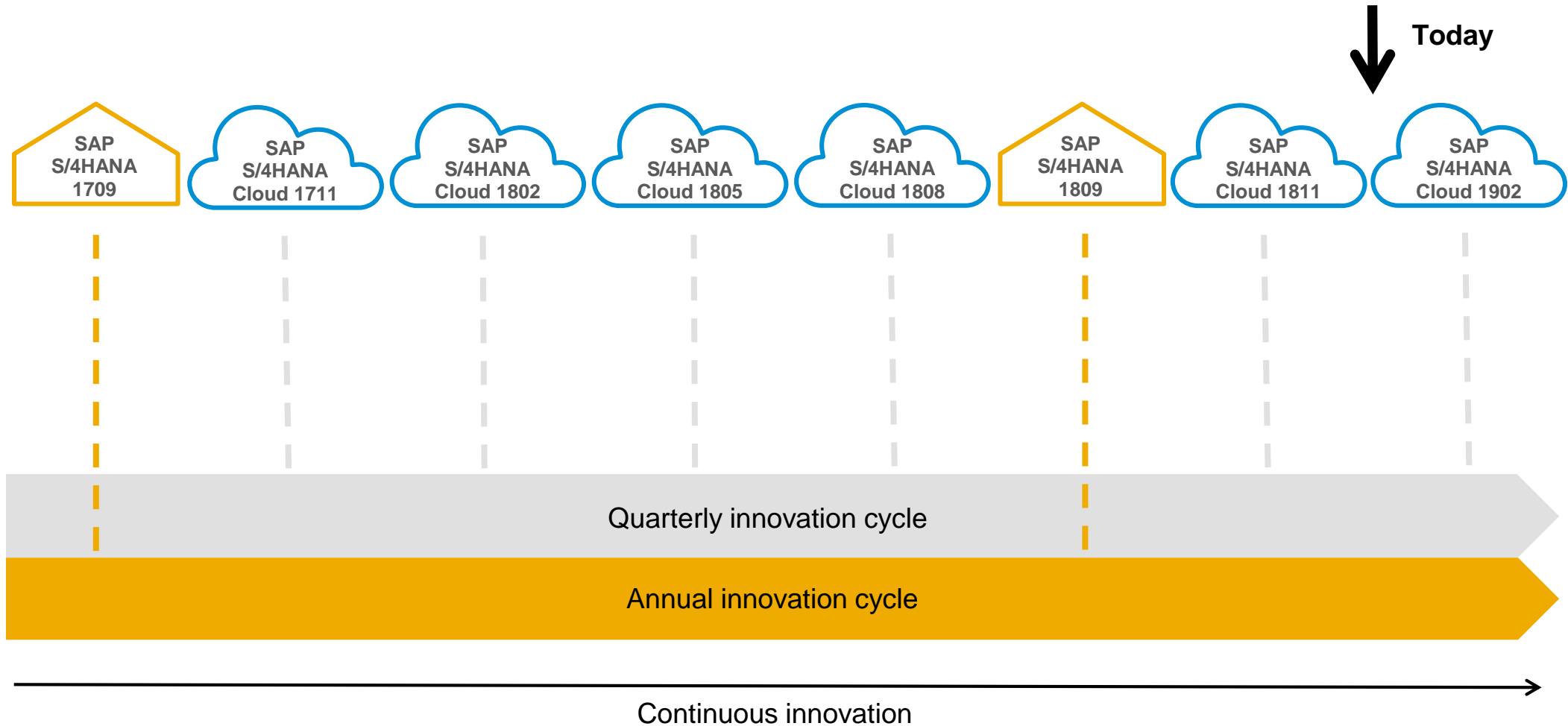
SAP Quality Management in SAP S/4HANA Cloud and SAP S/4HANA

- Overview
- Current Status
- Miscellaneous

Overview

SAP S/4HANA

Cloud and On-Premise Delivery Schedule^{*)}



^{*)} This is the current state of planning and may be changed by SAP at any time

Quality Management in SAP S/4HANA

Brief Overview



- Closed loop inspection planning incl. FMEA (Failure Mode and Effects Analysis) and control plan
- Stability study
- Master data and change management
- Supplier management

- Inspection plans e.g. for goods receipt
- Inspection planning within routings and master recipes for production
- Planning of procurement control
- Planning of delivery control
- Dynamic modification of inspection scope

- Automatic creation of inspection lots
- Results and defect recording
- Usage decision and release of stock
- Statistical process control (SPC)
- Sample management
- APIs for integration of complex measuring systems

- Plan and perform calibration inspections for test equipment

Test Equipment Management



Product Development



Quality Planning



Quality Inspection

Quality Management in SAP S/4HANA



Complaint Management

- Manage supplier, customer, and internal complaints
- Capture quality costs
- Record defects

Audit Management



- Plan, perform, and monitor audits such as supplier, system, product, and process audits

Document Management



- Manage quality relevant documents by using SAP S/4HANA Document Management (DMS)

Analytics



- Evaluate data from quality inspections, quality notifications, and audits

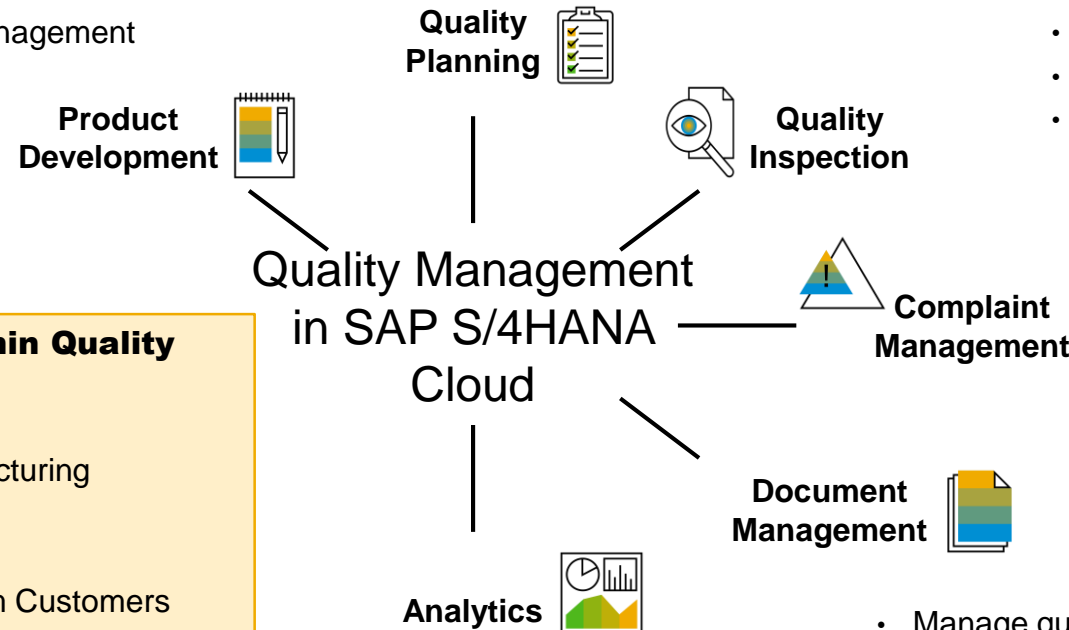


Quality Management in SAP S/4HANA Cloud

Brief Overview

- Inspection plans e.g. for goods receipt
- Inspection planning within routings and master recipes for production
- Planning of procurement control
- Planning of delivery control
- Dynamic modification of inspection scope

- Master data management



- Automatic creation of inspection lots
- Results and defect recording
- Usage decision and releases of stock
- Statistical process control (SPC)

- Manage supplier, customer, and internal complaints
- Record defects
- APIs for recording defects

Preconfigured core processes within Quality Management

- Quality Management in Procurement
- Quality Management in Discrete Manufacturing
- Quality Management in Stock Handling
- Quality Management in Sales
- Quality Management for Complaints from Customers
- Quality Management for Complaints Against Suppliers
- Quality Management of Internal Problems
- Nonconformance Management
- SAP Fiori Analytical Apps for Quality Management

- Evaluate data from quality inspections and defects

- Manage quality relevant documents by using SAP S/4HANA Document Management (DMS) for different objects in QM

Scope differs from SAP S/4HANA to SAP S/4HANA Cloud. See Feature Scope Description for details.

Fiori Apps in QM at a Glance^{*)}

Fiori App	Type	SAP S/4HANA		
		1709	1809	Cloud 1811
Record Inspection Results	Fiori App	X	X	X
Inspection Lot	Object Page	X	X	X
Inspection Operation	Object Page	X	X	X
Inspection Method	Object Page	X	X	X
Master Inspection Characteristic	Object Page	X	X	X
Sample	Object Page	X	X	-
Quality Info Record for Procurement	Object Page	X	X	X
Sampling Procedure	Object Page	X	X	X
Inspection Point	Object Page	X	X	X
Manage Inspection Lots	Fiori App	X	X	X
Manage Usage Decision	Fiori App	X	X	X
Quality Engineer Overview	Overview Page	X	X	X
Quality Technician Overview	Overview Page	X	X	X
Results History	Analytics	X	X	X
Manage Defects	Analytics	-	-	X
Manage Quality Level	Fiori App	-	X	X
Analyze Quality Levels	Analytics	-	X	X
Record Defect	Fiori App	-	X	X
Process Defects	Fiori App	-	X	X
Quick Create Defect (Co-Pilot)	Fiori App	-	-	X

Fiori App	Type	SAP S/4HANA		
		1709	1809	Cloud 1811
Record Results for Inspection Points	Fiori App	-	X	X
Manage Control Charts	Analytics	-	X	X
Process Quality Tasks	Fiori App	-	X	X
Manage Quality Info Records in Procurement	Fiori App	-	-	X
Inspection Lot Analytics	Analytics	-	X	X
Inspection Lot Detailed Analytics	Analytics	-	X	X
Characteristic Analytics	Analytics	-	X	X
Characteristic Detailed Analytics	Analytics	-	X	X
Manage Incoming Certificates	Fiori App	-	-	X
Manage Quality Tasks	Analytics	-	X	X
Record Inspection Results in Table Form	Fiori App	-	-	X
Nonconformance Analytics	Analytics	-	-	X
Nonconformance Detailed Analytics	Analytics	-	-	X

Cards for Overview Pages in QM at a Glance^{*)}

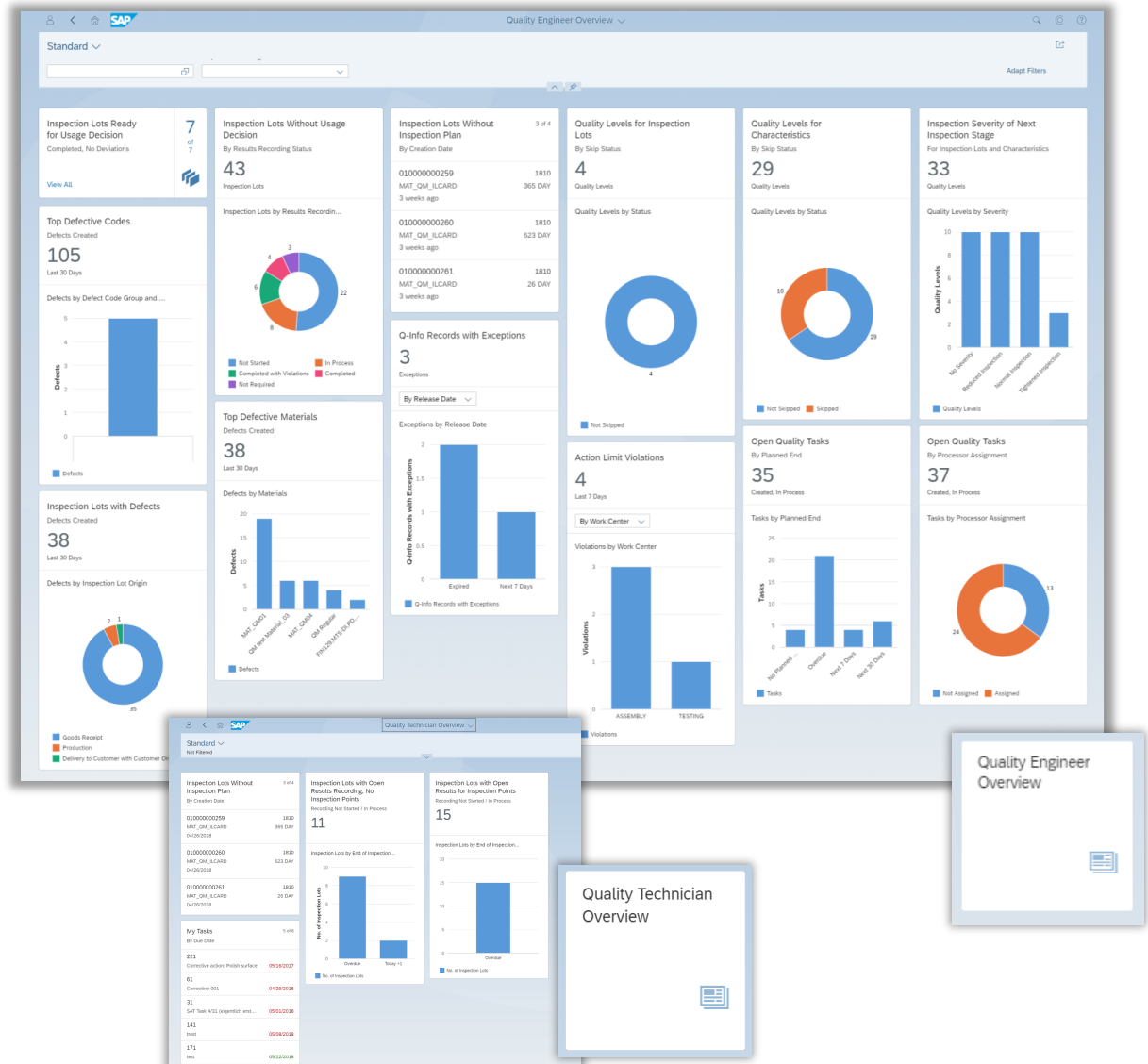
Cards for the Quality Engineer



	SAP S/4HANA 1709	SAP S/4HANA 1809	SAP S/4HANA Cloud 1811
Inspection Lots without Inspection Plan	X	X	X
Inspection Lots without Usage Decision	X	X	X
Inspection Lots ready for Usage Decision	X	X	X
Top Defective Codes	-	-	X
Top Defective Materials	-	-	X
Inspection Lots with Defects	-	-	X
Inspection Severity for next Inspection Stage	-	X	X
Quality Levels for Inspection Lots	-	X	X
Quality Levels for Characteristics	-	X	X
Violated Inspection Limits	-	X	X
Q-Info Records with Exceptions	-	X	X
Open Quality Tasks By Planned End	-	X	X
Open Quality Tasks By Processor Assignment	-	X	X

Cards for the Quality Technician

	SAP S/4HANA 1709	SAP S/4HANA 1809	SAP S/4HANA Cloud 1811
Inspection Lots without Inspection Plan	X	X	X
Inspection Lots with Open Results Recording	X	X	X
Inspection Lots with Open Results for Insp. Points	-	X	X
My Tasks	-	X	X



SAP S/4HANA

Fiori Launchpad for Different QM Roles



The screenshot displays the SAP Fiori Launchpad interface for Quality Management (QM) roles. It features a top navigation bar with tabs for various QM functions. The main workspace is divided into several sections, each containing transaction tiles. A search menu is open, listing numerous QM transactions. A callout box highlights the supported roles for these transactions.

Supported Roles:

- Quality Planner
- Quality Technician
- Quality Engineer
- Quality Manager
- Calibration Technician
- Quality Auditor

Transaction Tiles:

- Record Usage Decision
- Change Usage Decision
- Display Usage Decision
- Record Collective Usage Decisions Accepted Inspection...
- QM Data for Material
- Change QM Inspection Setup Collective Processing
- QM in Procurement
- Display Quality Info Records Procurement
- Create Rec Proc
- QM - Defects Recording
- Create Defects For Inspection Lot
- Change Defects For Inspection Lot
- Display Defects For Inspection Lot
- Create Defects For Characteristic
- Create Defects For Operation
- Create For
- QM - Inspection Lots
- Create Inspection Lot
- Change Inspection Lot
- Display Inspection Lot
- Change Recurring Inspection Batch Deadlines
- Create Inspection Lot For Sample

Search Menu:

- My Home
- QM - Sample Management
- Gruppenname eingeben
- QM - Inspection Lot Monitoring
- QM - Defects Recording
- QM - Inspection Lots
- QM - Notification Tasks
- QM - Results Recording
- QM - Calibrations
- QM - Audits
- QM - Analytics
- QM - Automatic Usage Decision
- QM - Basic Data Display
- QM - Calibrations Display
- QM - Certificate Planning Display
- QM - Certificates Incoming
- QM - Certificates Outgoing Display
- QM - FMEA
- QM - Digital Signature
- QM - FMEA Display
- QM - Inspection Lot Corrections
- QM - Inspection Planning Display
- QM - Material Specification Display
- QM - Notifications
- QM - Quality Control
- QM - Quality Costs
- QM - Sample Management Di
- QM - Stability Studies
- QM - Statistical Process Cont
- QM - Usage Decisions
- QM Data for Material
- QM in Procurement
- QM in Sales
- QM - Audit Monitoring
- QM - Inspection Lots Display
- QM - Notifications Display
- QM - Quality Control Display
- QM - Quality Costs Display
- QM - Results Recording Display
- QM - Basic Data
- QM - Certificate Planning
- QM - Control Plan
- QM - EHS Specification
- QM - FMEA
- QM - Inspection Methods
- QM - Inspection Planning
- QM - Master Inspection Charateristics
- QM - Material Specification
- QM in Procurement Display
- QM in Sales Display
- QM - Certificates Incoming Display
- QM - Certificates Outgoing
- QM - Inspection Methods Display
- QM - Master Inspection Characteristics Display
- QM - Stability Studies Display

Typical transactions/apps are combined in business catalogs and assigned to different roles

SAP Fiori Theme for Classic Applications

One Visual Design Theme for All SAP Applications



Characteristics:

- Text toolbar instead of icons
- Right-aligned labels
- New icons
- Merged SAP Fiori header
- Tabs with SAP Fiori visualization
- New footer with processing and closing actions

Existing QM transactions with new Fiori theme (for example, QE51N) that are called from the Fiori launchpad

Current Status

Quality Management in SAP S/4HANA Cloud and SAP S/4HANA

Current Status





Monitor Quality Level

Cards on the Overview Page

Worklist with actions:

- Tighten
- Reset

Manage Quality Levels

Standard

Inspection Lots (27) Characteristics (24)

Material	Plant	Supplier	Customer	Inspection Type	Next Stage	Dynamic Modification Rule	Skip	History
<input checked="" type="checkbox"/> FG129 FIN129,MTS-DI,PD,QM	1010 Plant 1 DE Draft			04 (Goods receipt inspection from production)	10 (Initial Inspection)	QM4 (FXU_Testing)	No	[Progress Bar]
<input checked="" type="checkbox"/> MAT_QLFORL MAT for checking QL for Inspection Lot	1010 Plant 1 DE	10300001 Supplier DE12		01 (Goods Receipt Insp. for Purchase Order)	10 (Stage1)	QM3 (Modification rule 3)	No	[Progress Bar]
<input checked="" type="checkbox"/> MAT_QLFORL MAT for checking QL for Inspection Lot	1010 Plant 1 DE	10200001 Supplier/Customer for Intrastat (HU)		01 (Goods Receipt Insp. for Purchase Order)	10 (Stage1)	QM3 (Modification rule 3)	No	[Progress Bar]

Inspection Lots Ready for Usage Decision: Completed, No Deviations

Inspection Lots Without Inspection Plan: 3 of 8

Material	Plant	Customer	Inspection Type	Next Stage	Dynamic Modification Rule	Skip	History
10000000046 FIN129,MTS-DI,PD,QM	1010					10 PC	last month
10000000556 QM Sampling Scheme	1010					500 PC	last month
10000000513 QM Sampling Scheme	1010					20 PC	last month

Quality Levels by Inspection Severity

Total: 51

Quality Levels by Severity

Severity	Count
No Deviations	1
Reduced Inspections	8
Normal Inspections	32
Tightened Inspections	10

Quality Level for Characteristics

Total: 24

Quality Levels by Status

Status	Count
Net Skipped	1
Skipped	23

Quality Level for Inspection Lots

Total: 27

Quality Levels by Status

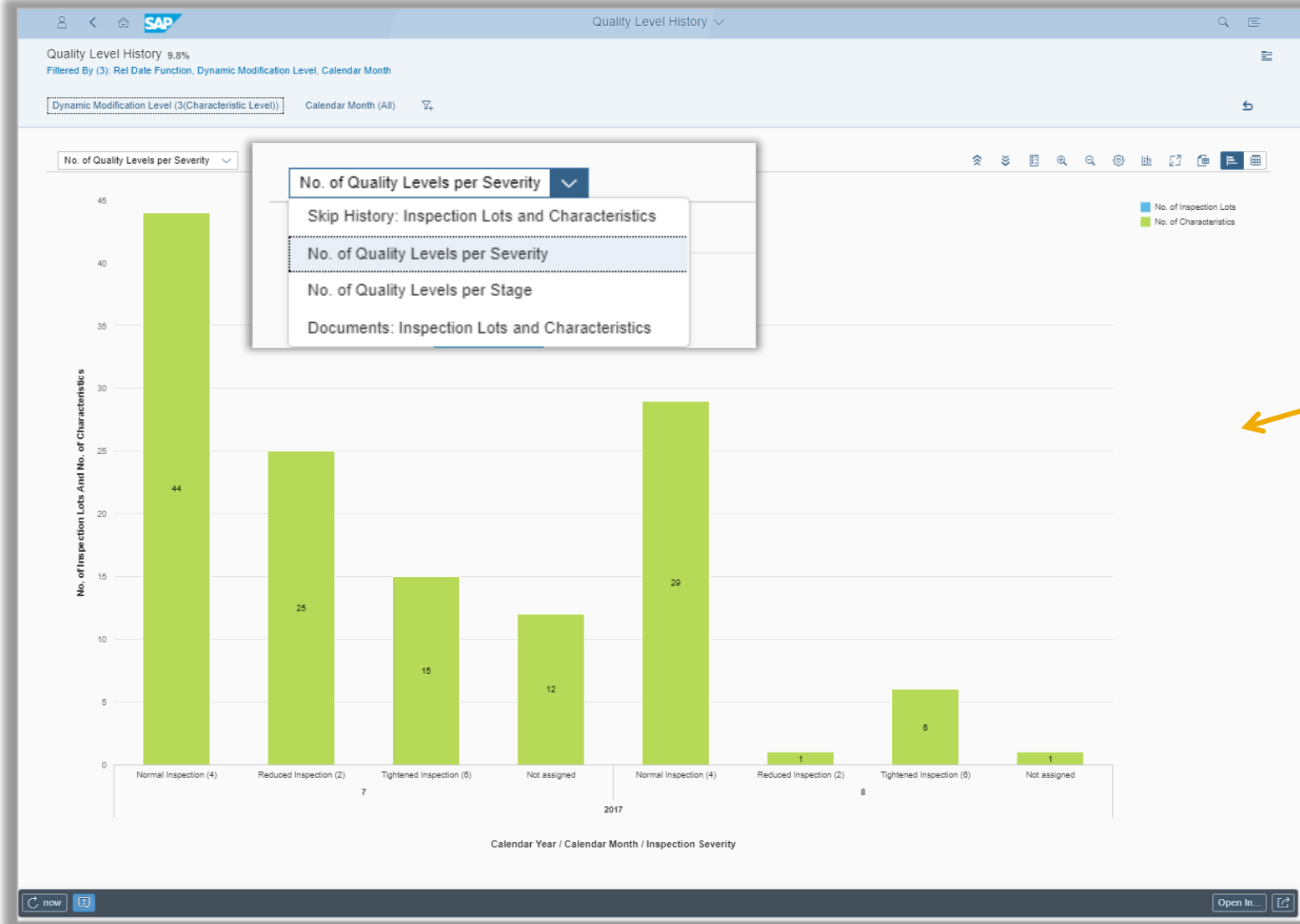
Status	Count
Net Skipped	0
Skipped	27

- New cards for monitoring quality levels:
- Quality level for inspection severity
 - Skip rate for inspection lots
 - Skip rate for characteristics



Analyze Quality Levels

Analytical App with Skip Rate and Other Analytical Capabilities



Manage Quality Levels

Quality Level History
Skip Rate in Last 180 Days

14.1 %

- Lots Skipped 28
- Characteristics Skipped 13
- Lots and Characteri... 249

now

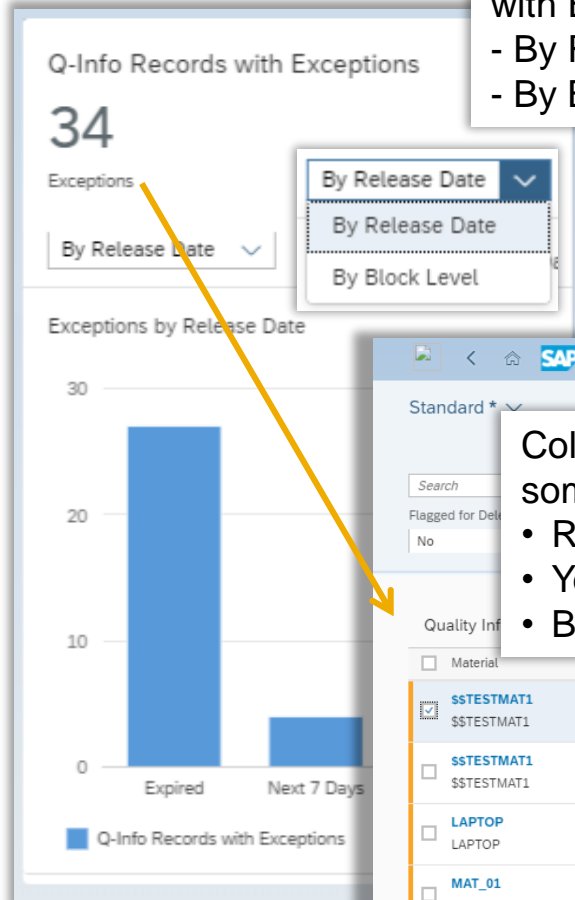
Identify all data that relates to the dynamic modification of the inspection scope by using the data from past inspection valuations.



Manage Quality Info Record for Procurement

Card for Q-Info Records with Exceptions:

- By Release Date
- By Block Level



Colors are used to highlight some quality info records:

- Red: Flagged for deletion
- Yellow: Have exceptions
- Blue: In draft status

Standard *

Search

Flagged for Deletion

No

Material	Plant	Supplier	Release Date	Block Function	Block Reason
SSTESTMAT1	Plant 1 GB	Inlandsieferant DE 6 (Retouren)	02/11/2018	Block purchase order (01)	
SSTESTMAT1	Plant 1 DK	Inlandsieferant DE 6 (Retouren)	02/11/2018	Block purchase order (01)	
LAPTOP	Plant 1 DE	Inlandsieferant DE 6 (Retouren)	03/01/2018		
MAT_01	Plant 1 DE	zxc	01/16/2018		
MAT_05	Plant 1 DE	ARBPCS1	03/09/2018		

Remove Block

Flag for Deletion

Work list with actions:

- Remove Block
- Flag for Deletion

- Limit the release of supply relationships to a specific time frame and a maximum delivery quantity.
- Several block functions are available, for example block purchase order.



Manage Quality Info Record for Procurement

Materials without Quality Info Records

The screenshot shows the SAP 'Manage Quality Info Records' interface. At the top, there's a header with the SAP logo and navigation icons. Below that, a search bar contains 'Materials Without Quality Info Records *'. A dropdown menu is open, showing a list of views: 'Standard-TEST1', 'Standard-TEST3', 'Test 1 I074032', 'Test DC Flag for Deletion Not working', 'MAT_ALL07', 'MAT_AUTHTEST', and 'MAT_QINF_TEST03'. The 'Materials Without Quality Info Records' view is highlighted. Below the dropdown, there's a table with columns for Material, Plant, and Purchasing Info Records. The table lists several materials, each with a 'Create' button. The materials listed are:

Material	Plant	Purchasing Info Records	Action
Standard-TEST1	Plant 1 DE	1010	Create
Standard-TEST3	Plant 1 DE	1010	Create
Test 1 I074032	Plant 1 DE	1010	Create
Test DC Flag for Deletion Not working	Plant 1 US	1710	Create
MAT_ALL07	Plant 1 US	1710	Create
MAT_AUTHTEST	Plant 1 US	1710	Create
MAT_QINF_TEST03	Plant 1 US	1710	Create

The view "Materials Without Quality Info Records" displays a list of materials with missing quality info record. A new quality info record can be created with reference to a material.

The screenshot shows the SAP 'Quality Info Record' form for material MAT_2411802. The form is titled 'Quality Info Record' and has a sub-header 'MAT_2411802 SAMPLE MATERIAL'. The form is divided into two tabs: 'Header' and 'Release'. The 'Release' tab is active, showing the following fields:

- *Release Until: MM/dd/yyyy
- Release Quantity: 0,000 EA
- Ordered Quantity: 0,000 EA
- Block Reason: [Empty field]
- Block Function: [Empty dropdown]
- Supplier Block: [Empty field]
- Reset On: [Empty field]
- Release Quantity Is Active: [Empty checkbox]

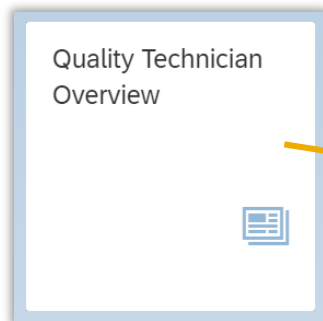
Quality Management in SAP S/4HANA Cloud and SAP S/4HANA

Current Status





Overview Page for the Quality Technician



Quality Technician Overview

Standard ▾
Not Filtered

Inspection Lots Without Inspection Plan		3 of 7
By Creation Date		
010000000303	mat with stock posting	2110 20 PC
07/24/2018		
010000000306	mat with stock posting	2110 40 PC
07/24/2018		
010000000307	MAT_STOCK01	2110 10 PC
07/24/2018		

Inspection Lots with Open Results Recording, No Inspection Points		79
Recording Not Started / In Process		

Inspection Lots with Open Results Recording for Inspection Points		35
Recording Not Started / In Process		

My Tasks		5 of 7
By Planned End		
311	Test for WF - 001	
31	Supply wooden box instead of plastic	07/14/2018
23	Return product	07/26/2018
1	Replace damaged Product	07/27/2018
111	Task Created On 08/05/2018	08/05/2018

Inspection Lots by End of Inspection Date

Category	No. of Inspection Lots
Overdue	70
Today	9

Inspection Lots by End of Inspection Date

Category	No. of Inspection Lots
Overdue	28
Upcoming	7

Cards on the Overview Page

- Inspection Lots without Inspection Plan
- Inspection Lots with Open Results Recording, no Inspection Points
- Inspection Lots with Open Results Recording for Inspection Points
- My Tasks



Record Inspection Results

Card on the Overview Page, Worklist and UI for Entering Results



Monitor and check the number of lots with open results recording and navigate to the corresponding app.

Quality Technician Overview

Standard

Not Filtered

Inspection Lots with Open Results Recording, No Inspection Points

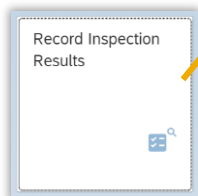
Recording Not Started / In Process

79

Inspection Lots by End of Inspection...

No. of Inspection Lots

Overdue Today



Record Inspection Results

Standard

Inspection Lot: Plant: Lot Origin: Material: Lot End Date: Inspection Plan/Task List Re... Results Recording Status:

94 INSPECTION LOTS 104 OPERATIONS 10 MASTER CHARACTERISTICS

Inspection Lot	Material	Inspection Object Description	Number of Characteristics	Progress of Characteristics	Progress of Operations	Lot End Date
01000000150	QM_DL_02	QM_DL_02	8	<div style="width: 100%; height: 10px; background-color: red;"></div>	<div style="width: 100%; height: 10px; background-color: red;"></div>	8 Days Ago
01000000200	SY002	SEM,QM	20	<div style="width: 50%; height: 10px; background-color: green;"></div>	<div style="width: 50%; height: 10px; background-color: red;"></div>	8 Days Ago
01000000201	SY002	SEM,QM	20	<div style="width: 100%; height: 10px; background-color: gray;"></div>	<div style="width: 100%; height: 10px; background-color: gray;"></div>	7 Days Ago
01000000202	SY002	SEM,QM	20	<div style="width: 100%; height: 10px; background-color: gray;"></div>	<div style="width: 100%; height: 10px; background-color: gray;"></div>	7 Days Ago

Record Inspection Results

Characteristics (2)

Inspection Object	Properties	Inspection Result	Status and Valuation
Surface (0040) Inspection Lot: 010000001462 Operation: 0010	Summarized Result Required Characteristic	Code Group - Code: <input type="text" value="Code Group - Code"/> Specification: Smooth Surface	Inspected/Nonconforming: <input type="text" value="0"/> <input type="text" value="0"/> Inspect: 3 * 1.00 ST Must be processed
Length this is a MIC long text display (0050) Inspection Lot: 010000001462 Operation: 0010	Single Results Required Characteristic	Single Values (cm): <input type="text"/> Specification: 100,00 .. 200,00 cm Target: 150,00 cm	Mean Value: No. Above/... Inspected/... 0,000 cm <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/> <input type="text" value="0"/> Inspect: 3 * 1.00 ST Must be processed



Record Inspection Results

Worklist based on Master Inspection Characteristics



Record Inspection Results

Standard *

Inspection Lot: Plant: Lot Origin: Material: SEM,QM (SY002) 3 More Lot End Date: 03/01/2017...03... Results Recording Status: Clear Adapt Filters (2) Go

40 Inspection Lots 45 Operations **6 Master Characteristics**

Standard *

<input type="checkbox"/> Master Characteristic (ID/Plant/Version)	Inspection Method (ID/Plant/Version)	Number of Characteristics	Progress of Characteristics
<input type="checkbox"/> Color - Summarized - NoCode (SQUALSU1/1010/1)		1	<div style="width: 100%;"><div style="width: 100%;"></div></div>
<input type="checkbox"/> Length - single - Value - U&L (SQUANSI1/1010/1)	TestUI Element: Application title 'i (CALIBR01/1010/1)	1	<div style="width: 100%;"><div style="width: 100%;"></div></div>
<input type="checkbox"/> Surface (YQUALI01/1010/1)	Surface (SURFACE/1010/1)	23	<div style="width: 87%;"><div style="width: 3%; background-color: red;"></div><div style="width: 84%;"></div></div>
<input type="checkbox"/> Length (YQUANT01/1010/1)		23	<div style="width: 61%;"><div style="width: 7%; background-color: green;"></div><div style="width: 5%; background-color: red;"></div><div style="width: 49%;"></div></div>
<input type="checkbox"/> Surface (YQUALI01/1710/1)	Surface (SURFACE/1710/1)		
<input type="checkbox"/> Length (YQUANT01/1710/1)			

Worklist at the level of master inspection characteristics.
Several characteristics across inspection lots can be selected and processed at one go.

Record Inspection Results

Inspection Object	Properties	Inspection Result	Status and Valuation
Surface (0010) Inspection Lot: 040000000000 Operation: 0010	Summarized Result Required Characteristic	Code Group - Code: YBSURFAC - 0040 Specification: Smooth Surface	Inspected/Nonconforming: 10 0 Inspect: 10 * 1.00 ST Processing is completed
Surface (0010) Inspection Lot: 010000000162 Operation: 0020	Summarized Result Required Characteristic	Code Group - Code: SURFACE - 0030 Specification: Smooth Surface	Inspected/Nonconforming: 3 0 Inspect: 3 * 1.00 ST Processing is completed
Surface (0010) Inspection Lot: 010000000201 Operation: 0010	Summarized Result Required Characteristic	Code Group - Code: Code Group - Code Specification: Smooth Surface	Inspected/Nonconforming: 0 0 Inspect: 20 * 1.00 ST Must be processed
Surface (0040) Inspection Lot: 010000000401 Operation: 0010	Summarized Result Required Characteristic	Code Group - Code: SURFACE - 0020 Specification: Smooth Surface	Inspected/Nonconforming: 1 0 Inspect: 1 * 1.00 ST Processing is completed
Surface (0040) Inspection Lot: 010000000404 Operation: 0010	Summarized Result Required Characteristic	Code Group - Code: SURFACE - 0040 Specification: Smooth Surface	Inspected/Nonconforming: 1 1 Inspect: 1 * 1.00 ST Processing is completed
Surface (0040) Inspection Lot: 010000000751 Operation: 0010	Summarized Result Required Characteristic	Code Group - Code: SURFACE - 0030 Specification: Smooth Surface	Inspected/Nonconforming: 1 0 Inspect: 1 * 1.00 ST Processing is completed



Inspections During a Production Operation with Inspection Points



Record results during production on a regular basis*)

Worklist with Inspection Lots

Record Results for Inspection Points

Search [] Inspection Lot: [] Order: [] Work Center: chine/person (WORK) [] Plant: [] Material: [] Material Description: []

Orders (35) Standard

Inspection Lot	Order	Work Centers	Plant	Material	Material Description
030000000001	1000040	WORK	1010	FG129	FIN129.MTS-DI,PD,QM
030000000050	1000101	WORK	1010	FG129	FIN129.MTS-DI,PD,QM
030000000150	1000500	WORK	1010		
030000000200	1000564	WORK	1010		
030000000201	1000565	WORK	1010		

Inspection Points (2)

Operation	Work Center	Date and Time	Status
0020	WORK	7 minutes ago , 09:07	Completed
	WORK	🕒 in 30 minutes , 09:45	Not Started

Record Results for Inspection Points

30000000551 Inspection Lot
Plant: 1010
Material: FG129 (FIN129.MTS-DI,PD,QM)
Batch: []

Date - 09.06.2018 / Time - 09:07:45

Operation: 0020 Valuation: Accepted (OK)

Material: FIN129.MTS-DI,PD,QM (FG129)

Characteristics Valuation User Fields Administrative Data

Items (3)

Characteristic	Inspection Results	Inspected / Nonconforming:	Status / Valuation	Remark	History
Surface Code Group - Code: SURFACE - 0020 Properties: Summarized Result Required Characteristic: Specification: Smooth Surface	1	0	Processing is completed		1
Length Properties: Mean Value (cm): 150,000 Summarized Result Required Characteristic: Specification: 100,00 ... 200,00 cm	0	1	Processing is completed		1
Diameter Properties: Single Values (cm): 20,00 19,50 Single Results Required Characteristic: Specification: 19,40 ... 20,50 cm Target: 20,00 cm	2	0	Processing is completed		1

Valuation
 Accepted (A)
 Rejected (R)

User Fields
Date: 09/06/2018
Time: 09:07:45

Inspection Points per Operation

Operation	Work Center	Date and Time	Status	Progress of Characteristics (Inspected/Planned)	Valuation History	Display / Edit
0020	WORK	7 minutes ago , 09:07	Completed	3 / 3		🗄️ ✎️
	WORK	🕒 in 30 minutes , 09:45	Not Started	0 / 3		✎️

Time for the next inspection is shown.

Record Results

*) Support of the following inspection points: time-related and no relation



Record Inspection Results in Table Form

Standard

Record Inspection Results in Table Form

Search

Inspection Lot: Plant: Material: Master Inspection Characteristics: Lot End Date: Clear

Inspection Lots

Inspection Lot	Material
<input type="checkbox"/> 01000000051	QM001_B
<input type="checkbox"/> 01000000101	QM003
<input type="checkbox"/> 01000000104	MAT_QMIS
<input type="checkbox"/> 01000000200	QM001
<input type="checkbox"/> 01000000300	QM001
<input type="checkbox"/> 01000000301	MAT_STOCK
<input type="checkbox"/> 01000000308	MAT_STOCK01
<input type="checkbox"/> 01000000309	MAT_STOCK02
<input type="checkbox"/> 01000000310	MAT_STOCK02
<input type="checkbox"/> 01000000350	QM001
<input type="checkbox"/> 01000000351	QM001

Select Characteristics for Results Recording

Inspection Characteristics (2)

Master Inspection Characteristic (ID / Plant / Ver...)	Inspection Method (ID / Plant / Version)	Test Equipment
<input checked="" type="checkbox"/> Surface (YQUALI01 / 1010 / 1)	test test (SURFACE / 1010 / 1)	
<input checked="" type="checkbox"/> Length (YQUANT01 / 1010 / 1)		

Record Inspection Results (10)

Inspection Lot	Material	Operation	Surface	Surface	Length	Length
01000001505	QM001	0010	SURFACE - 0020	✓	100.00	✓
01000001550	QM001	0010	SURFACE - 0040#	✗	120.00	✓
01000001551	QM001	0010	SURFACE - 0020		110.00	✓
01000001552	QM001	0010			0.00	
01000001553	QM001	0010			0.00	
01000001600	QM001	0010			0.00	
01000001601	QM001	0010			0.00	
01000001650	QM001	0010			0.00	
01000001651	QM001	0010			0.00	
01000001652	QM001	0010			0.00	

Length (YQUANT01)

Specifications

Specification: 100.00 .. 200.00

Inspect 1 * 1.00 PC

Characteristic

ID: YQUANT01

Plant: 1010

Version: 1

Short Text: Length

Remarks

Enter a Note

Inspection results for several master inspection characteristics for different inspection lots can be recorded in a tabular form on a single screen.



Manage Usage Decisions

Card on the Overview Page, Worklist and Object Page for Usage Decision

Make a usage decision for inspection lots in order to complete the inspection process.

Inspection Lots Without Usage Decision

By Results Recording Status

124

Inspection Lots

Inspection Lots by Results Recording Status

- Not Started: 62
- In Process: 34
- Completed with Violations: 20
- Completed: 5
- Not Required: 3

Manage Usage Decisions

Standard * v

Editing Status: All

Inspection Lot: []

Inspection Lot Origin: []

Plant: []

Material: []

Usage Decision Made: No

Results Recording Status: []

End of Inspection: []

Inspection Lot Status: []

Adapt Filters (3) Go

Inspection Lot	Plant	Material	End of Inspection	Number of Characteristics	Progress of Characteristics	Rejected / Total Characteristics	Usage Decision Code	Defects
10000000101	Plant 1 IN	QM003 QM Dynamic Modification	07/20/2018	2	100%	2 / 2	A1	2
10000000104	Plant 1 SE	MAT_QMIS testing defect app	07/20/2018	6				
10000000200	Plant 1 DE	QM001 QM Regular	07/20/2018	2				
10000000300	Plant 1 DE	QM001 QM Regular	07/24/2018	2				
10000000301	Plant 1 GB	MAT_STOCK mat with stock posting	07/24/2018	2				
10000000310	Plant 1 DE	MAT_STOCK02 QM Regular	07/24/2018	2				
10000000350	Plant 1 DE	QM001 QM Regular	07/24/2018	2				
10000000500	Plant 1 DE	MAT_IP material with insp points	07/27/2018	4				
10000000550	Plant 1 DE	MAT_IP material with insp points	08/01/2018	2				

Usage Decision

10000001601

Material: MAT_WC (MAT_WC) End of Inspection: 08/31/2018 Skip Lot: No Usage Decision: Accepted-Automatic Usage Decision Quality Score: 100

System Statuses: UD ICCO Inspection Type: 01 (Goods Receipt Insp. for Purchase Order)

General Information Usage Decision Results History Defects Quality Score History Administrative Data Documents

Characteristics Inspection Lot Stock Defects

No. of Rejected Characteristics: 0 Inspection Lot Quantity: 5,000 EA Defects: 0

No. of Open Characteristics: 0 Sample Size: 5,000 EA

Open Long-Term Characteristics: 0 Quantity to Be Posted: 0,000 EA

Usage Decision

Usage Decision Code: Accepted-Automatic Usage Decision Usage Decision Comments:

Results History

Characteristic Name	Operation	Status	Valuation	Inspected / Nonconforming	Summarized Result	Single Results	Specification
0010 Diameter	0010	Processing is completed	✓	5 / 0	182,40 cm	████████	50,00 .. 200,00 cm Inspect: 5 * 1.00 EA
0010 Diameter	0020	Processing is completed	✓	5 / 0	280,80 cm	████████	200,00 .. 300,00 cm Inspect: 5 * 1.00 EA



Manage Statistical Control Charts

Card on the Overview Page and Worklist



Card for Action Limit Violations:

- By Work Center
- By Material

Actions:

- Calculate and Activate
- Recalculate
- Complete

Violations by Material

Material	Violations
MA...	2
...	1

Violations by Work Center

Work Center	Violations
ASSEMBLY	5
TECHNIC	3
TURNING1	2

Violations by Violation Type

Violation Type	Count
Action Limit Violati...	9
No Violation (2)	4

Violations by Period

Inspection End Date	No. of Violations
Jul 20, 2018	1
Jul 25, 2018	0
Aug 01, 2018	0
Aug 05, 2018	0
Aug 10, 2018	0

Control Charts (13)

Control Chart	Cha...	Master Insp. Cha...	St...	Work Center	Plant	Material
<input type="checkbox"/> 2	She...	Diameter (DIAME...	Co...		Plant 1...	FIN129,MTS-DI,PD,QM (FG129)
<input type="checkbox"/> 51	She...	mic_01 (MIC_01)	Co...		Plant 1...	
<input type="checkbox"/> 52	She...	mic_01 (MIC_01)	Co...		Plant 1...	
<input type="checkbox"/> 101	She...	Diameter (DIAME...	Co...		Plant 1...	
<input type="checkbox"/> 102	She...	Diameter (DIAME...	Co...		Plant 1...	
<input type="checkbox"/> 201	She...	DIAMETER	Co...		Plant 1...	FIN129,MTS-DI,PD,QM (FG129)

Mean Values

Statistical process control to monitor and control production processes

Quality Management in SAP S/4HANA Cloud and SAP S/4HANA Current Status






Problem-Solving Process (In Addition to Quality Notification)



Big Picture

Defect creation


“New” Defect





By Hand
Manually recorded defect (e.g. mobile)



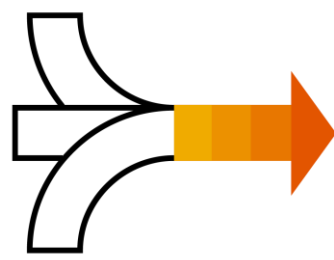
By Results Recording
Automatically created defect triggered by inspection characteristic rejection




By Sensors
Transferred e.g. from sensors via OData




By CoPilot
Manually provided by quick create

Problemsolving





Quality Task
Streamlined problem-solving process


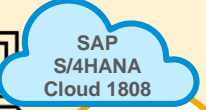




8D / CAPA
Standardized problem-solving process according to 8D including

- Root cause analysis
- Corrective and preventive actions
- Collaborative scenarios






Quality Notifications
Create Q notifications and assign defects

Machine Learning Use Cases:

- Propose defect codes based on text or photos
- Search for similar problems and provide proposals for root causes and corrective and preventive actions



New Defect Handling

Based on Quality Notification Data Model

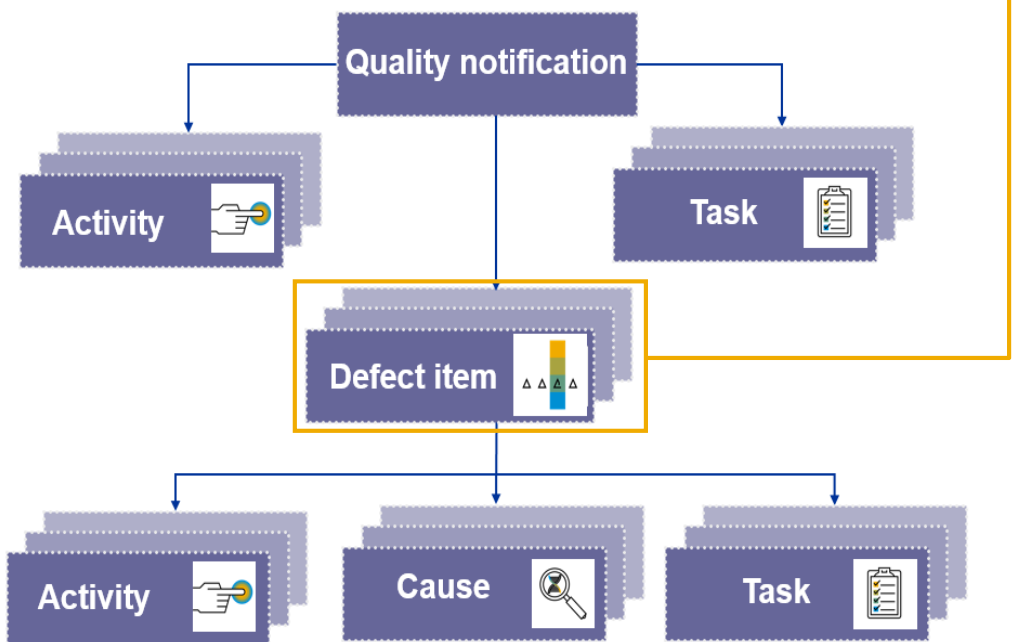


Table QMFE Display

Check Table...

Client	715
Notification	\$000000000001
Item	0
Defect Category	03

New features within the defect:

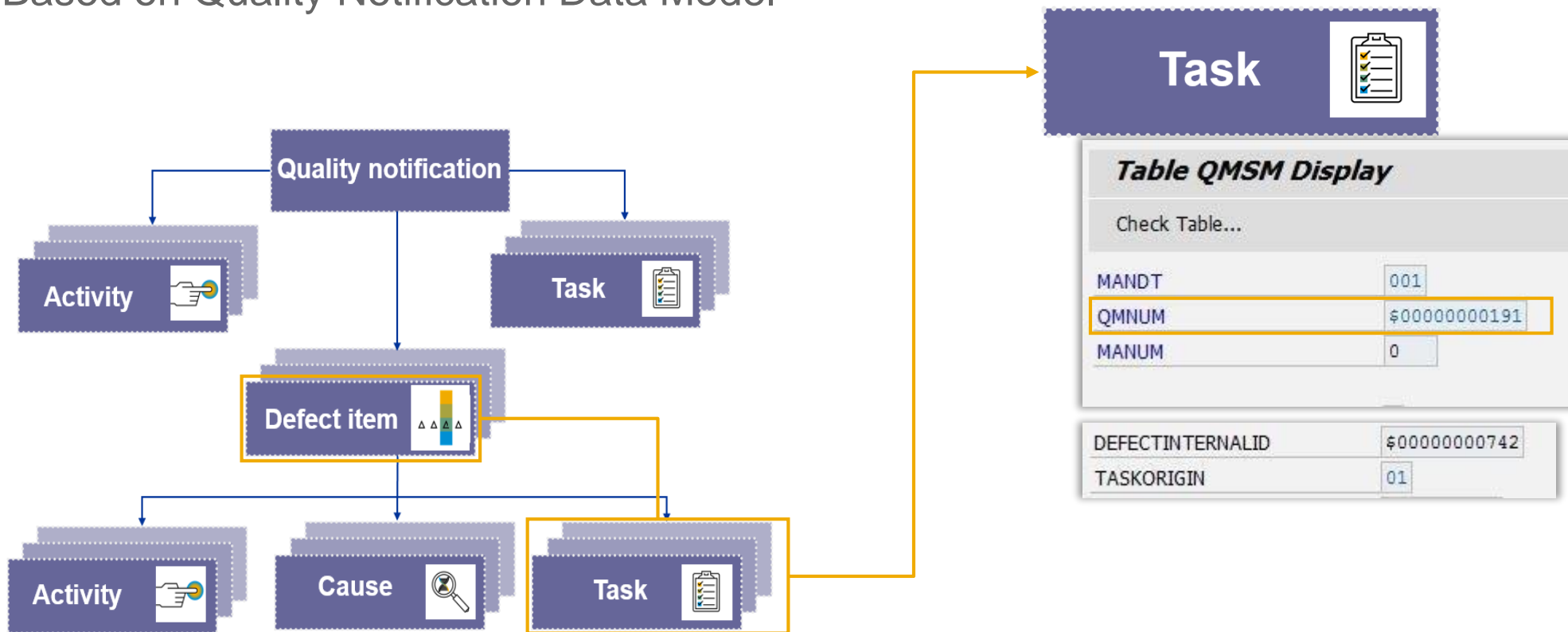
- Defect category to support different use cases
- Statuses
 - Created
 - Not Relevant
 - In Process
 - Completed

Domain	DEFCLCYCLESTAT	Active
Short Description	Defect Status	
Properties	Definition	Value Range
Values		
I	Fixed	Short Descript.
	00	Created
	10	Not Relevant
	12	In Process
	20	Completed

The new defect is no longer assigned to a quality notification. Nevertheless the same database table is used.

New Task Management

Based on Quality Notification Data Model



The new task is also disconnected from the data model of the quality notification. Nevertheless the same database table is used.

Currently a task is always assigned to a defect. Multiple assignments are possible.



Simplified Defect and Task Management (1/5)

Record Defect and Quality Task (mobile)



Currently only defects with defect category „Generic Defect“ can be created manually.

With the embedded camera a photo can be taken and assigned as an attachment to the defect.



With reference to a defect multiple quality tasks can be created. It is possible to assign a processor and a planned end date.



Simplified Defect and Task Management (2/5)

Further Processing of a Defect (Desktop)



Process Defects

Standard * v

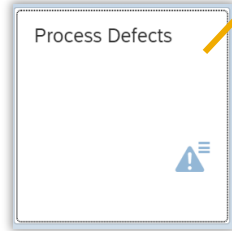
Editing Status: All | Defect Category: | Defect Number: | Defect Code: | Defect Code Group: | Created On: 09/13/2018 | Defect Class: | Defect Status: | Adapt Filters (2) Go

Defects (1)	Defect Number	Defect Code	Defect Code Group	Defect Category	Defect Status	Created On
<input type="checkbox"/>	1046	Damaged (0003)	Functional Defects (DEF-FUNC)	Generic Defect	Created	09/13/2018
	Cube defect					

Complete Set in Process Set to Not Relevant +

Complete Set in Process Set to Not Relevant

Worklist for defects to display or edit them.



Status changes are either possible in the object page or in the worklist for one or more defects.

1046 Cube defect

Defect Info Attachments Tasks

Defect Category: Generic Defect | Defect Status: Created

Defect Code: 0003 Damaged | *Description: Cube defect

Defect Code Group: DEF-FUNC Functional Defects | Detailed Description: Corner piece broken off.

Reference Number:

Attachments (1)

Cube.JPG
Uploaded By: quality_engineer John · Uploaded On: 13-09-2018 13:56:26 · File Size: 781,34 KIB · Source: DMS

Tasks

Task	Description	Task Status	Task Processor	Processor Notes Preview	Completed At	Completed By	Completed On	Planned End Date	Planned End Time	Task Time Zone
No items available										



Simplified Defect and Task Management (3/5)

Quality Tasks Assigned to a Defect (Desktop)



The screenshot shows the SAP Defect object page for defect 1046. The 'Tasks' tab is active, displaying a table of assigned quality tasks. A yellow box highlights the 'Tasks' section.

Task	Description	Task Status	Task Processor	Processor Notes Preview	Completed At	Completed By	Completed On	Planned End Date	Planned End Time	Task Time Zone
501	Order new cube	Created	John quality_engineer (9980000163)					09/14/2018	23:59:59	UTC

Assigned quality tasks are displayed in the defect object page. Tasks can be displayed or changed.

The screenshot shows the SAP Quality Task detail page for task 501. The 'Planning' tab is active and highlighted with a yellow box. It displays fields for Task Code (ME03), Task Code Group (YB-PMME1), Description (Order new cube), Detailed Description (Scrap defect cube and order new), Task Status (Created), and Task Processor (John quality_engineer). The 'Planned End Date' is set to 09/14/2018 and the 'Planned End Time' is 23:59:59.

As soon as a planned end date is entered, a planned end time can also be specified. Date and time are always based on the time zone entered in the user master record.



Simplified Defect and Task Management (4/5)

Further Processing of a Quality Task (Desktop)



The image shows a SAP desktop interface for task management. On the left, a 'Card "My Tasks"' displays a list of tasks sorted by planned end date:

Task ID	Description	Planned End Date
23	Return product	07/26/2018
12	Change Color to Mirror black for ...	08/29/2018
501	Order new cube	09/14/2018

The main 'Worklist "Process Quality Tasks"' displays a table of quality tasks:

Task	Task Status	Task Origin	Processor Notes Preview	Planned End Date	Task Processor	Created On
12	Created	Defect (61)				
23	In Process	Defect (81)	Return product Unsaved Changes by quality_engineer John			
501	In Process	Defect (1046)	Order new cube Draft			

The 'Object Page "Quality Task"' for task 501 shows details:

- Task Info:** Task Code: ME03 (Order part), Task Code Group: YB-PMME1 (Tasks Mechanical), Task Status: In Process, Task Processor: 9980000165 (John d...)
- Description:** Order new cube
- Detailed Description:** Scrap defect cube and order new
- Planning:** Task Time Zone: UTC+0 (UTC), Planned End Date: 09/14/2018, Planned End Time: 23:59:59
- Notes:** Processor Notes: Defect cube scrapped. New cube ordered.

Yellow arrows indicate the flow from the 'My Tasks' card to the worklist, and from the worklist entry to the object page.

With "My Tasks" and "Process Quality Tasks" a personal list of tasks can be displayed in order to navigate to a task to process it further.



Simplified Defect and Task Management (5/5)

Further Processing of a Quality Task via Workflow



The screenshot displays the SAP My Inbox interface. On the left, a 'My Inbox' sidebar shows 'All Items' with a checkmark and the number '20'. An arrow points from this sidebar to the main task list. The main list shows 'All Items (21)' with a search bar and a 'REFRESH' button. The first item is 'Quality Task 501' (SAP_WFRT, Medium). The right pane shows details for 'Quality Task 501', including 'Assigned as Processor', 'Ready' status, and a notification: 'This task has been assigned to you. Choose Open Task to view details of the task.' A notification box in the foreground reads: 'Quality task 501 assigned. You have been assigned as the processor of quality task 501. 2 minutes ago'. A 'Notifications' label points to the notification icon in the top right of the task details pane.

A quality task can be forwarded via workflow. Process quality tasks is embedded into the unified inbox called My Inbox.



Monitor and Manage Defects

Cards on the Overview Page and Worklist



Navigation from a card to an analytical list page to manage defects.

The screenshot displays the SAP Quality Engineer Overview dashboard. The main dashboard includes several key cards:

- Inspection Lots Without Usage Decision:** Total 53.
- Inspection Lots with Defects:** Total 18 (Last 30 Days).
- Top Defective Materials:** Total 102 (Last 30 Days).
- Top Defective Codes:** Total 102 (Last 30 Days).

The 'Inspection Lots with Defects' card features a donut chart titled 'Defects by Inspection Lot Origin' with the following data:

Origin	Count
Goods Receipt	15
Goods Receipt from Production	2
Delivery to Customer with Customer Order	1

The 'Top Defective Materials' card shows a bar chart with categories like 'MAT for checking QL do...', 'QM Regular', 'MAT for checking QL for Chara...', 'QM Quinb-Record', 'QM Quinb-Record', and 'SEM20; PD QM'. The 'Top Defective Codes' card shows a bar chart with categories like 'DEF-PACK', 'DEF-TOL', 'DEF-SURF', and 'DEF-PACK'.

An inset window titled 'Manage Defects' provides a detailed view of 109 defects. It includes a bar chart for 'Defects by Calendar Week / Calendar Year / Defect Code' and a table with the following columns: Defect, Defect Code Text, Defect Code Group, D..., D..., Material, Plant, and Batch.

Defect	Defect Code Text	Defect Code Group	D...	D...	Material	Plant	Batch
141	0001 Dirty	DEF-SURF	06				
165	0001 Incomplete	DEF-PACK	06				
191			06				
201	0010 Surface Issue	DEF-SURF	03	92	QM001	1010	
211			06				
213			06				
241			06				
242	0004 Broken	DEF-FUNC	06	92			
261	0001 Broken	DEF-FUNC	06	92			
262	0002 Broken	DEF-FUNC	06	92			
264	0002 Missing Parts / Components	DEF-PACK	06	92			
271	0002 Dirty	DEF-SURF	06	92			
272	0001 Dirty	DEF-SURF	06	92			
273			06	92			

Cards displaying defect frequencies:

- Top defective codes
- Top defective materials
- Inspection lots with defects



Manage Defects

Continue in Quality Notification

Record Defect

SAP Defect 1571: Motobike does not run

Defect Category: Generic Defect
 Defect Code Group: DEF-FUNC
 Defect Code Group Text: 0000
 Defect Code: 0000
 Short Text for Code:
 Reference Number:
 Attachments: Attachments (0)

Defect Status: Created
 Description: Motobike does not run
 Detailed Description: Engine will not start

Manage Defect

Search:

Material: Plant: Inspection Lot Origin:

Defect Code Group: Functional Def... Defect Code: No Function (0... Created On:

Supplier: Customer (Ship-To Party): Defect Category: Defect Class: Work Center: Changed At:

Continue in Notification

Defect	Description	Notification	Notific...	Defect Code Group	Defect Code	Defect Cate...
921	Manfreds Defect			Functional Defects (DEF-FUNC)	No Function (0010)	Generic Def...
1153	Parts do not function			Functional Defects (DEF-FUNC)	No Function (0010)	Generic Def...
1571	Motobike does not run			Functional Defects (DEF-FUNC)	No Function (0010)	Generic Def...

For generic defects a notification can be created to continue the problem-solving process.

Display Quality Notification

Notification: 200000410 Q3 InternalProbNotif.
 Notific. Status: OSNO
 Description: Motobike does not run

Reference Objects Subject Processing Dates/Times Malfunction Data **Items**

Overview

No.	Code Gr...	Def...	Defect Loc.	Code Gr...	Def...	Defect Type	Text
1	DEF-FUNC	0010	No Function				Motob...

Quality Notification created

Success
 Notification 000200000410 created
 Display Notification Close

Defect	Description	Notification	Notific...	Defect Code Group	Defect Code	Defect Cate...
1153	Parts do not function			Functional Defects (DEF-FUNC)	No Function (0010)	Generic Def...
1571	Motobike does not run	200000410	1	Functional Defects (DEF-FUNC)	No Function (0010)	Notification ...

Defects (3)

Defect	Description	Notification	Notific...	Defect Code Group	Defect Code	Defect Cate...
921	Manfreds Defect			Functional Defects (DEF-FUNC)	No Function (0010)	Generic Def...
1153	Parts do not function			Functional Defects (DEF-FUNC)	No Function (0010)	Generic Def...
1571	Motobike does not run	200000410	1	Functional Defects (DEF-FUNC)	No Function (0010)	Notification ...

Original defect displayed as notification item

Manage Quality Tasks



Manage Quality Tasks

Open Quality Tasks
By Processor Assignment
38
Created, In Process

Open Quality Tasks
By Planned End
38
Created, In Process

Tasks by Processor Assignment

Tasks by Planned End

Legend: Not Assigned (blue), Assigned (orange)

SAP Manage Quality Tasks

Search: [] Task: [] Task Status: [] Task Processor: [] Defect Category: [] Planned End Date: [] Processor Assignment: []

Quality Tasks by Planned End

CalendarYear / CalendarWeek

Assign Processor

Quality Tasks (62)

Task	Defect Number	Planned End Date	Task Status	Defect Category	Task Processor	Completion Date
<input type="checkbox"/> hhh (272)	hhhr (474)		Created (00)	Generic Defect (06)	Jemma Vince (9980000871)	
<input checked="" type="checkbox"/> orurowor (273)	lewre (512)		Created (00)	Generic Defect (06)	Jemma Vince (9980000871)	
<input type="checkbox"/> test (282)	test (481)		Created (00)	Generic Defect (06)	Jemma Vince (9980000871)	
<input type="checkbox"/> task2CE1808 (285)	1808 CE tests (502)		Created (00)	Generic Defect (06)	John quality_technician (9980000871)	
<input checked="" type="checkbox"/> test3 (287)	lewre (512)		Created (00)	Generic Defect (06)	Jemma Vince (9980000871)	
<input type="checkbox"/> task for defect_ (291)	Defect description (463)		Created (00)	Generic Defect (06)	John quality_technician (9980000871)	
<input type="checkbox"/> 1 Test Lifecycle status 2 (241)	Test Lifecycle status 2 (423)		In Process (10)	Generic Defect (06)	Jemma Vince (9980000871)	
<input type="checkbox"/> BB Task 2 Test Timezone (271)	BB 2 Test Timezone (462)		In Process (10)	Generic Defect (06)	Kevin Gao (9980001920)	
<input type="checkbox"/> Corrective action: Polish surface (221)	Scratches (361)	05/16/2017	Created (00)	Generic Defect (06)	Kevin Gao (9980001920)	
<input type="checkbox"/> Correction 002 (62)	Defect 20.04.2018 - 001 (51)	01/01/2018	Created (00)	Generic Defect (06)	John Aa_Accountant_It (9980000871)	
<input type="checkbox"/> Test Status Task (102)	Test Status task (44)	02/26/2018	Created (00)	Generic Defect (06)	John quality_technician (9980000871)	
<input type="checkbox"/> Correction 001 (61)	Defect 20.04.2018 - 001 (51)	04/29/2018	Created (00)	Generic Defect (06)	John quality_technician (9980000871)	
<input type="checkbox"/> SAT Task 4/31 (eigentlich erste Task) (31)	Kerstin SAT2 (4)	05/01/2018	Created (00)	Generic Defect (06)	John quality_technician (9980000871)	
<input type="checkbox"/> test2 (212)	test (333)	05/01/2018	Created (00)	Generic Defect (06)	John Administrator_Test (9980000871)	
<input type="checkbox"/> task Test Lifecycle Status 1 (231)	Test Lifecycle Status 1 (422)	05/01/2018	Created (00)	Generic Defect (06)	John Administrator_Data (9980000871)	
<input type="checkbox"/> BS - Defect 1 - Task 1 (201)	BS - Defect 1 (332)	05/02/2018	Created (00)	Generic Defect (06)	Jemma Vince (9980000871)	
<input type="checkbox"/> task112 (112)	defect (82)	05/07/2018	Created (00)	Generic Defect (06)	Jemma Vince (9980000871)	
<input type="checkbox"/> task 182 (182)	DEF-FUNC (323)	05/07/2018	Completed (20)	Generic Defect (06)	Jemma Vince (9980000871)	
<input type="checkbox"/> 2nd one (51)	Quality Task Lifecycle Status Test 01 (21)	05/08/2018	Created (00)	Generic Defect (06)	Jemma Vince (9980000871)	
<input type="checkbox"/> Correction 001 (73)	Defect FIT 20.04.2018 - 002 (61)	05/08/2018	Created (00)	Generic Defect (06)	John quality_planner (9980000871)	
<input type="checkbox"/> test (1)	test (11)	05/08/2018	In Process (10)	Generic Defect (06)	Jemma Vince (9980000871)	
<input type="checkbox"/> order for different color (83)	color wrong (43)	05/08/2018	In Process (10)	Generic Defect (06)	John AA_ACCOUNTANTANT_It (9980000871)	
<input type="checkbox"/> test (101)	test (52)	05/08/2018	Completed (20)	Generic Defect (06)	Jemma Vince (9980000871)	

Assign Processor

Processor: []

OK Cancel

“Manage Quality Tasks” is a worklist with analytical capabilities mainly for the quality engineer.

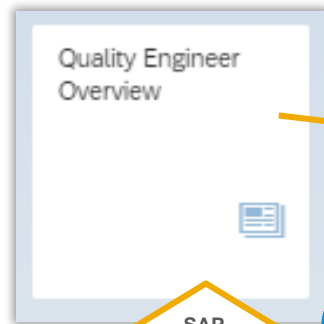
The worklist allows for example to assign a processor to multiple tasks in one step.

Quality Management in SAP S/4HANA Cloud and SAP S/4HANA Current Status





Overview Page for the Quality Engineer

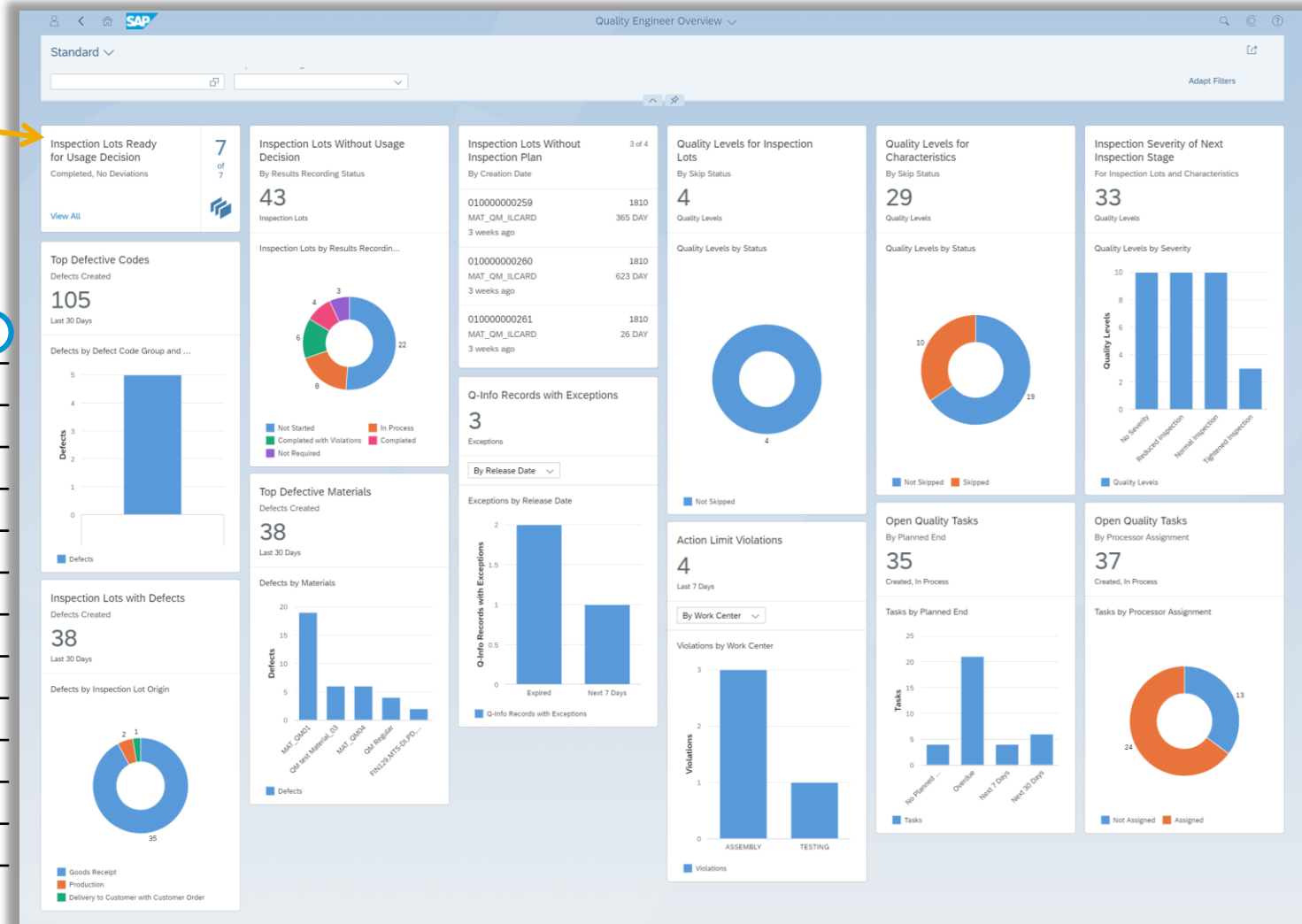


SAP S/4HANA 1809

SAP S/4HANA Cloud 1811

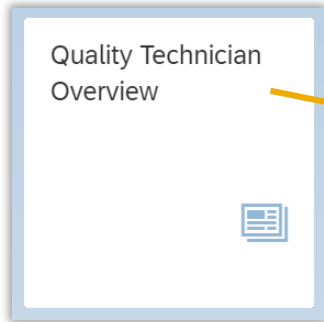
Cards

Inspection Lots without Inspection Plan	X	X
Inspection Lots without Usage Decision	X	X
Inspection Lots ready for Usage Decision	X	X
Top Defective Codes	-	X
Top Defective Materials	-	X
Inspection Lots with Defects	-	X
Inspection Severity for next Inspection Stage	X	X
Quality Levels for Inspection Lots	X	X
Quality Levels for Characteristics	X	X
Violated Inspection Limits	X	X
Q-Info Records with Exceptions	X	X
Open Quality Tasks By Planned End	X	X
Open Quality Tasks By Processor Assignment	X	X





Overview Page for the Quality Technician



Quality Technician Overview

Standard
 Not Filtered

Inspection Lots Without Inspection Plan 3 of 4
By Creation Date

010000000259	1810
MAT_QM_ILCARD	365 DAY
04/26/2018	
010000000260	1810
MAT_QM_ILCARD	623 DAY
04/26/2018	
010000000261	1810
MAT_QM_ILCARD	26 DAY
04/26/2018	

Inspection Lots with Open Results Recording, No Inspection Points
Recording Not Started / In Process

11

Inspection Lots with Open Results for Inspection Points
Recording Not Started / In Process

15

Inspection Lots by End of Inspection...

End of Inspection	No. of Inspection Lots
Overdue	9
Today +1	2

Inspection Lots by End of Inspection...

End of Inspection	No. of Inspection Lots
Overdue	15

My Tasks 5 of 8
By Due Date

221	Corrective action: Polish surface	05/16/2017
61	Correction 001	04/29/2018
31	SAT Task 4/31 (eigentlich erst...	05/01/2018
141	trest	05/08/2018
171	test	05/22/2018

Cards



Inspection Lots without Inspection Plan	X	X
Inspection Lots with Open Results Recording	X	X
Inspection Lots with Open Results for Inspection Points	X	X
My Tasks	X	X



Results History

Evaluation of Quantitative Characteristics

SAP Results History

Standard * ⌵ Hide Filter Bar Filters (4) Go

Aggregation Level: Master Characteristic Time Interval: None Task List Type: Group: Group Counter: Characteristic:

Operation/Activity: Plant for Master Characteristic: 1010 Master Characteristic: YQUANT01 Version: Plant of Inspection Lot: Material:

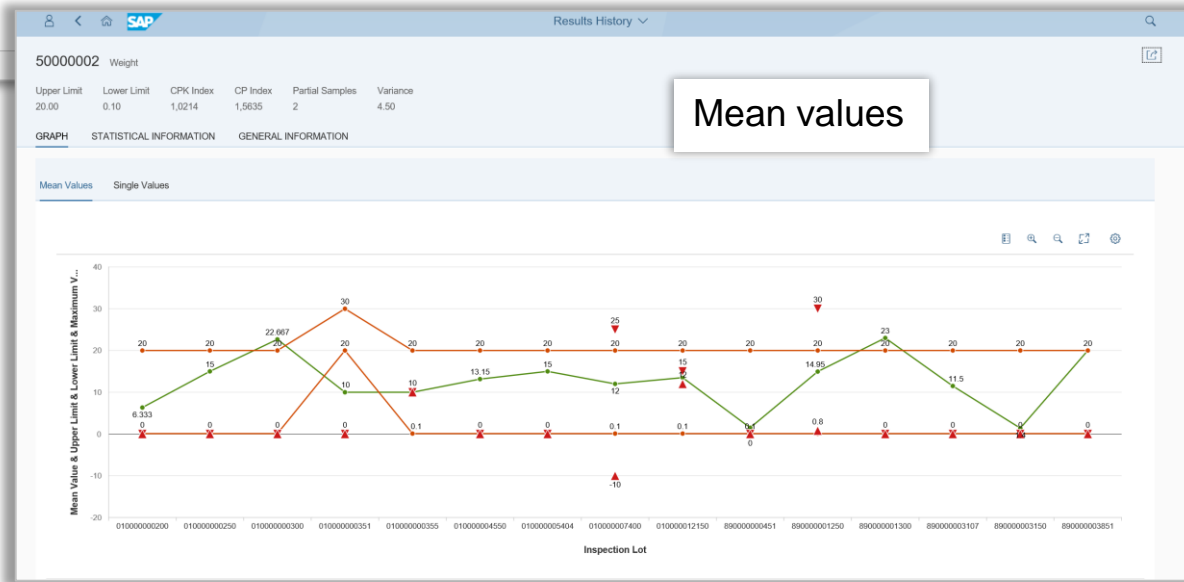
Created On:

Inspection Result (1) | Standard ⌵

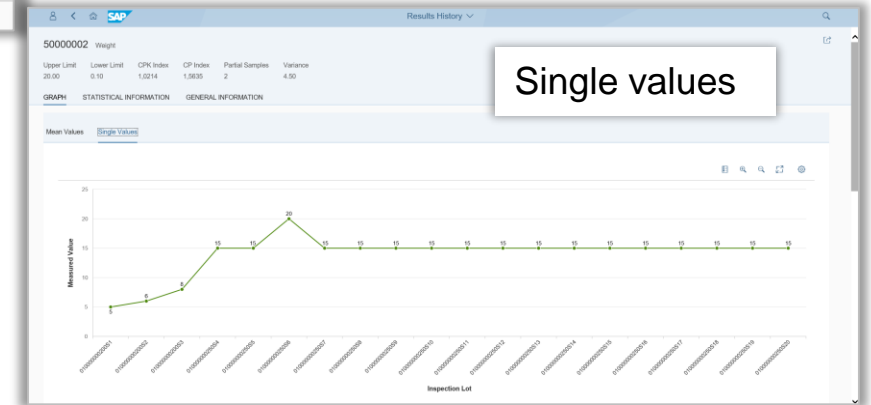
Characteristic	Mean Value	Variance	Cpk Index	Cp Index	Upper Specif. Limit	Lower Specif. Limit	Short Text	Lots (KPI)
YQUANT01-1010-1 Länge	185.33	61445.42	0.0197	0.0672	200 CM	100 CM	Länge	18 >

Inspected Sample (KPI): 110

Aggregated list at the level of characteristics



Mean values



Single values

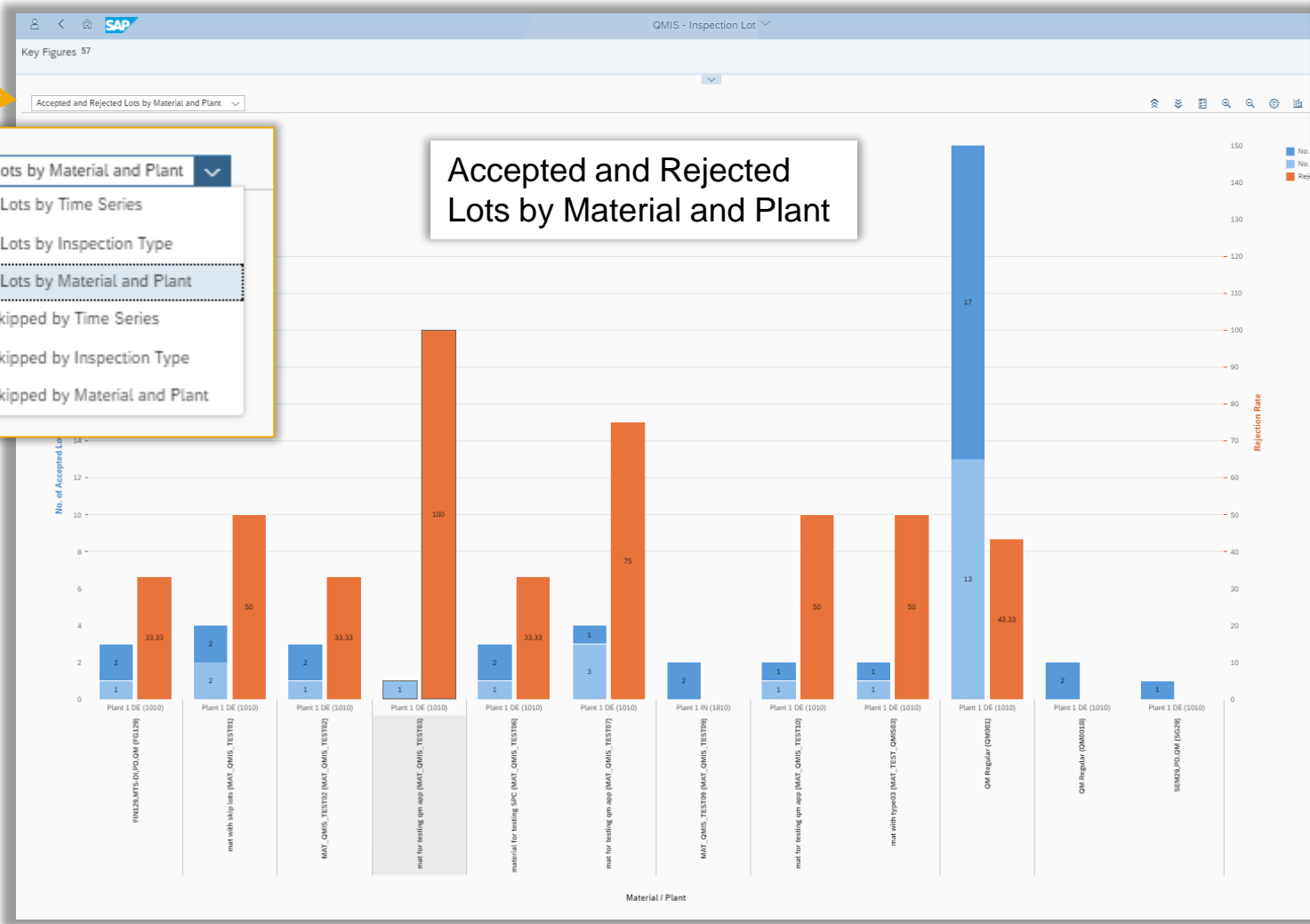


QM Analytics

Inspection Lot Analytics

Inspection Lot Analytics
UD Made in Last 1 Yr

156



Analysis of inspection lots with usage decisions from the last 365 days based on time, inspection type, material and plant.



QM Analytics

Inspection Lot Detailed Analytics

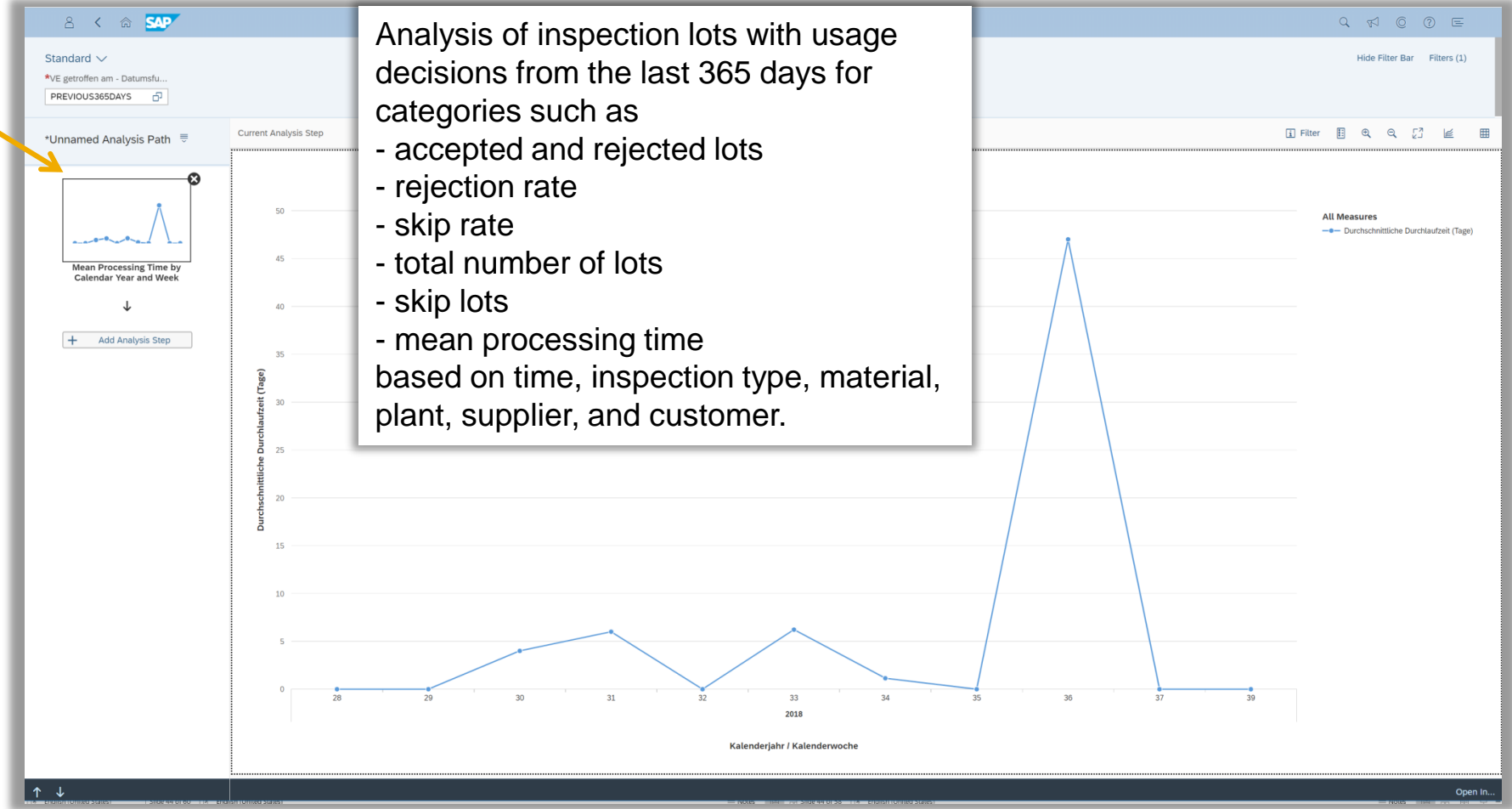
Inspection Lot Detailed Analytics
On Lots with Usage Decision in Last Year

50

No. of Rejected Lots

Mean Quality Score	80,9
Mean Processing Time ...	3,3

now





QM Analytics

Inspection Lot Detailed Analytics - Example (1/2)



The screenshot illustrates the navigation path in SAP QM Analytics to create a line chart for Mean Processing Time. The path is as follows:

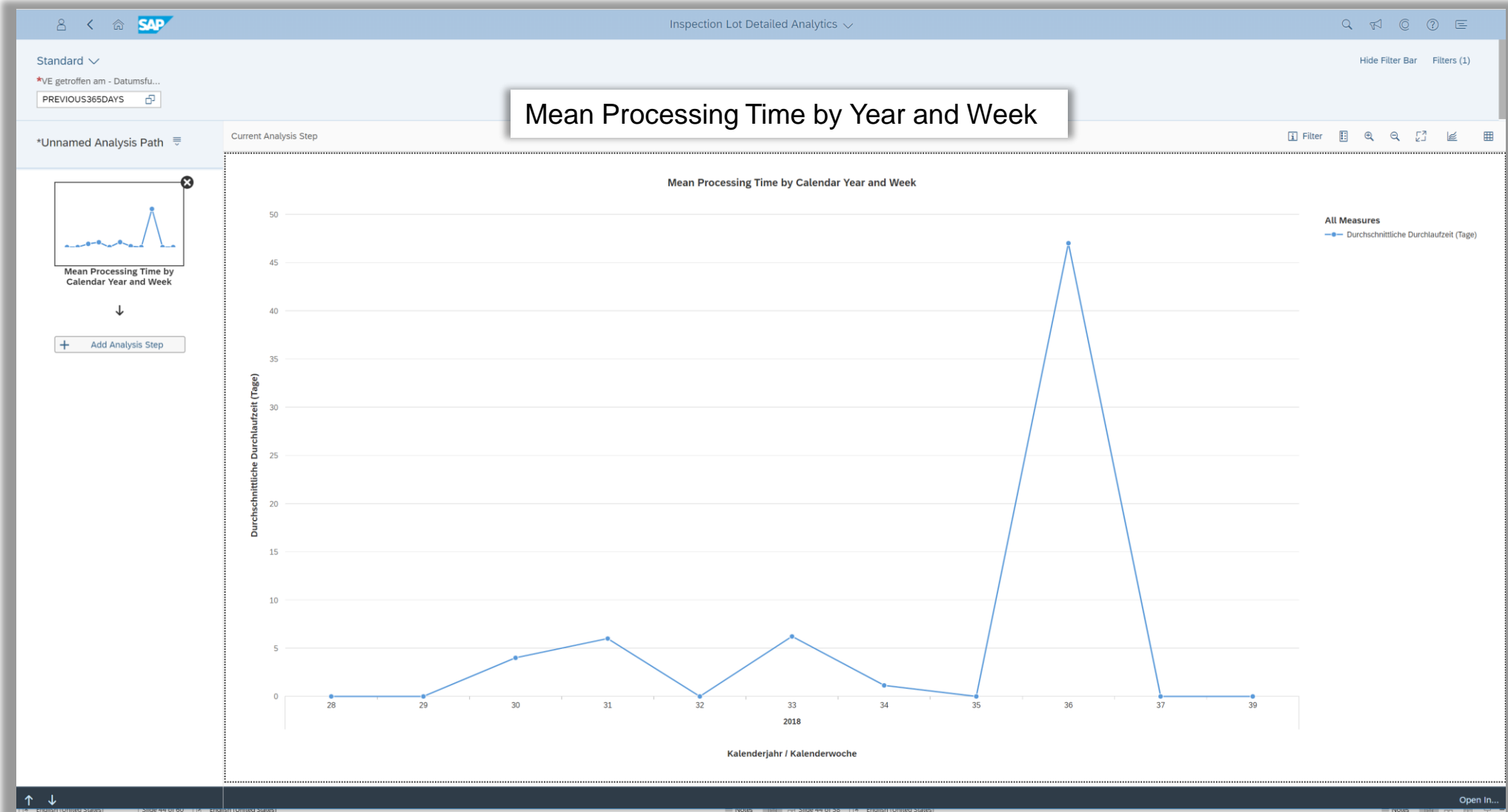
- Step 1:** In the 'Unnamed Analysis Path' sidebar, click the **Add Analysis Step** button.
- Step 2:** In the main list, select **Mean Processing Time**.
- Step 3:** In the 'Mean Processing Time' filter menu, select **Mean Processing Time by Calendar Year and Week**.
- Step 4:** In the 'Mean Processing Time by Calendar Year and Week' filter menu, select **Line Chart** (Sorted by: Kalenderjahr, Kalenderwoche).

Yellow boxes and arrows highlight these steps, with callout boxes labeled: **Add Analysis Step**, **Mean Processing Time**, **Mean Processing Time by Year and Week**, and **Line Chart**.



QM Analytics

Inspection Lot Detailed Analytics - Example (2/2)



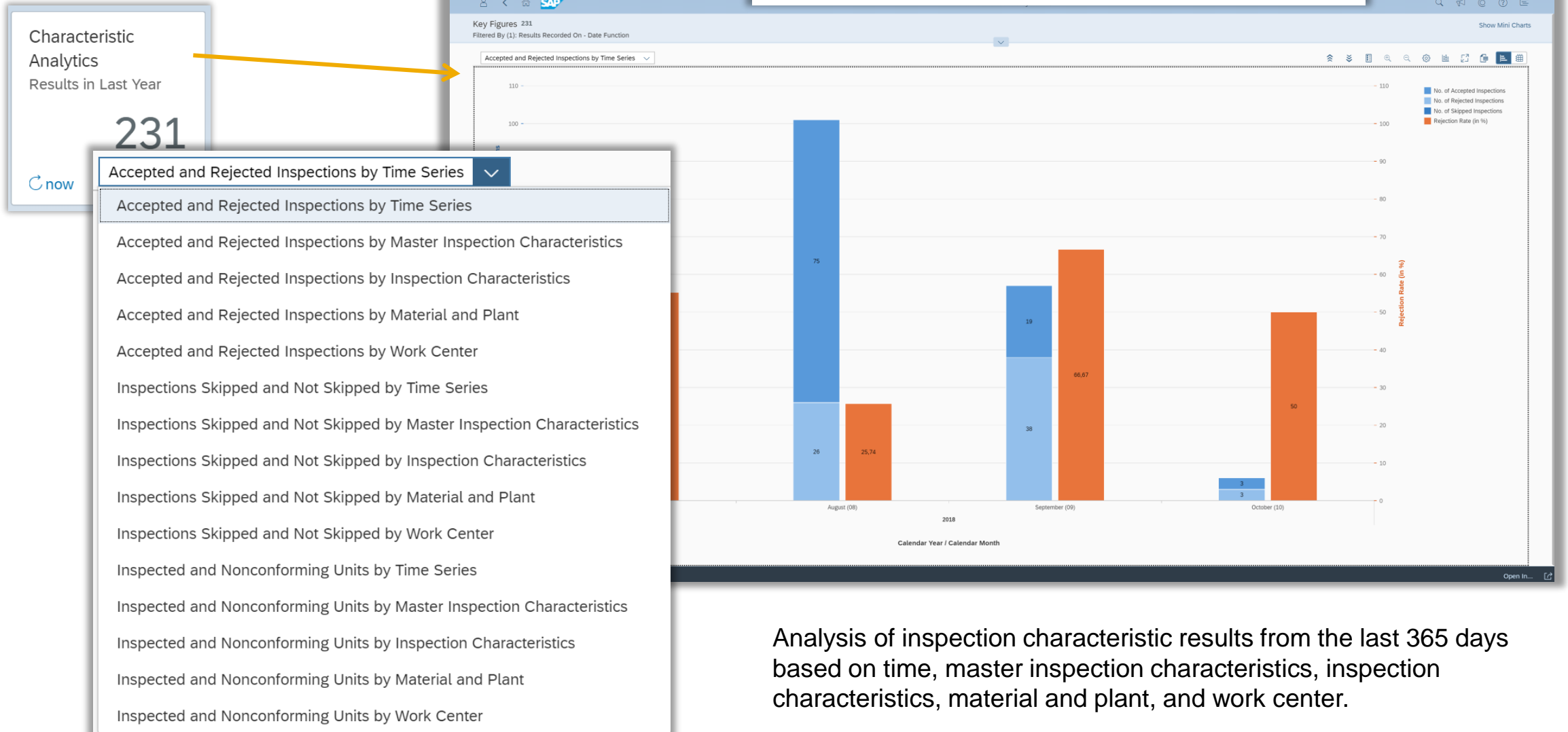


QM Analytics

Characteristic Analytics



Accepted and Rejected Inspections by Time Series



Analysis of inspection characteristic results from the last 365 days based on time, master inspection characteristics, inspection characteristics, material and plant, and work center.



QM Analytics

Characteristic Detailed Analytics

Characteristic Detailed Analytics
Results Recorded in Last Year

234

Rejection Rate (in %) **44,4**

Skip Rate (in %)

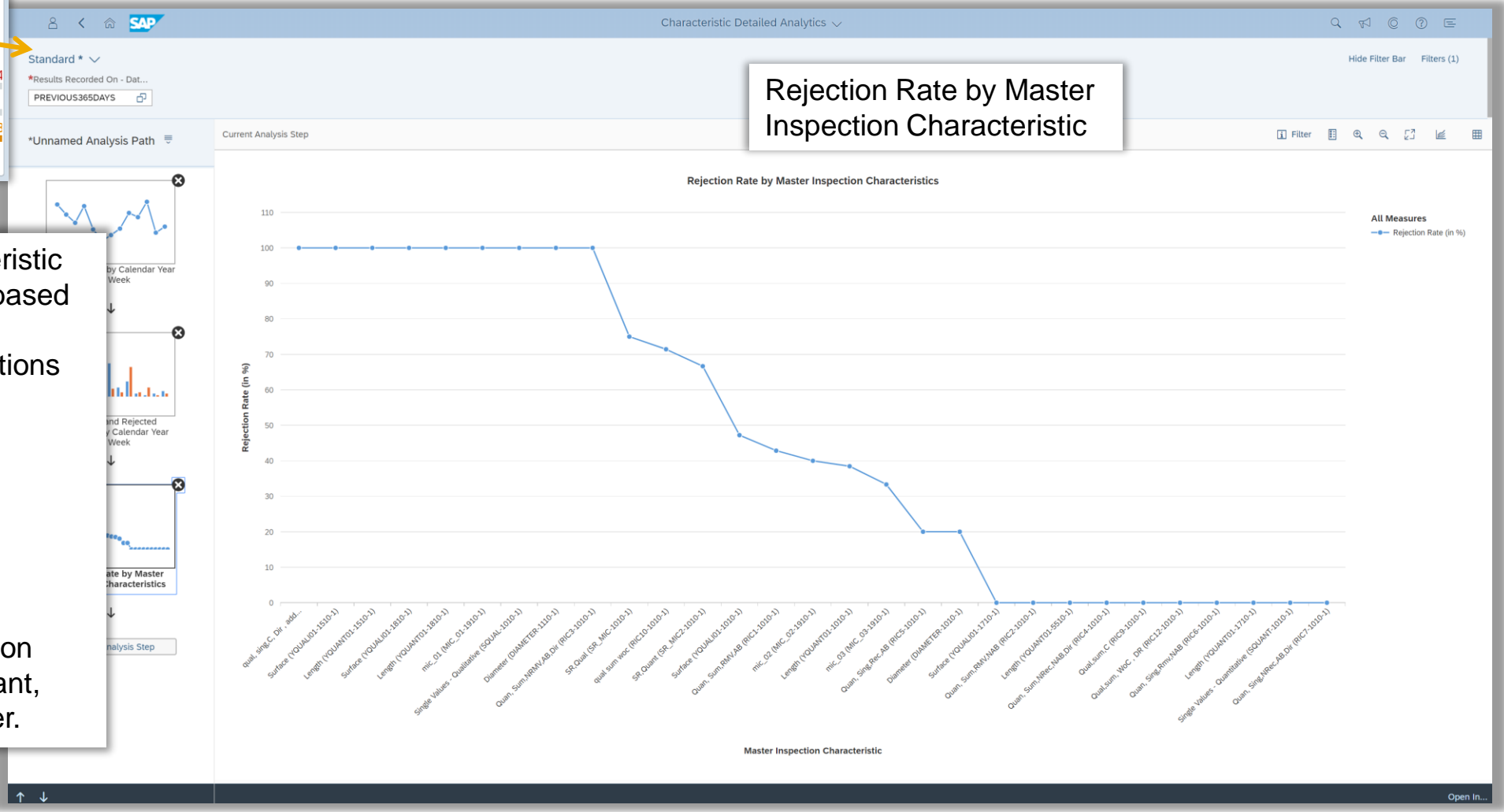
Nonconforming Units **73**

now

Analysis of inspection characteristic results from the last 365 days based on for categories such as

- accepted and rejected inspections
- rejection rate
- skip rate
- mean value
- standard deviation
- Cp and Cpk index
- and so on

based on time, inspection characteristics, master inspection characteristics, work center, plant, material, supplier, and customer.





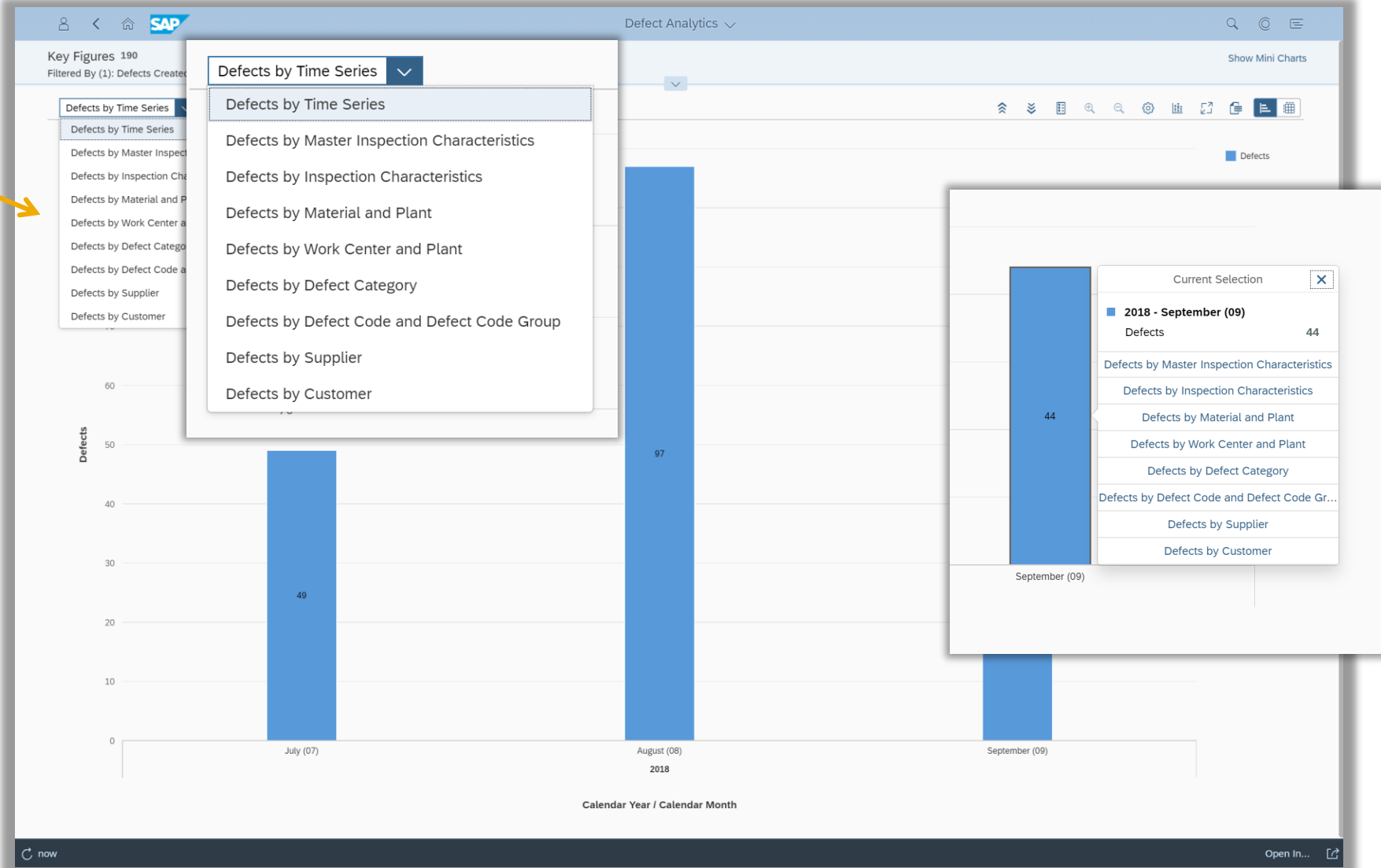
QM Analytics

Nonconformance Analytics

Nonconformance Analytics
Defects Created in L...

205

[now](#)



Analysis of defects from the last 365 days based on time, master inspection characteristics, inspection characteristics, material and plant, work center and plant, defect category, defect code and defect code group, supplier, and customer.



QM Analytics

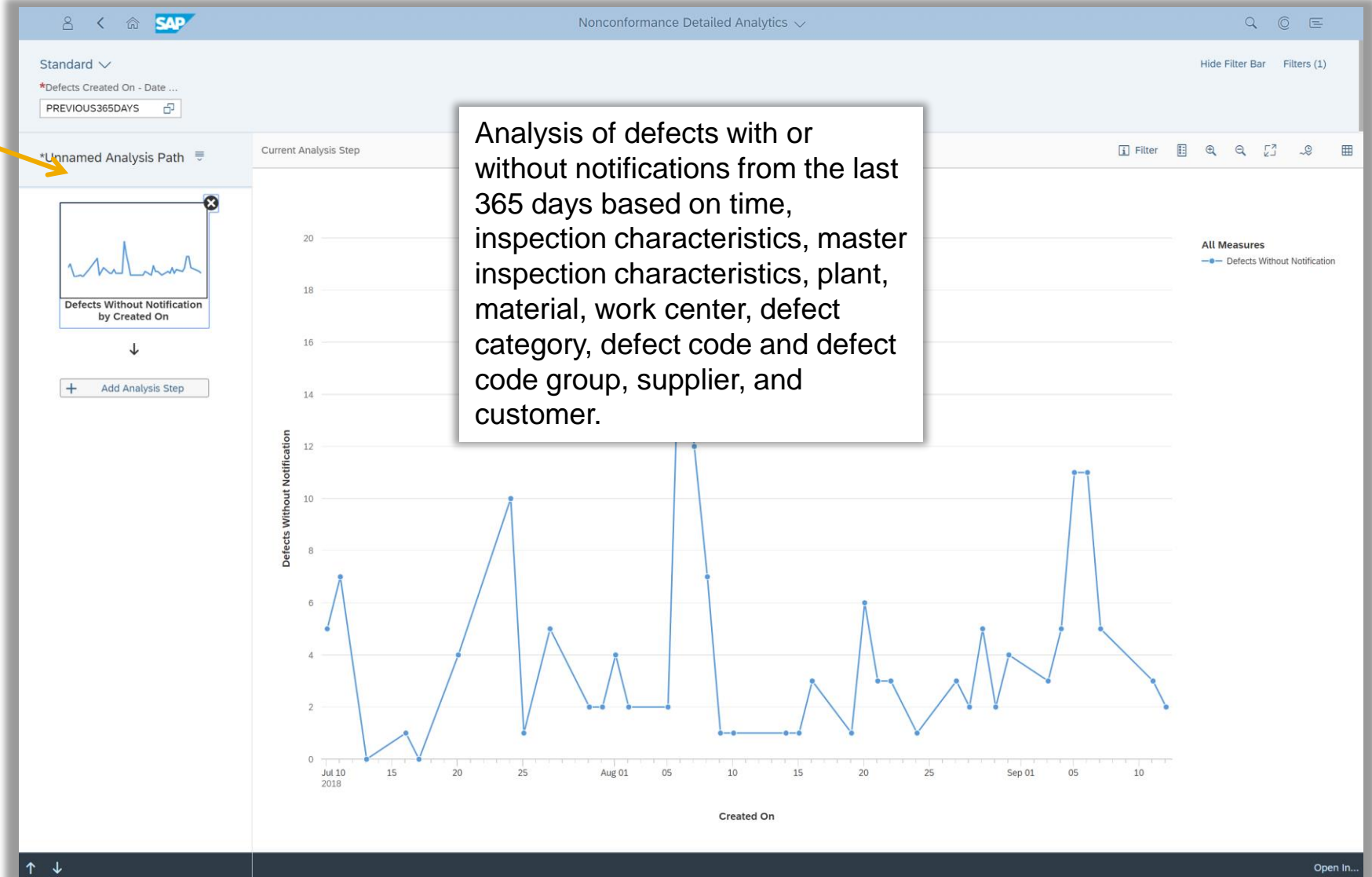
Nonconformance Detailed Analytics

Nonconformance Detailed Analytics
Defects Created in Last Year

190

Defects with Notificati... 30
Defects Without Noti... 160
(None)

now



Analysis of defects with or without notifications from the last 365 days based on time, inspection characteristics, master inspection characteristics, plant, material, work center, defect category, defect code and defect code group, supplier, and customer.



QM Analytics

Nonconformance Detailed Analytics - Example (1/3)

The screenshot shows the SAP QM Analytics interface for Nonconformance Detailed Analytics. The main window displays a list of categories under the heading "Category". The categories listed are "Defects", "Defects with Notification", and "Defects Without Notification". A yellow box highlights the "Add Analysis Step" button on the left sidebar, with an arrow pointing to the "Defects Without Notification" category. A second yellow box highlights the "Defects Without Notification" category, with an arrow pointing to a search filter menu. This menu lists various analysis options, with "Defects Without Notification by Created On" highlighted by a yellow box. An arrow points from this menu to a third yellow box highlighting the "Line Chart with Time Axis" option, which is sorted by "Created On". A final arrow points from this option to the right side of the interface, where a line chart is displayed. The chart is titled "Defects Without Notification by Created On" and is sorted by "Created On".

Add Analysis Step

Defect without Notification

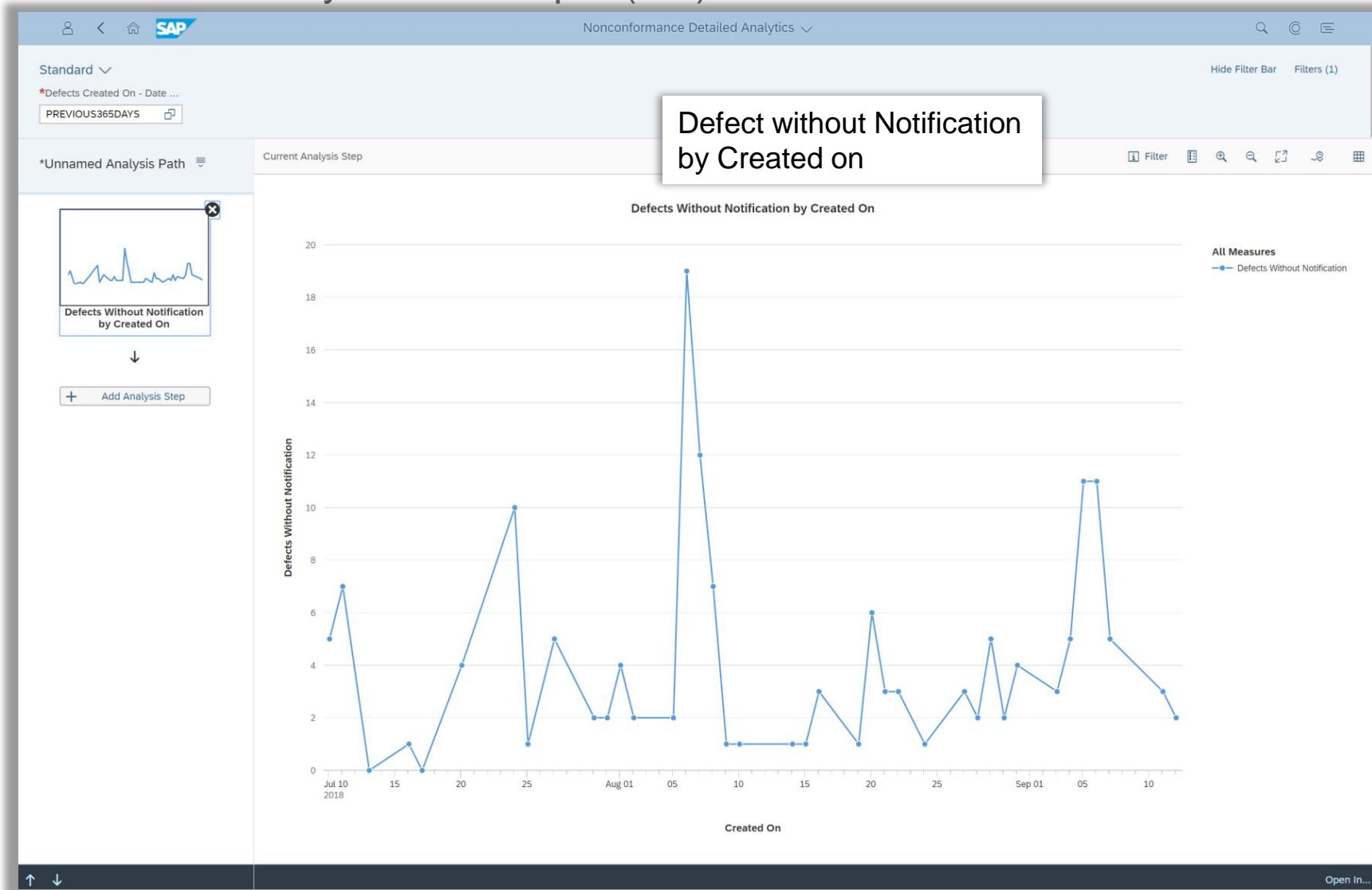
Defect without Notification by Created on

Line Chart with Time Axis



QM Analytics

Nonconformance Detailed Analytics - Example (2/3)





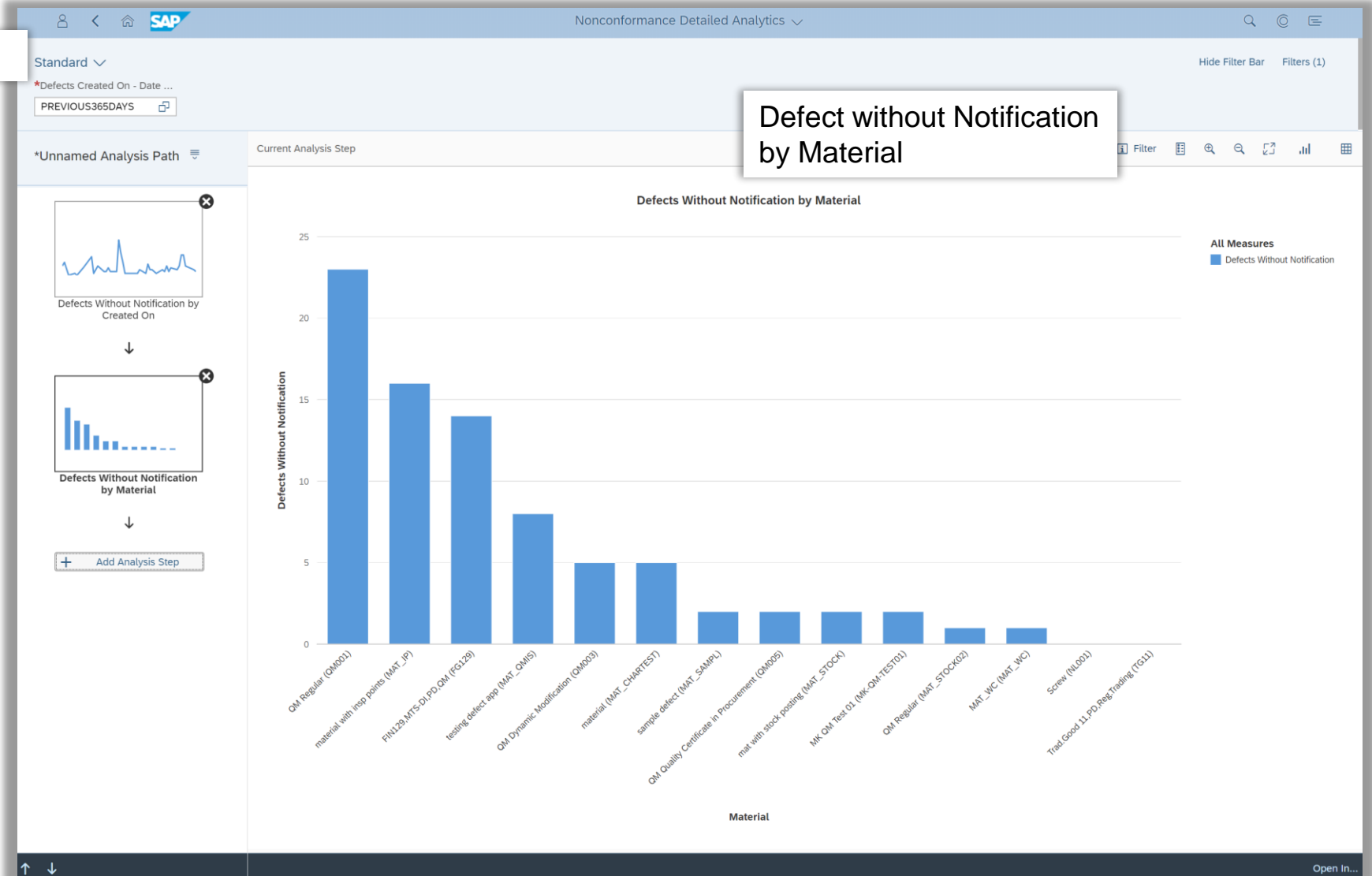
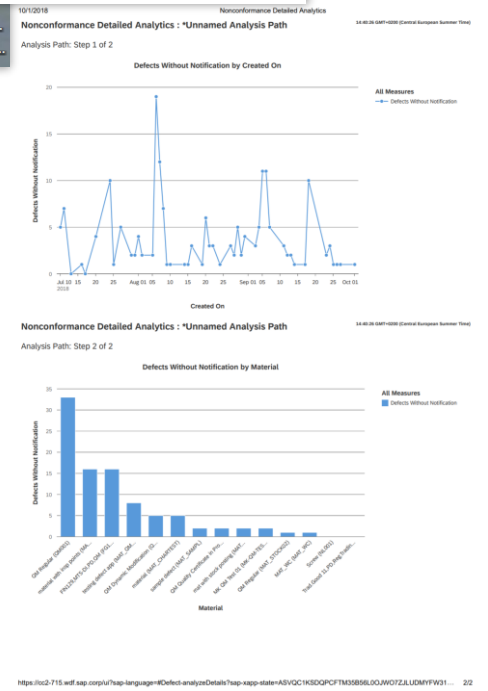
QM Analytics

Nonconformance Detailed Analytics - Example (3/3)

Another Analysis Step

Printout as PDF

Nonconfor...
Detailed An...



Quality Management in SAP S/4HANA Cloud / SAP S/4HANA

Current Status and Outlook



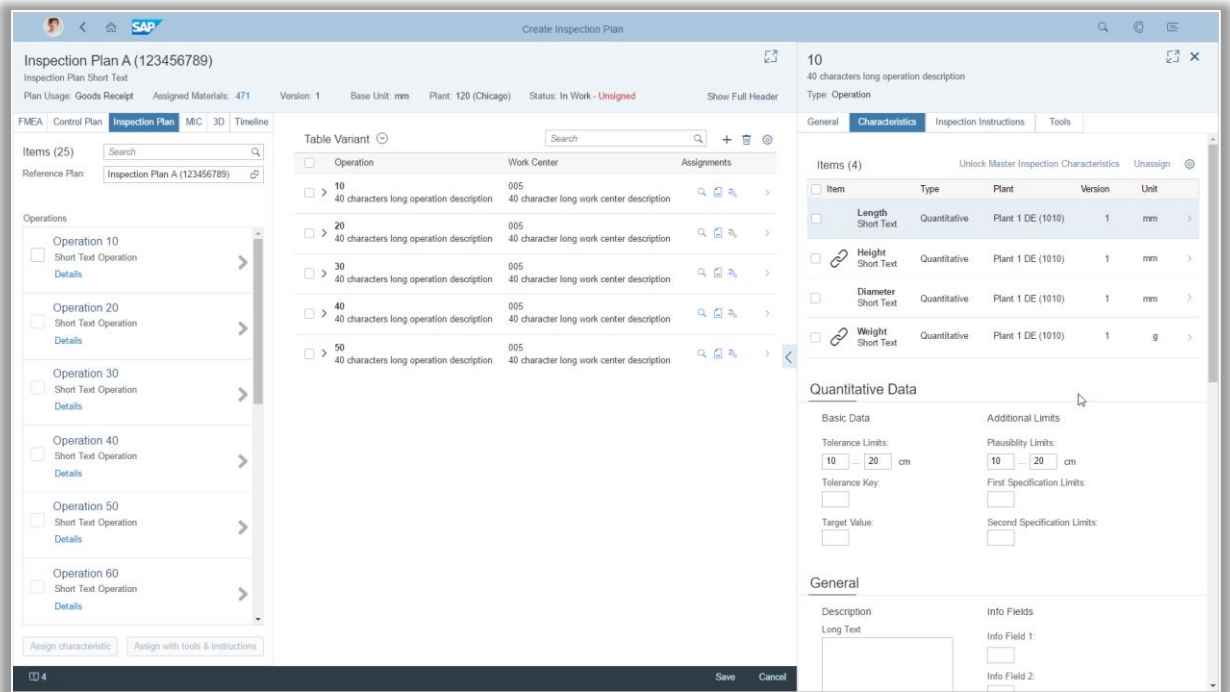
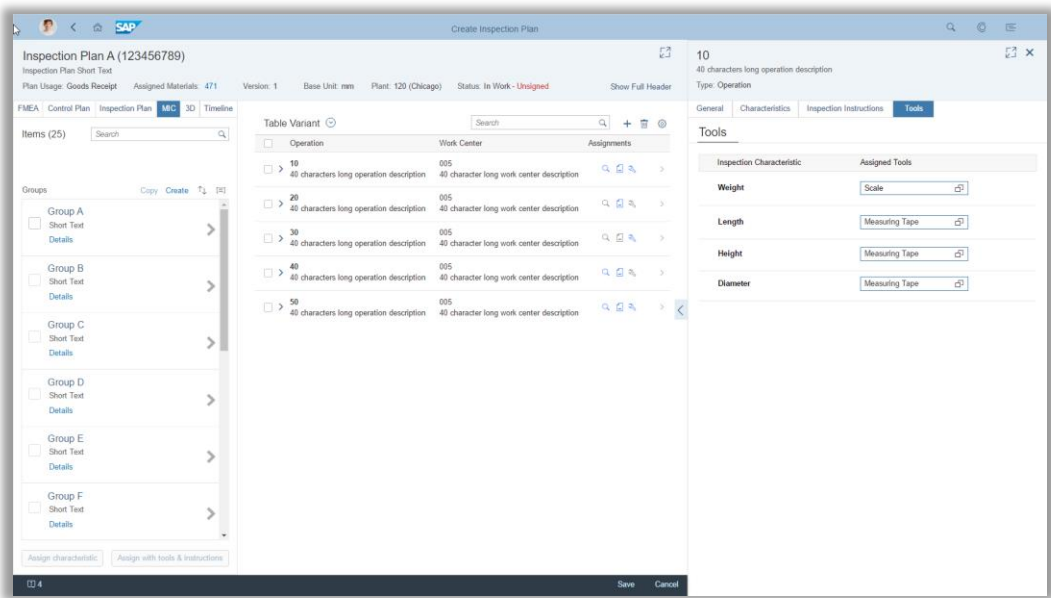


CEI - Inspection Planning in SAP S/4HANA Cloud and SAP S/4HANA

Goal

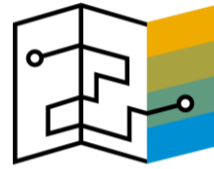
Validation of the detailed business scenarios related to Inspection Planning to build it in the direction of Intelligent ERP. Evaluate the points where Inspection Plan can be made more intelligent and smart.

<https://influence.sap.com/sap/ino/#/campaign/1471>



Miscellaneous

QM in SAP S/4HANA Roadmaps



Link www.sap.com/roadmaps

The screenshot shows the SAP Roadmaps website interface. At the top, there is a navigation bar with links for Products, Industries, Support, Training, Community, Developer, Partner, and About. Below this, the main heading reads "All Road Maps". A search bar contains the text "SAP S/4HANA" and shows "13 results" and a "Sort by A-Z" dropdown menu. Below the search bar, a list of roadmaps is displayed, including "SAP S/4HANA Cloud Road Map", "SAP S/4HANA Manufacturing Road Map", "SAP S/4HANA Manufacturing Webinar", and "SAP S/4HANA Road Map".

Browse all Road Maps

Search by "SAP S/4HANA"

13 results Sort by A-Z

- SAP S/4HANA Cloud Road Map
- SAP S/4HANA Manufacturing Road Map
- SAP S/4HANA Manufacturing Webinar
- SAP S/4HANA Road Map

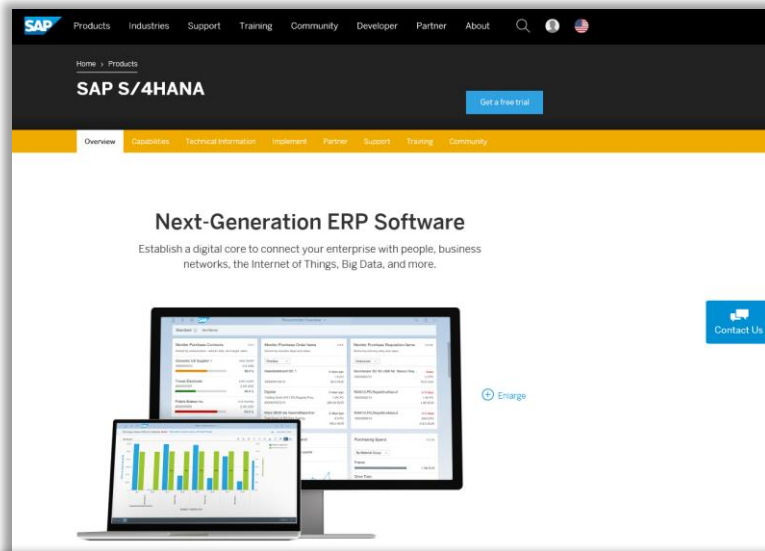
See Chapter: SAP S/4HANA Cloud LoB: Manufacturing and supply chain (3/4)

See Chapter: SAP S/4HANA LoB: LoB: Manufacturing (2/3) – quality management

S/4HANA

General Information

Link <http://sap.com/s4hana>



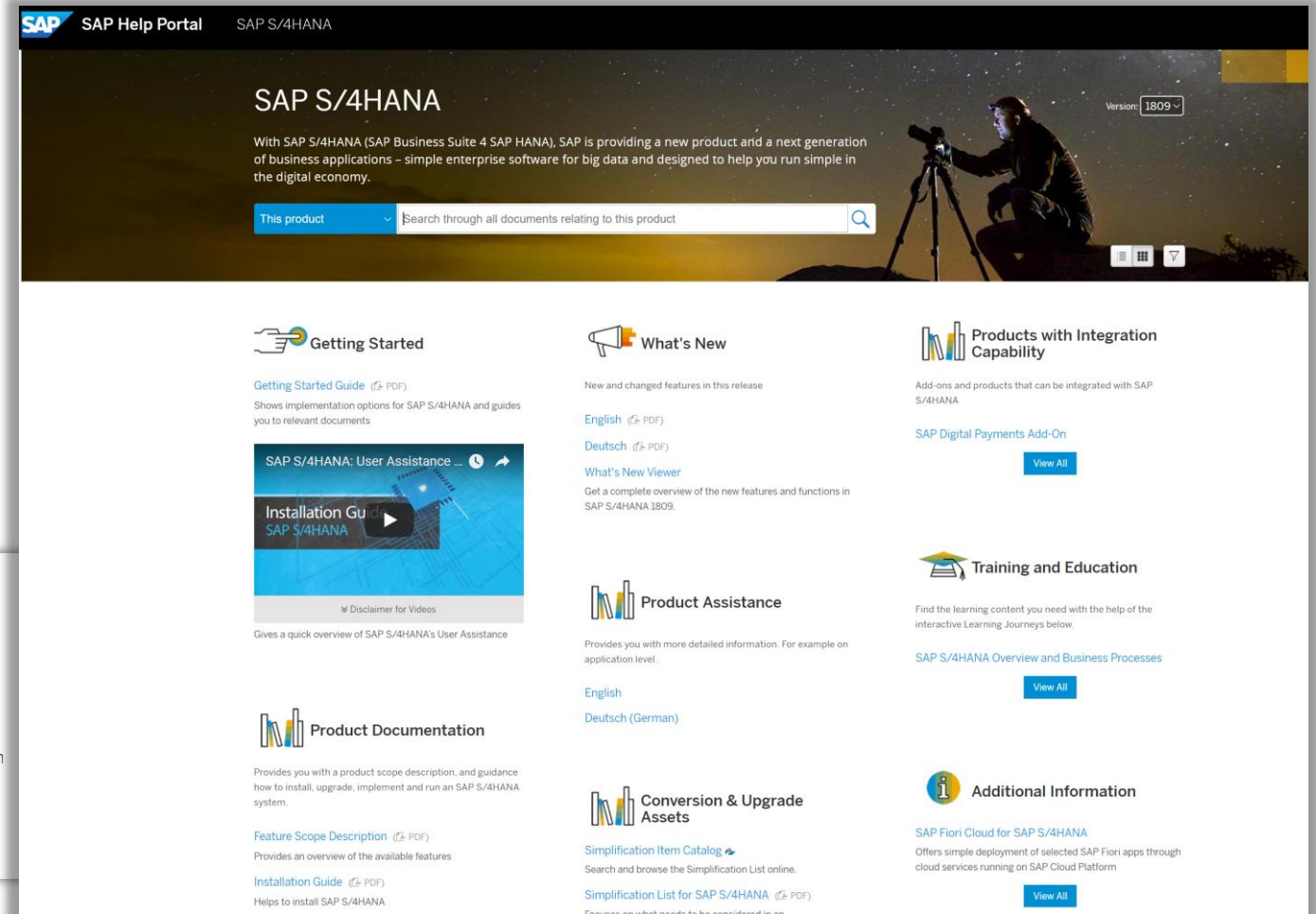
SAP S/4HANA

An intelligent ERP suite designed specifically for in-memory computing. SAP S/4HANA offers a personalized, consumer-grade user experience with SAP Fiori. No matter your industry or business size, SAP S/4HANA can help you drive instant value across all lines of business.

- On-premise and private cloud environments, as part of SAP's Cloud ERP portfolio
- Data-driven decisions with predictive analytics
- Improved automation, efficiency, and agility through machine learning
- Integration between headquarters and subsidiaries with two-tier deployment

[Start your free trial](#)

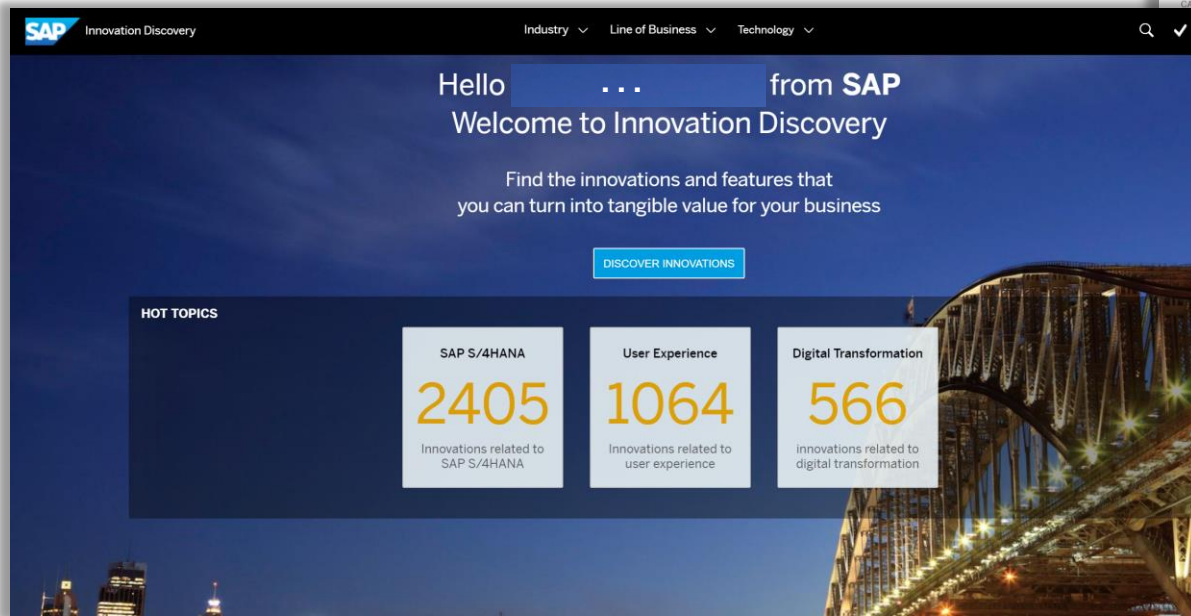
Link <https://help.sap.com/s4hana>



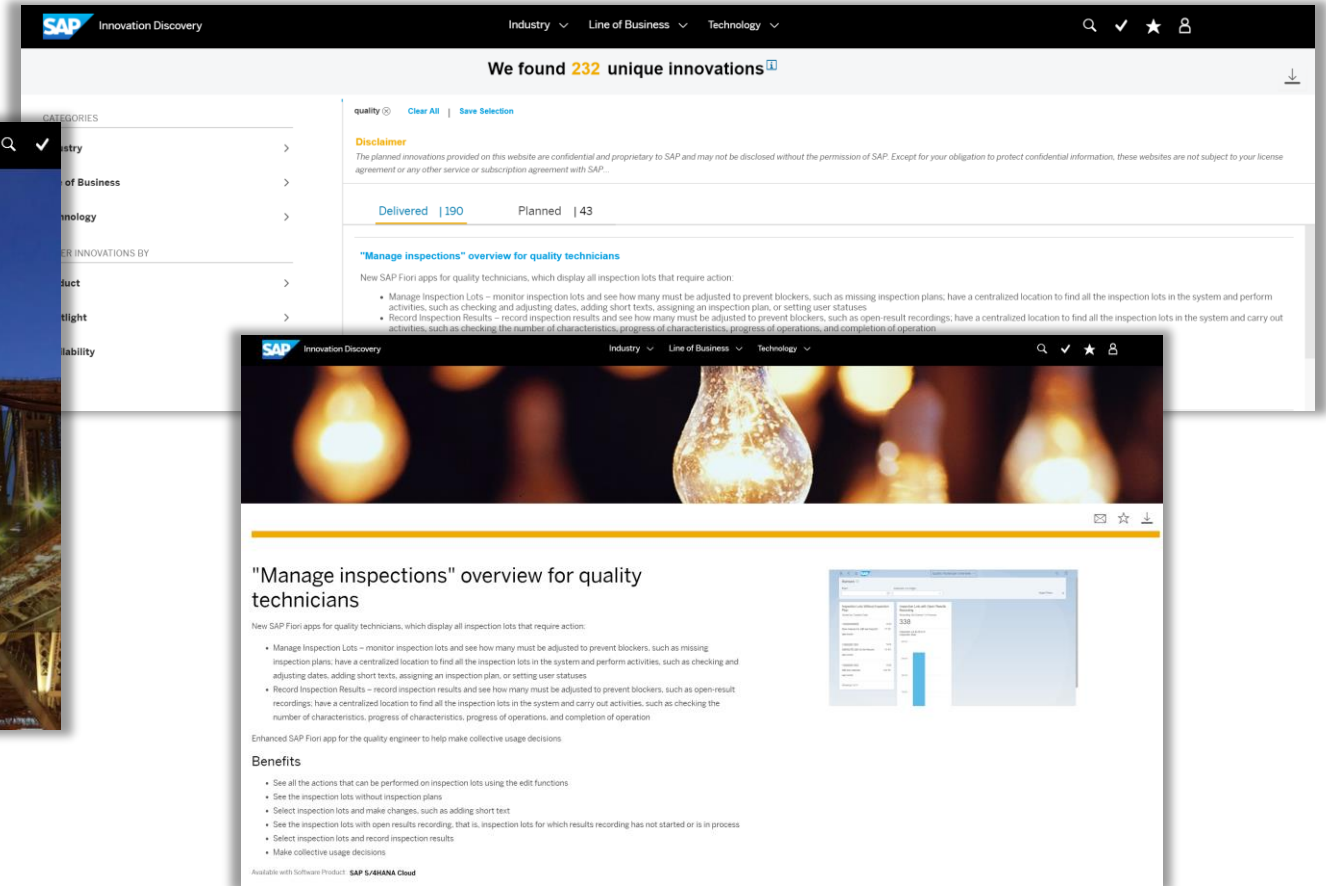
SAP QM in S/4HANA

Innovation Discovery (Planned and Delivered Innovations)

Link <https://go.support.sap.com/innovationdiscovery/>



Search by line of business, industry, or search terms e.g. "Quality"



Additional information with details, screenshots, benefits, product features, and availability

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