



SAP Master Data Governance on SAP S/4HANA 1809

What's New?

September 2018

CUSTOMER

SAP Master Data Governance

Product overview

SAP Master Data Governance is a **state-of-the-art master data management application**, providing **preconfigured**, domain-specific master data governance to **centrally** create, change, and distribute or to **consolidate** master data across your **complete enterprise system landscape** and to actively manage **master data quality**.

There are two versions: **SAP Master Data Governance on SAP S/4HANA** and **SAP Master Data Governance** (technically on SAP ERP 6.0).

Central governance or consolidation for consistent master data

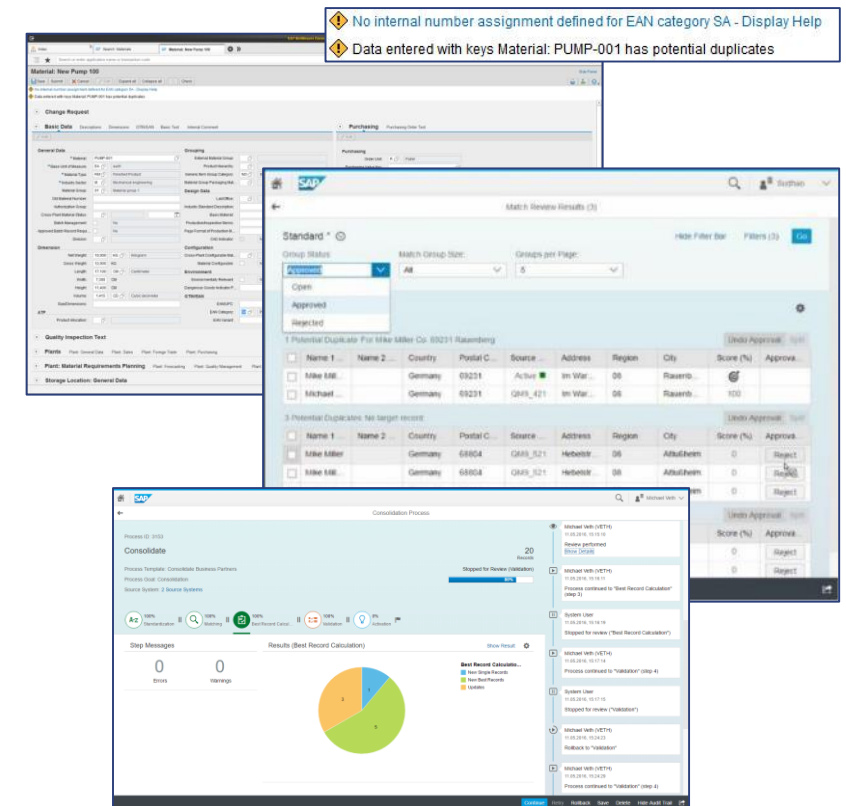
- Enables centralized governance, compliance, and transparency of master data during creation and change through integrated staging, approval, and central audit trail
- Delivers consistent definition, authorization, and replication of key master data entities
- Eliminates error-prone manual maintenance processes for master data in multiple systems
- Supports consolidation of decentralized master data in any enterprise system landscape to create best records and key mapping between duplicates
- Optionally combines consolidation with central governance for sustained master data quality

Integration and reuse

- Native integration and openness to integrate 3rd-party services
- Reuse of SAP data model, existing business logic, and configuration for data validation
- Open application to manage your own master data flexibly also for non-SAP environments

Data quality management & process analytics

- Collaborative business rules management and master data quality analytics and remediation
- Optional integration with HANA smart data quality, SAP Data Services, and SAP Information Steward
- Process quality analytics allowing for drill-down and investigation of root causes



SAP Master Data Governance – Innovations 2018¹

Master data excellence for the digital business

Benefit in performing enterprise master data management with MDG innovations across key disciplines such as **master data consolidation**, **central governance**, **mass processing**, and **master data quality management**.

Master data consolidation and mass processing

- Multiple vendor and customer assignments of business partners*
- Classification data of materials, customers, vendors in mass processing

Central master data governance

- Financial Data: Adopt S/4HANA universal journal, i.e. G/L accounts as basis for cost element*; support for new domain: internal order
- Product: Adopt S/4HANA simplifications and industry-specific enhancements*
- Business Partner: Integration with SAP S/4HANA Cloud for Data Enrichment and enhancement in multiple customer and vendor assignments

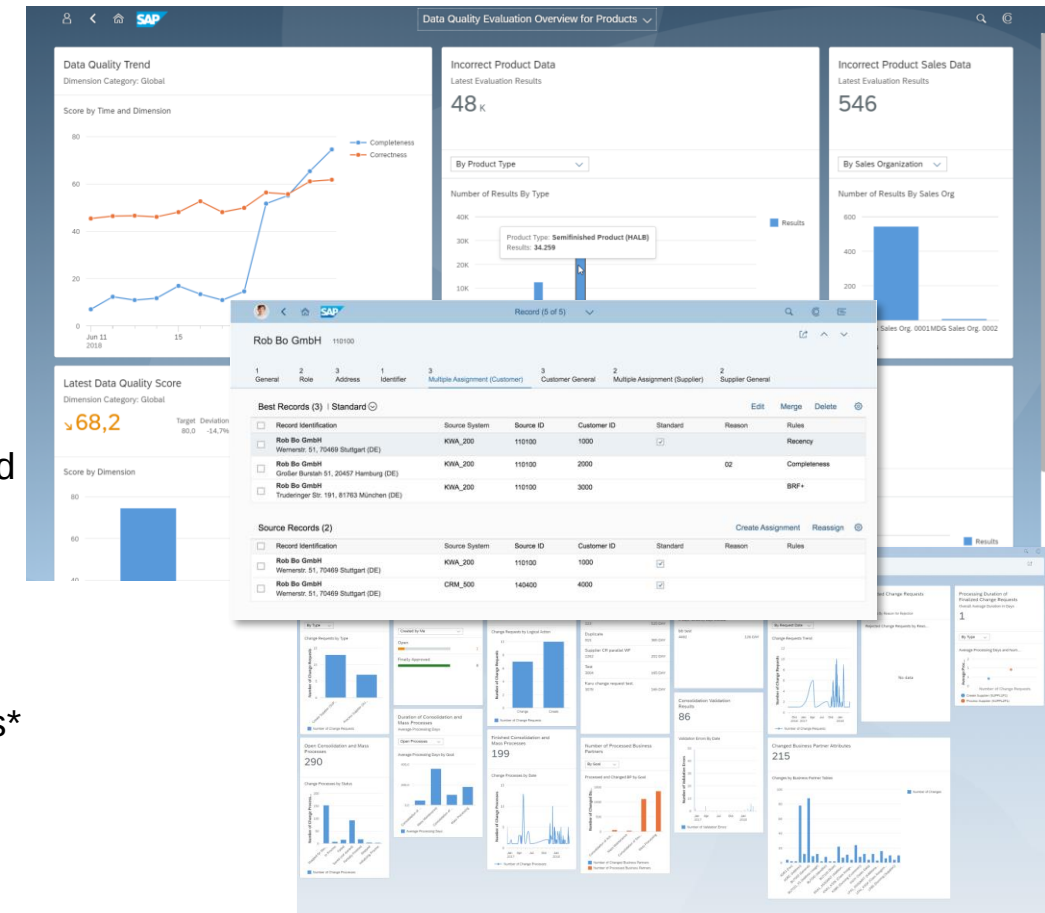
Data quality management

- Manage business rules in collaboration of business users and data stewards*
- Measure and analyze data quality and trends*
- Correction of data quality issues supported by worklists and embedded analytics*

Process analytics

- Enhanced SAP Fiori user experience in process analytics*

1) All innovations provided in SAP MDG on SAP S/4HANA 1809, innovations marked by an asterisk are not planned for SAP MDG on SAP ERP



Innovation Areas:

Consolidation

Mass Processing

Central Governance

Process Analytics

Data Quality Management

Innovations in consolidation



Consolidation of master data

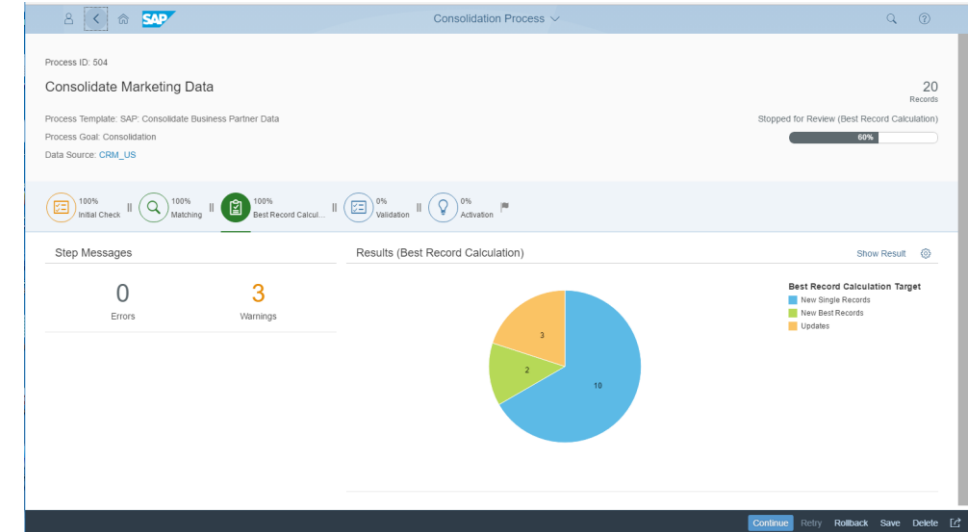
Support for multiple vendor and customer assignments and process enhancements*

Innovations:

- Support of multiple assignments for vendors and customers*
- Deletion capability in best record calculation
- Re-validation of data after manual changes
- Search and display changes of active records

Business value:

- Enhanced consolidation of business partner data by integration of multiple vendor and customer assignments in the identification of duplicates and calculation of best records
- More process flexibility by applying manual data changes



The screenshot shows the 'Match Review Result' interface in SAP. It displays match groups for 'Address Data' with 2 filters. The table shows 4 potential duplicates for Swat Match Group C / 234567 UP and 4 potential duplicates for Swat Match Group D / 87654 FRANKFURT. The table columns are: Business Partner, Name 1 / Last Name, City, Match Decision, Rule, Score (%), and Approval Action.

Business Partner	Name 1 / Last Name	City	Match Decision	Rule	Score (%)	Approval Action
15758	Swat Match Group C	UP	Best Record	Organization & Address	95	Set as Target
15760	Swat Match Group C	UP	Match	Organization & Address	94	Set as Target
15759	Swat Match Group C	UP		Organization & Address	94	Set as Target
15761	Swat Match Group C	UP			No score	Set as Target
15762	Swat Match Group D	FRANKFURT	Best Record	Organization & Address	96	Set as Target
15764	Swat Match Group D	FRANKFURT	Match	Organization & Address	94	Set as Target
15765	Swat Match Group D	FRANKFURT		Organization & Address	94	Set as Target

Innovations in mass processing



Mass processing of master data

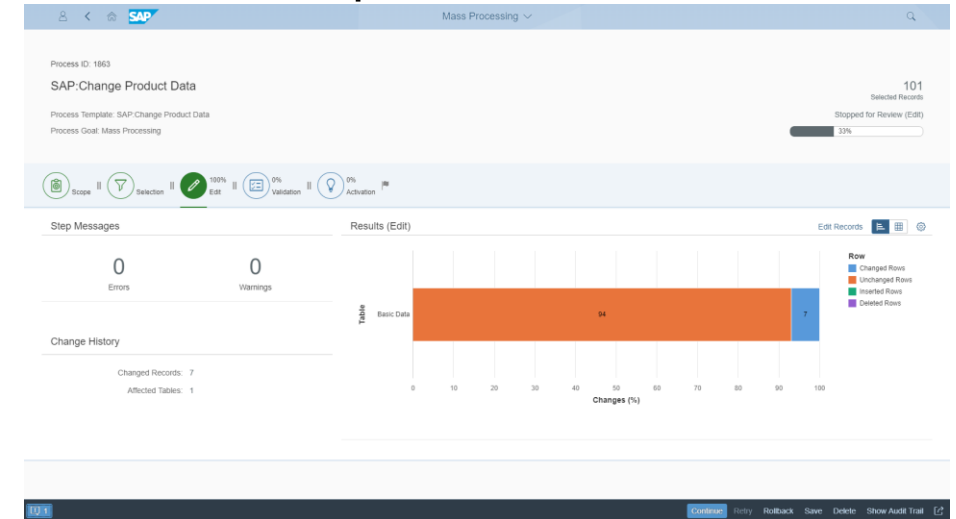
Support for multiple vendor and customer assignments, classification and process enhancements

Innovations:

- Support of multiple assignments for vendors and customers*
- Change classification data in mass processes
- Export of master data into spreadsheet format for offline changes and upload into a mass process
- Re-validation of data after manual changes
- Search and display changes of active records

Business value:

- Enhanced mass processing with extended scope for business partner data
- Flexibility to change classification data using a mass process



Standard *
Product: Process ID: 887 Changed At: dd.MM.yyyy - dd.MM.yyyy

Changed Records (3)

Product	Date	Time
Screw M8 Length: 10mm SCREW001	27.06.2018	12:46:11
Screw M8 Length: 10mm SCREW002	27.06.2018	12:46:11
Screw M10 x 18 mm SCREW003	27.06.2018	12:46:11

Change Screws
Process ID: 887
Process Goal: Mass Processing
Status: Completed
Records: 3
[Display Process](#)

Process ID	Process Goal
887	Mass Processing
887	Mass Processing
887	Mass Processing

Innovations in central governance



Central governance of financial master data

Central governance for internal order master data

Innovations:

With release 1809, SAP MDG on SAP S/4HANA covers:

- Central maintenance and governance of internal order master data
- Replicating internal orders via IDOC or SOA* from MDG system
- Receiving internal orders via IDOC or SOA into SAP S/4HANA, via IDOC into SAP ERP
- Initial load of internal orders into MDG (e.g. from SAP ERP or SAP S/4HANA)

Business value:

- Centralized governance, compliance and transparency of master data during creation and change through integrated staging, approval and central audit trail
- Consistent definition, authorization and replication of internal order master data, keeps data consistent cross systems
- Elimination of error-prone manual maintenance processes for internal order master data in multiple systems

The screenshot displays the SAP MDG 'Internal Order: 200220' maintenance interface. The top toolbar includes buttons for 'Save', 'Finalize Processing', 'Send for Revision', 'Cancel', 'Show', 'Check', 'Change Documents', and 'Workflow Log'. The 'General Data' section contains fields for Controlling Area (0001), Order Type (0200), Order Description (200220), Applicant, Applicant Telephone, Application Date, and Department. It also shows Estimated Costs (35,600.00), Currency (EUR), Processing Group (01), Person Responsible, Person Responsible Telephone, Work Start, End of Work, and Work Approval. The 'Audit Information' section shows the creation date and time (09.07.2018 12:17:11). The 'Assignments' section includes 'Organizational Assignments' (Company Code, Business Area, Plant, Functional Area, Object Class, Profit Center, Responsible Cost Center, User Responsible) and 'Requested By' (Requesting Cost Center, Requesting Company Code, Requesting Order). The 'Links' section includes WBS Element, Sales Order, and External Order No. The 'Status' section shows System Status (Created), Archive Status, and Locked Status. The 'Control' section includes Order Category (01), Statistical flag, Actual Posted Cost Center, Integrated Planning, Revenue Postings, and Commitment Update.

Central governance of financial master data

Merge cost element into G/L account*

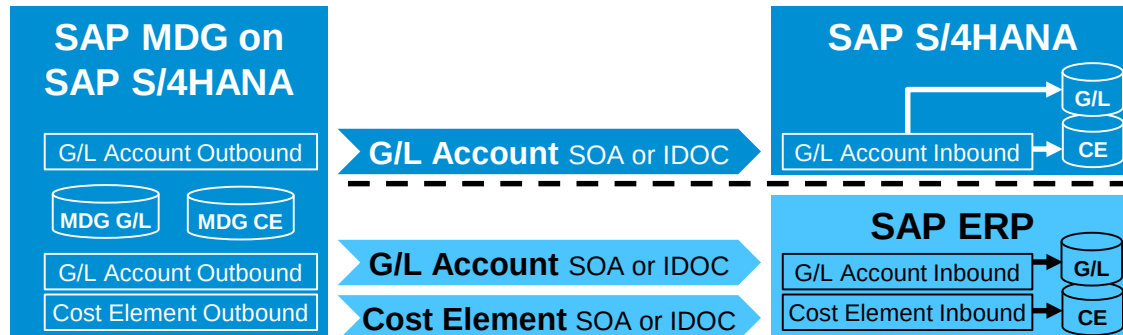
Innovations:

SAP MDG on SAP S/4HANA 1809 covers:

- Central maintenance of controlling data (cost element) integrated into the G/L Account user interface
- Replication of cost element data to S/4HANA can be done via the G/L Account IDOC and SOA service

Business value:

- Simplified maintenance of financial master data
- Harmonized behavior as in SAP S/4HANA
- Simplified replication channel to lower TCO



G/L Account: INT/1312, Sample Primary Account

Save Submit Cancel Show Check Undo Redo

General Data

Chart of Accounts: INT Sample chart of accounts
Account / Name: 1312 Sample Primary Account
Long Text: This one is english though

Administrative Data

New Account:
User Responsible:
Person Responsible:
Created On/By: 03.04.2018 10:52:47
Changed On/By: 20.04.2018 09:28:51

Control Data

* Account Group: GI General G/L Accounts
Account Type: Primary Costs or Revenue
* P&L Statement Account ...: G
Functional Area:

Account Descriptions

Account Consolidation Details

Account in Company Codes Copy New

Actions	Ch...	Company Code	Company Code Description
Details		0001	SAP A.G.
Details		0003	SAP US (IS-HT-SW)
Details		AE01	Country Template AE
Details		AR01	Country Template AR
Details		ARG1	Country Template AR

< Back 1 2 Forward >

Controlling Data Edit Generate

Actions	Ch...	Controlling Area	Cost Element Cate...	Cost Element Cate...	Unit of Measure	Unit of Measure D...	Record Quantity
Changes		0001	1	Primary costs/cost-re...	%	%	
Changes		0003	4	Accrual/deferral per d...			
Changes		AE01	12	Sales deduction			

Cost Elements in SAP ERP

Central governance of master data

Scope enhancements and simplifications for business partner and material domains

Innovations:

With release 1809, SAP S/4HANA has increased data coverage in central governance for...

...business partner:

- Use of newly added customers and vendors for a business partner as references for partner functions within the same change request*
- Load and replication of contract accounts (FI-CA) via service-oriented architecture (SOA) service

...and material domains:

- Adoption of enhancements and simplifications of SAP S/4HANA for the MDG for material application*
- Defaulting of search engine SAP HANA-based search for MDG for material*

The screenshot displays the 'ERP Customer Sales Area: Customer Groups' interface. On the left, there are fields for 'Customer Group 1', 'Customer Group 3', and 'Customer Group 5'. Below this is a table for 'ERP Customer Sales Area: Partner Functions' with columns for 'Actions', 'Partner Function', 'Partner Function Description', 'Same Partner', and 'Partner'. The table lists functions: SP (Sold-to party), BP (Bill-to party), PY (Payer), and SH (Ship-to party). A red box highlights the 'Partner' column for the 'SH' function. On the right, a 'Search: Partner' window is open, showing search criteria: Sales Organization (0001), Distribution Channel (01), Division (01), and Name (ckc*). Below the search criteria is a table with 3 results found for Partner, listing details like Number, Assignment ID, Name, Search Term 1, Coun., Postal Code, City, and Street.

The screenshot shows the 'Material: New Vertical multistage centrifugal pump; Plant: 0001' interface. It includes a navigation pane on the left with options like 'Expand all', 'Collapse all', and 'Assignment Block: Plant: Advanced Planning'. The main area displays various configuration fields for the material, including 'Lot Size', 'Lot Size Unit', 'Replenishment Lead Time (Days)', 'Planning Calendar', 'Target Days' Supply (Days)', 'Reorder Days' Supply (Days)', 'Goods Receipt/Issue (Processing Time in Days)', 'Goods Receipt Processing Time (Days)', 'Goods Receipt Handling Capacity Consumption', 'Goods Issue Processing Time (Days)', 'Goods Issue Handling Capacity Consumption', 'Location Dependent Shelf Life', 'Shelf Life (Location)', 'Location Dependent Maturity Time (Days)', 'Location Dependent Shelf Life (Days)', 'Minimum Shelf Life (Days)', and 'Maximum Shelf Life (Days)'. There are also checkboxes for 'Avoid Alerts', 'Alert Threshold for Lateness', 'Alert Threshold for Earliness', 'Product Alerts', 'Pegging Strategy', and 'Fixed Pegging'.

Central governance of business partner, customer, supplier master data

Enrichment via SAP S/4HANA Cloud for data enrichment

Innovations:

Though integration with SAP S/4HANA Cloud for data enrichment you can enrich master data with name, address and identification information from external data providers, when...

- ...creating a new business partner, customer or supplier master data record
- ...changing an existing business partner, customer or supplier master data record

Business value:

- Leverage value added insights via business partner information provided by external data providers, like Dun & Bradstreet
- Considerably reduce the risk of errors in manual data creation

Organization: \$763, SAP / banga

BP Enrichment

Checked Record

BusinessPartner	Name	D&B Number	House Number	Street	Postal Code	City	Country
\$763	SAP					bangalore	India

Matched Records

External ID	Name	D&B Number	Street	Postal Code	City	Country	Score
275	SAP CORPORATION	85867858	33NS VILE PARLE W	400056	Mumbai	INDIA	70
276	SAP & CO	860634276	3 10 25/6 RTC COLONY RAMANTHAPUR	500013	Hyderabad	INDIA	70
277	Sap Incorporate	86988062	D-2271 Indira Nagar, Lko	226020	Lucknow	INDIA	70

Continue Use Original Cancel

Organization: \$763, SAP / banga

BP Enrichment

Basic Data

Field Name	Current Internal Data	Available External Data	Import
Name	SAP	SAP & CO	☒
D&B Number		860634276	☐

Address

Field Name	Current Internal Data	Available External Data	Import
Current Address	bangalore	RAMANTHAPUR 3 10 25/6 RTC COLONY Hyderabad 50...	☒

Enrich Cancel

Innovations in **process analytics**



Enhanced SAP Fiori user experience in process analytics*

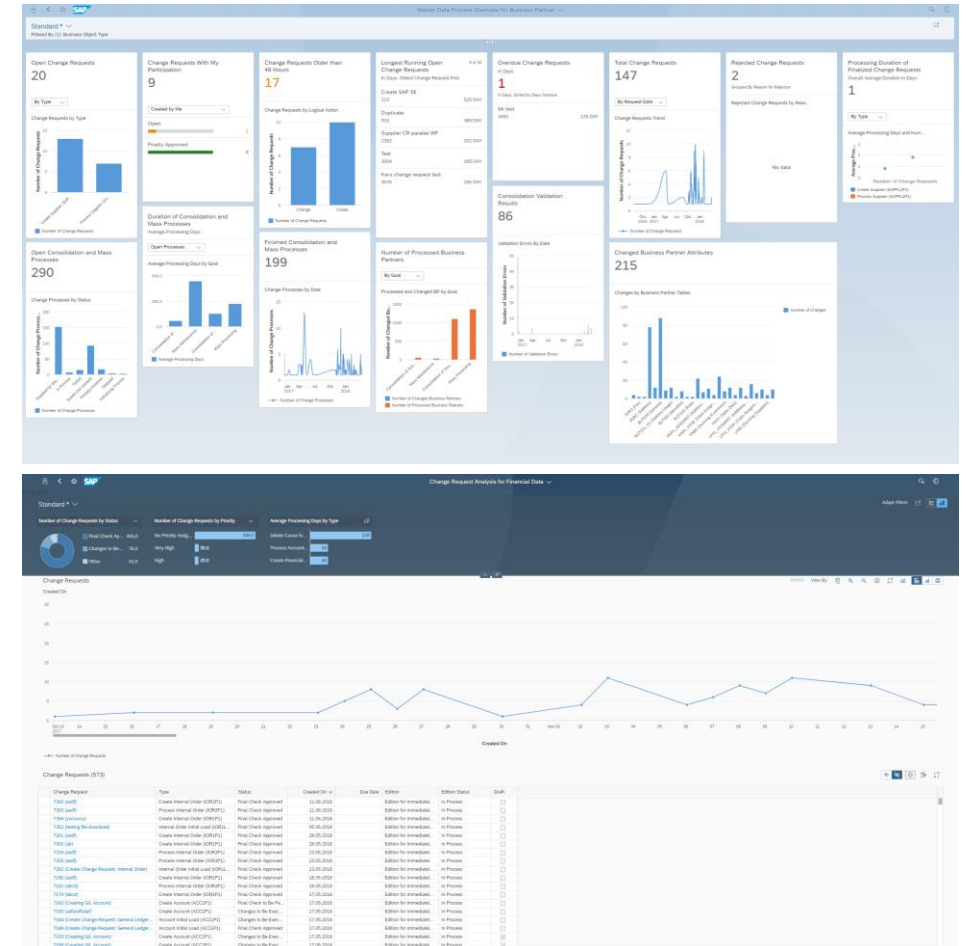
Innovations:

With release 1809, SAP S/4HANA has increased SAP Fiori-based process analytics for governing master data, including:

- Summary dashboard and analytical list pages displaying relevant process information at a glance

Business value:

- One-stop information on prevailing process quality in central governance, consolidation, and mass processing
- Intuitive navigation and drill down for detailed analysis of process-quality issues



Innovations in data quality management



Master data quality management

Managing data quality rules*

Innovations:

With release 1809, SAP S/4HANA provides data quality management for product master data, including:

- Repository to catalog and define data-quality rules
- Comprehensive description of rules, including business aspects, ownership, and rule implementations
- Collaboration and status handling during the lifecycle of rules, from creation to sunset

Business value:

- Central place for data-quality rules for product master data
- Transparency on business aspects, usages and technical implementations of rules

The screenshot displays the SAP S/4HANA Data Quality Management interface. On the left, a list of data quality rules is shown, including 'ZMDQ Material Price Group matches Product Division' and 'ZMDQ Sales Item Catgrp for ...'. The right pane provides a detailed view of the 'ZMDQ Material Price Group matches Product Division' rule. This view includes a header with the rule name and ID, a score of 9.1, and a status of 'Active'. Below this, there are tabs for 'General Information', 'Dimensions', 'Evaluation', 'Implementation', 'Central Governance', and 'Administrative Data'. The 'General Information' tab is currently selected, showing business details such as the business description, business reason, scope, and link. It also lists contacts like the rule owner, implementation expert, business contact, and data owner. The 'Dimensions' tab at the bottom shows a table with columns for Dimension, Category, and Impact, with a note indicating 'No dimensions assigned'.

Master data quality management

Measuring and analyzing data quality*

Innovations:

With release 1809, SAP S/4HANA provides data quality management for product master data, including:

- Evaluation of master data using data-quality rules
- Analysis of incorrect data and correction of identified issues
- Definition of data-quality scores as KPIs for master data management
- Reporting and analysis of scores

Business value:

- Consistent quality definition for product master data
- Continuous data-quality evaluation and monitoring



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