

Itego

SAP



Reference Data Management (RDM) for SAP MDG

Why companies need it and how they use it

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WHY

companies need it

What is reference data?

Definition

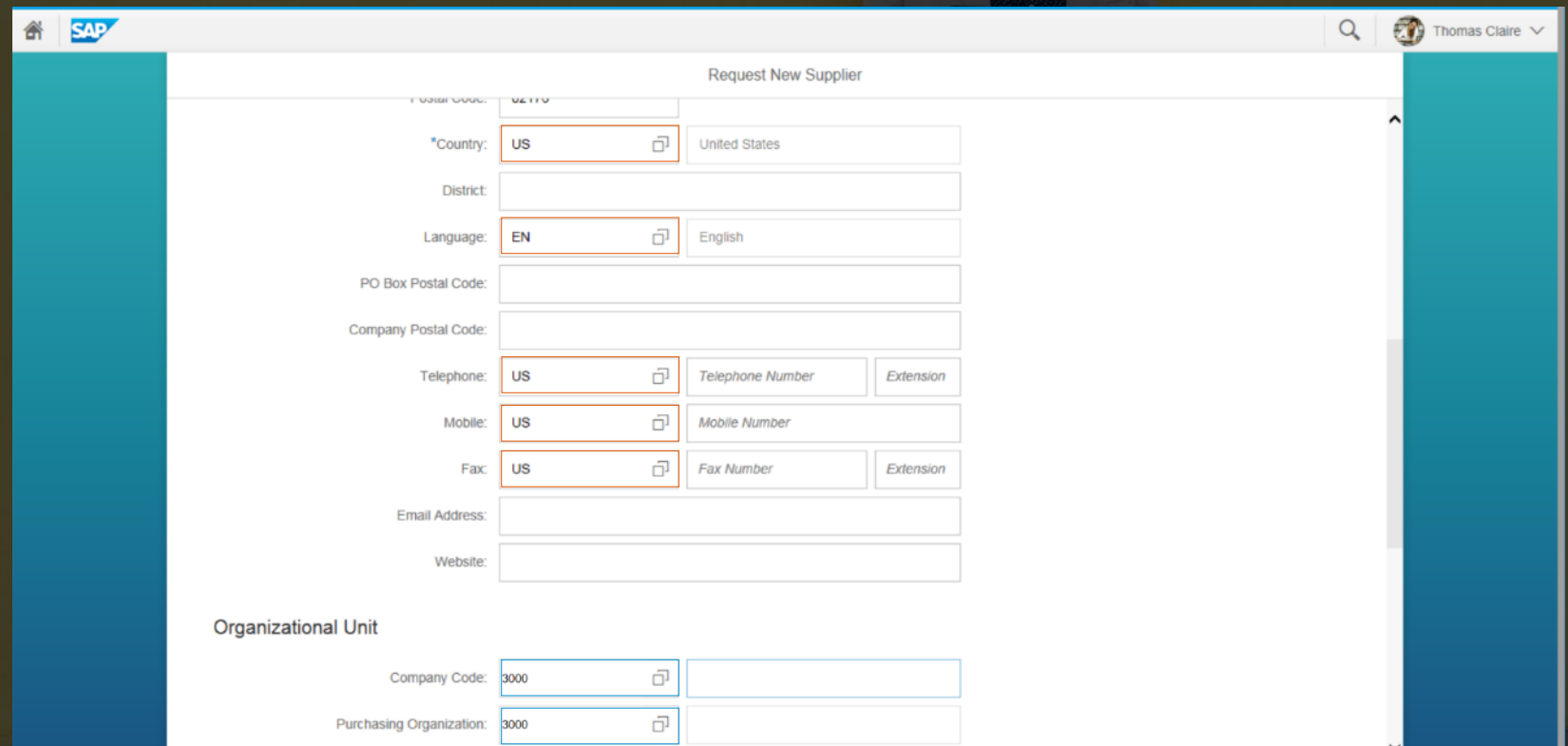
Reference data are data that define the set of permissible values to be used by other data fields (source Wikipedia)

EXTERNAL REFERENCE DATA

Defined by standards organizations, such as country code defined in ISO 3166-1

INTERNAL REFERENCE DATA

Organization specific reference data, often related to a structure (reporting, legal, accounting, etc.) within the organization



The screenshot displays the SAP 'Request New Supplier' form. The form includes several fields with dropdown menus for reference data, each highlighted with a red box. The fields and their values are:

- Country: US (United States)
- Language: EN (English)
- Telephone: US (Telephone Number, Extension)
- Mobile: US (Mobile Number)
- Fax: US (Fax Number, Extension)
- Company Code: 3000
- Purchasing Organization: 3000

The SAP logo and user name 'Thomas Claire' are visible in the top right corner of the interface.

Itego Reference Data Management

What and Why? Data with High Impact

Low Frequency of change
but high impact!

FREQUENCY OF CHANGE



Reference data



Master data




Conditional master data



Transaction data



Reporting



Logs

Examples

Country Code, Material Group, Payment Terms, Product Hierarchy, Plant

DEGREE OF SHARING

Source: SAP

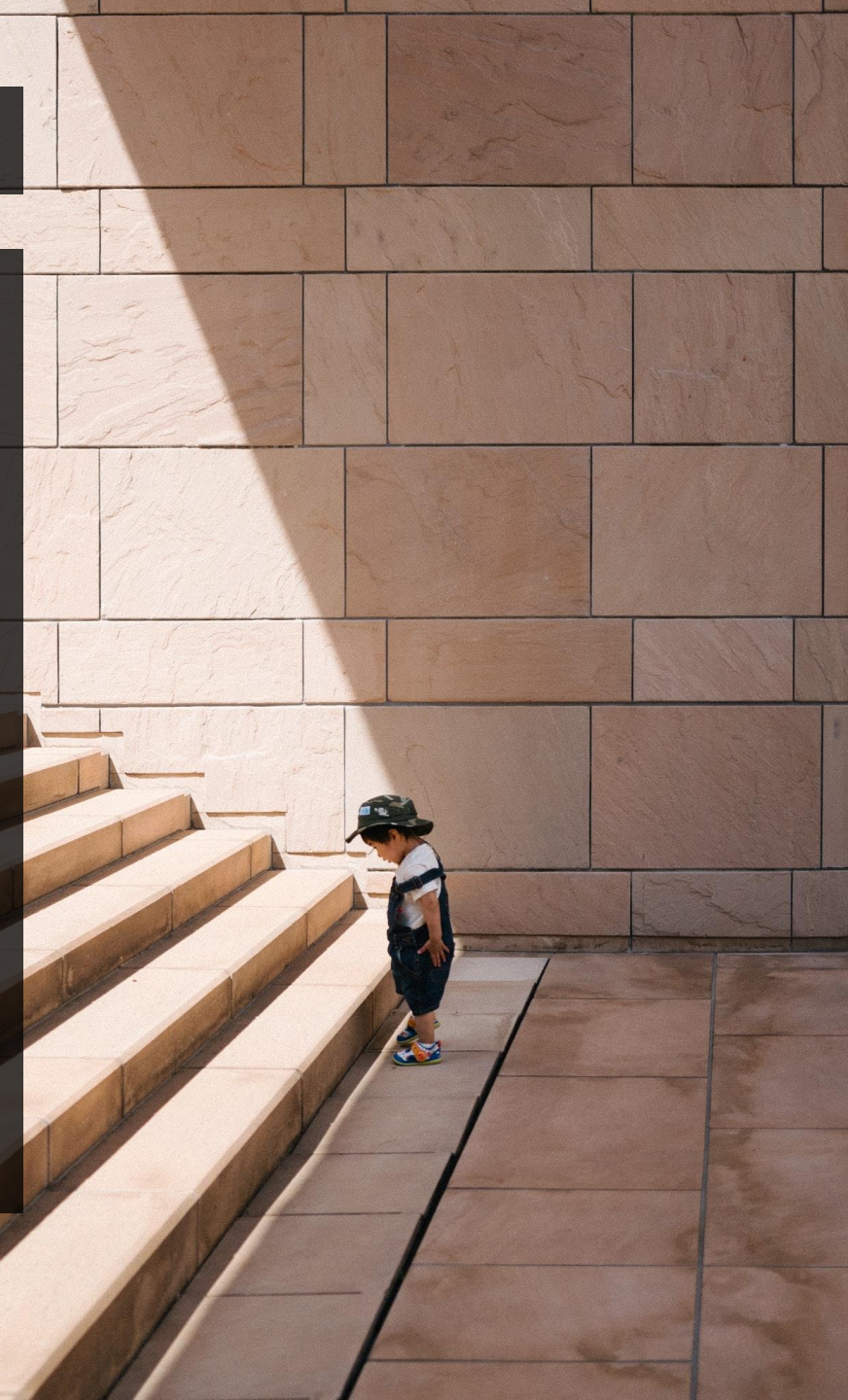
Itego RDM – Customer Feedback

Challenges with Reference Data based on

- Complex organizations and system landscapes
- Insufficient working solutions (SAP or non-SAP)
- Data Replication and Interface Complexity

Collected from these industries

- Automotive
- High Tech
- Manufacturing
- Engineering
- Retail
- Utilities
- Oil, Gas and Energy
- Food and Beverages
- Pharma
- Chemicals
- Telecommunications
- Aerospace and Defense



Itego RDM – Customer Feedback

This solution is ...

- Complete: Harmonization and Governance
- Powerful: Data Model, UI, Workflow and Replication
- Solid: out of the box standard, not a toolbox

Features

- Consolidation, synchronization and flexible data replication
- Fast, simplified, and harmonized governance process

Benefits

- Reduced business risks
- Reduced project costs and duration
- Reliable but flexible business processes
- Strategic planning based on reliable reporting





HOW
companies use it

Itego Reference Data Management for SAP MDG

Deliver Data and Process Quality step by step aligned with your MDG Roadmap



Quick Fixes / Reporting

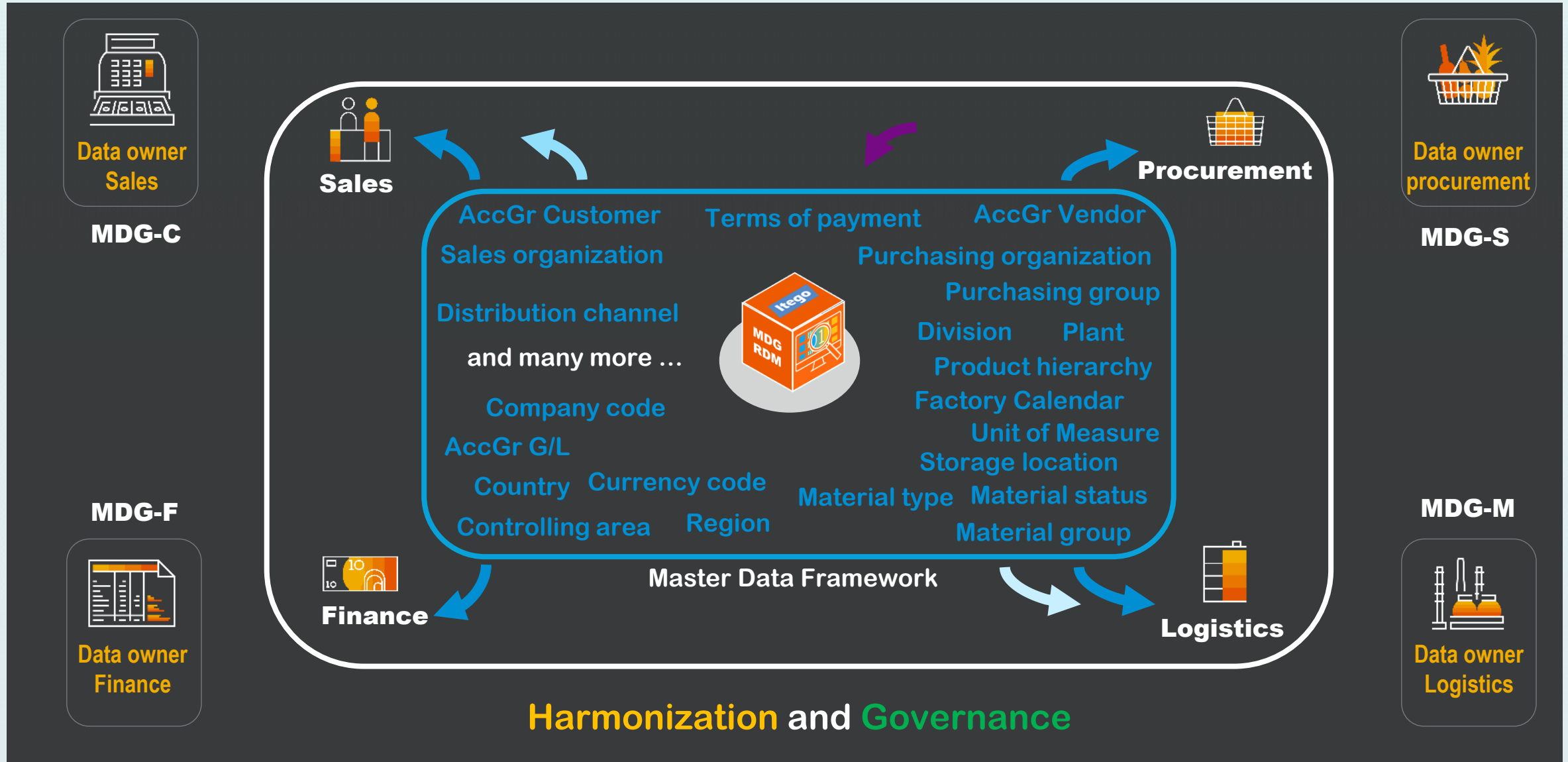
Harmonization



Governance

Itego Reference Data Management

Creating and keeping the Single Source of Truth



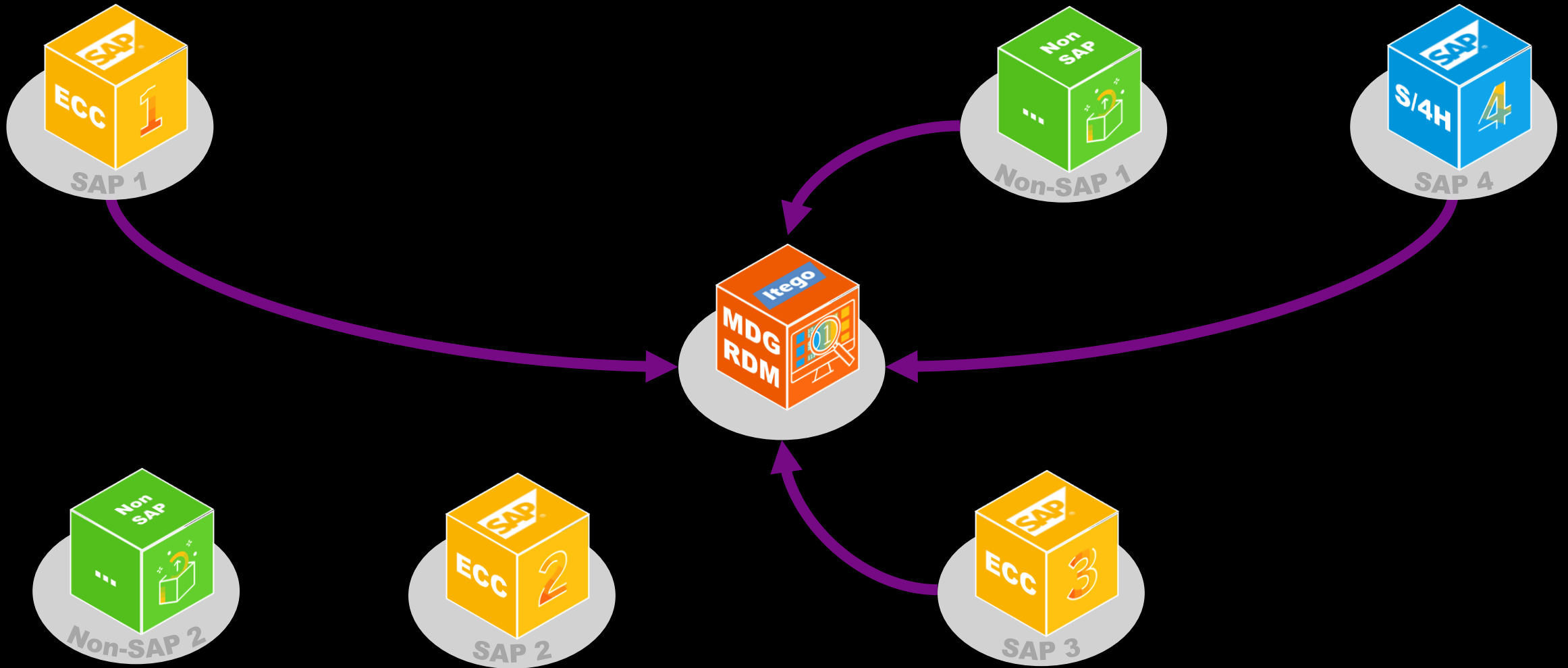


HOW

RDM Harmonization

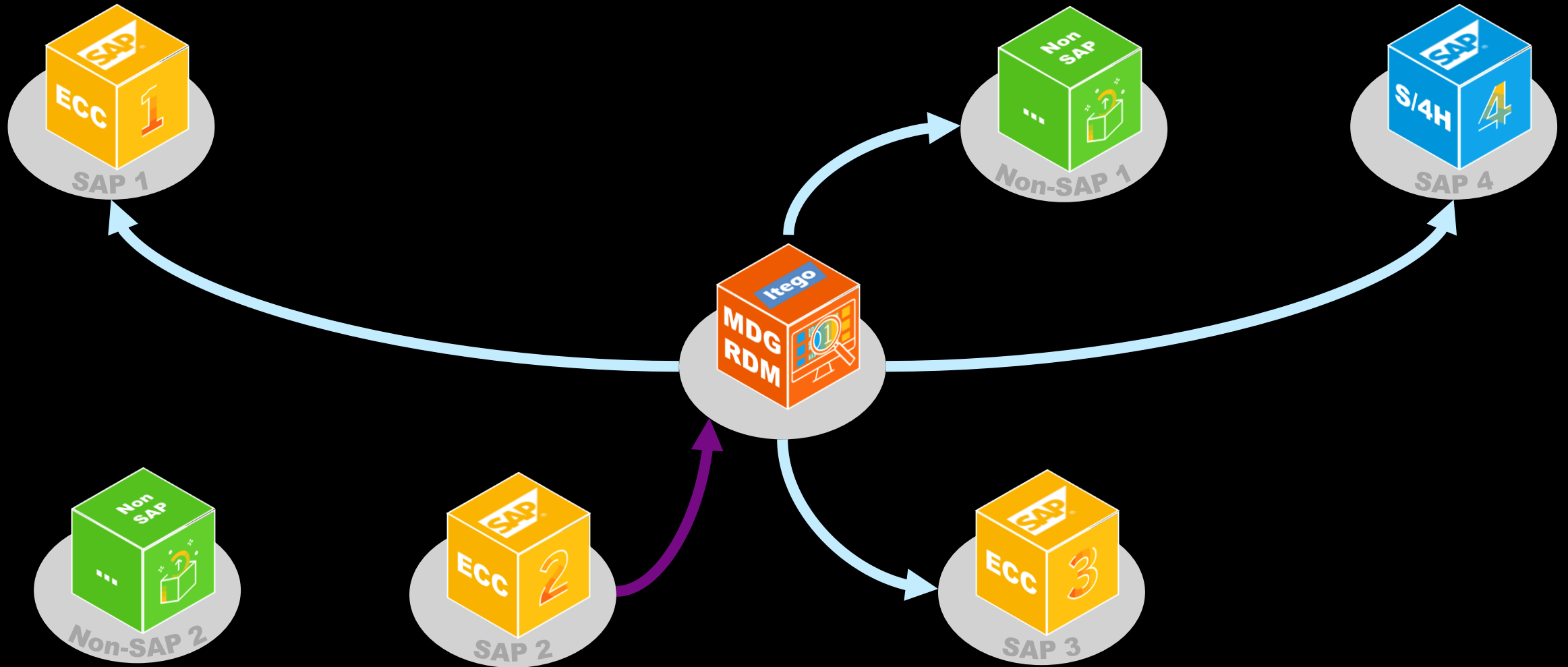
Itego Reference Data Harmonization

Step 1: Consolidation



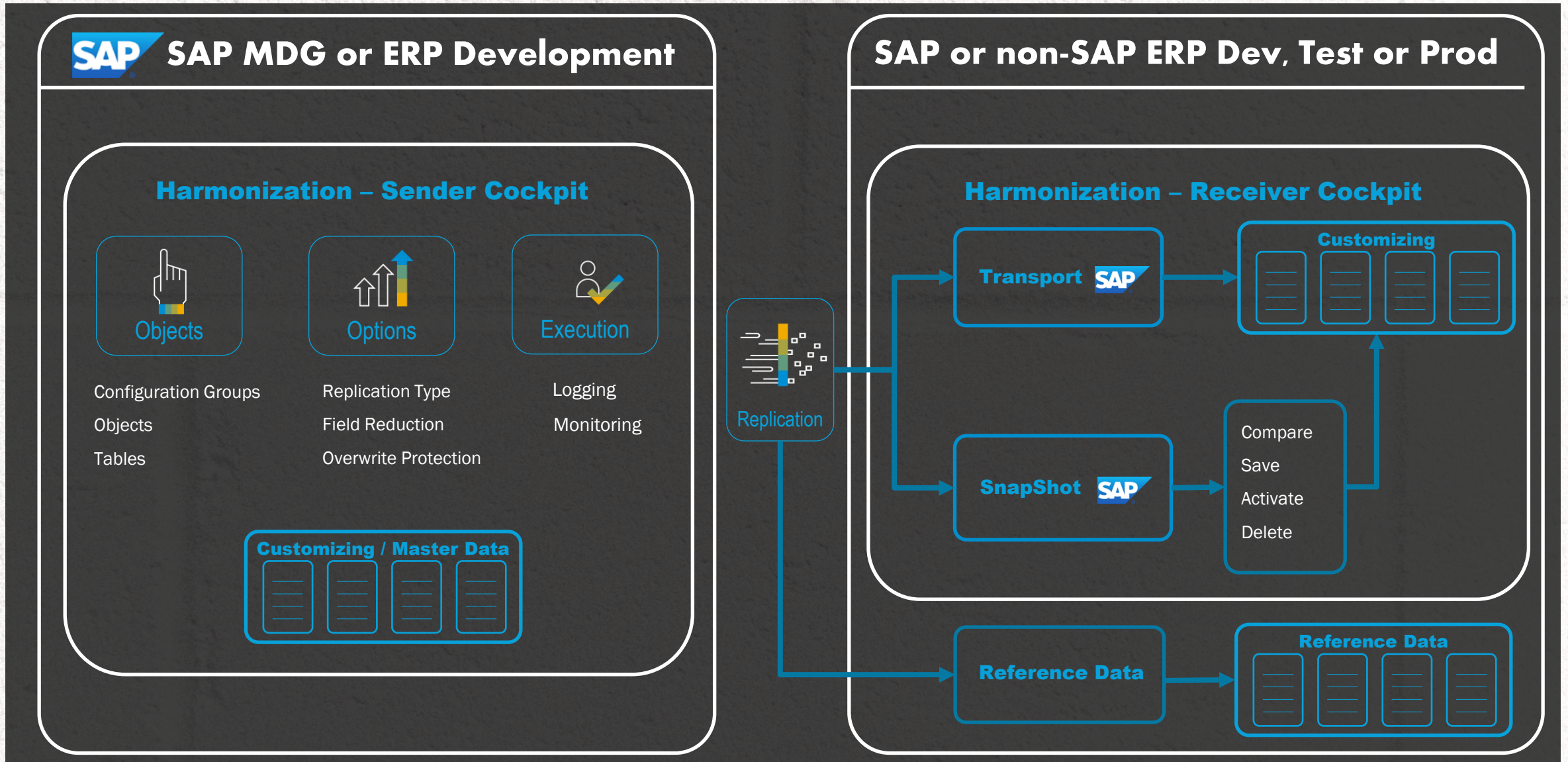
Itego Reference Data Harmonization

Step 2: Synchronization



Itego Reference Data Harmonization


Harmonization Cockpit



Itego Reference Data Harmonization

Sender Cockpit – Configuration, Sending, Monitoring

Expert Send/Receive



Groups and ForeignKeys

Configuration Groups	Foreign Keys	i
Business Objects	Recreate Foreign Keys	

Send and Activate

Send	Monitoring	i
Activation	Logging	

Settings

Field Reduction	Field Reduction	i
Overwrite Protection		

RefData Harmonization - Groups

	Configuration G...	Configuration Group Text
<input type="checkbox"/>	FUNCTIONAREA	Functional Area
<input checked="" type="checkbox"/>	SAP-MDGF	MDG-F Customizing Sync

RefData Harmonization - Objects

	Configuration G...	Table Name	Object key
<input type="checkbox"/>	SAP-MDGF	FAGL_SEG	100*
<input type="checkbox"/>	SAP-MDGF	FAGL_SEG	100*
<input type="checkbox"/>	SAP-MDGF	J_1AINFMET	100*
<input type="checkbox"/>	SAP-MDGF	J_1AINFMTX	100*
<input type="checkbox"/>	SAP-MDGF	J_1AINFSKS	100*
<input type="checkbox"/>	SAP-MDGF	SKM1	100*
<input type="checkbox"/>	SAP-MDGF	T001	100*
<input type="checkbox"/>	SAP-MDGF	T001S	100*
<input type="checkbox"/>	SAP-MDGF	T002	100*
<input type="checkbox"/>	SAP-MDGF	T003	100*
<input type="checkbox"/>	SAP-MDGF	T004	100*
<input type="checkbox"/>	SAP-MDGF	T004F	100*
<input type="checkbox"/>	SAP-MDGF	T004G	100*
<input type="checkbox"/>	SAP-MDGF	T004T	100*
<input type="checkbox"/>	SAP-MDGF	T004V	100*
<input type="checkbox"/>	SAP-MDGF	T005	100*
<input type="checkbox"/>	SAP-MDGF	T005S	100*
<input type="checkbox"/>	SAP-MDGF	T006	100*

ObjectSelection

Table(s): to:

View(s): to:

Objectgroup(s): to:

ALE / Webservice

MessageType:

* Logic
Port for W

Mode

Transfer Single Bundle

Options

Scope with address without address

Heterogen Yes No

Logging Yes No

Changes Yes No

OnlineSele Yes No

Test Yes No

DetailList Yes No


Idocs selected : 00000003

	IDoc number	Status	Status Grouping	IDoc number	Status	Partn.no.
<input type="checkbox"/>	106001	03	■	88001	53	IH1400
<input type="checkbox"/>	106002	03	■	39001	53	IR1200
<input checked="" type="checkbox"/>	106003	03	■	39002	53	IR1200

Itego Reference Data Harmonization

Receiver Cockpit – Controlled Consolidation (Comparison, Activation, Logging)

Expert Send/Receive



Groups and ForeignKeys

Configuration Groups Foreign Keys

Business Objects Recreate Foreign Keys

Send and Activate

Send Monitoring

Activation Logging

Settings

Field Reduction Field Reduction

Overwrite Protection

Compare (Overview)

- All differences
- Save Before Activate
- Set Active-Flags
- Delete Active-Flags
- Activate (all)
- Compare Addr.

Table Name	DB-Entries	AD-Entries	Short Description
TKA00	42		Control parameters for controlling areas
TKA01	39		Controlling Areas
TKA02	40		Controlling area assignment
TKA00	42		Control parameters for controlling areas
TKA01	39		Controlling Areas
TKA02	39		Controlling area assignment
TKA00	42		Control parameters for controlling areas
TKA01	39		Controlling Areas
TKA02	39		Controlling area assignment

Table	Key	Field Name	Short Description	Long Field Label	SnapShotValue	DBValue
TKA01	xxx0003	BEZEI	Name of the controlling area	Name	SAP US (is-ht-sw)	SAP US (demo)
		VNAME	Person Responsible for the Controlling Area	Person Responsible		IT_ALL_01

Table Name	DB-Entries	Short Description	DB-Only	Ind_Only	Diff	Ident
TKA00	42	Control parameters for controlling areas				42
TKA01	39	Controlling Areas			1	38

- Copy Text
- Details
- Optimize Width
- Unfreeze Columns
- Spreadsheet...
- Delete
- Compare
- Compare (Overview)
- All differences

- Copy Text
- Details
- Optimize Width
- Unfreeze Columns
- Spreadsheet...
- Activate

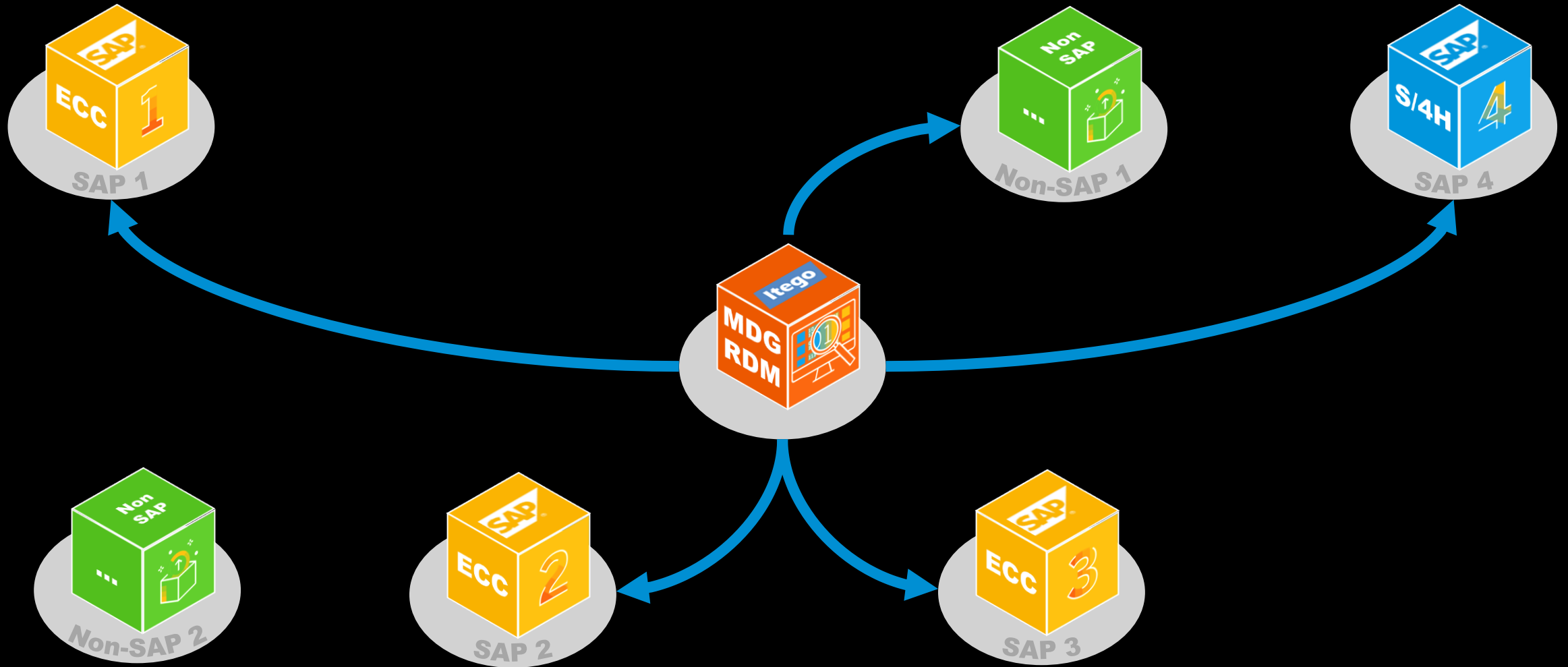
CO Area	Name	Crcy	Chart of Accts	FV
0003	SAP US (is-ht-sw)	USD	INT	K4



HOW
RDM Governance

Itego Reference Data Governance

Workflow Driven Maintenance



Itego Reference Data Governance

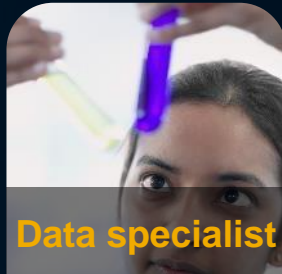
Processes for all Objects

CREATE



The data steward creates the data

REQUEST & APPROVE

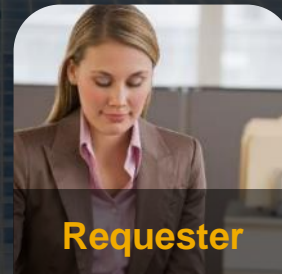


The data specialist requests and completes the data



The request is approved or rejected

REQUEST, PROCESS & APPROVE



A request for a change in the reference data is made

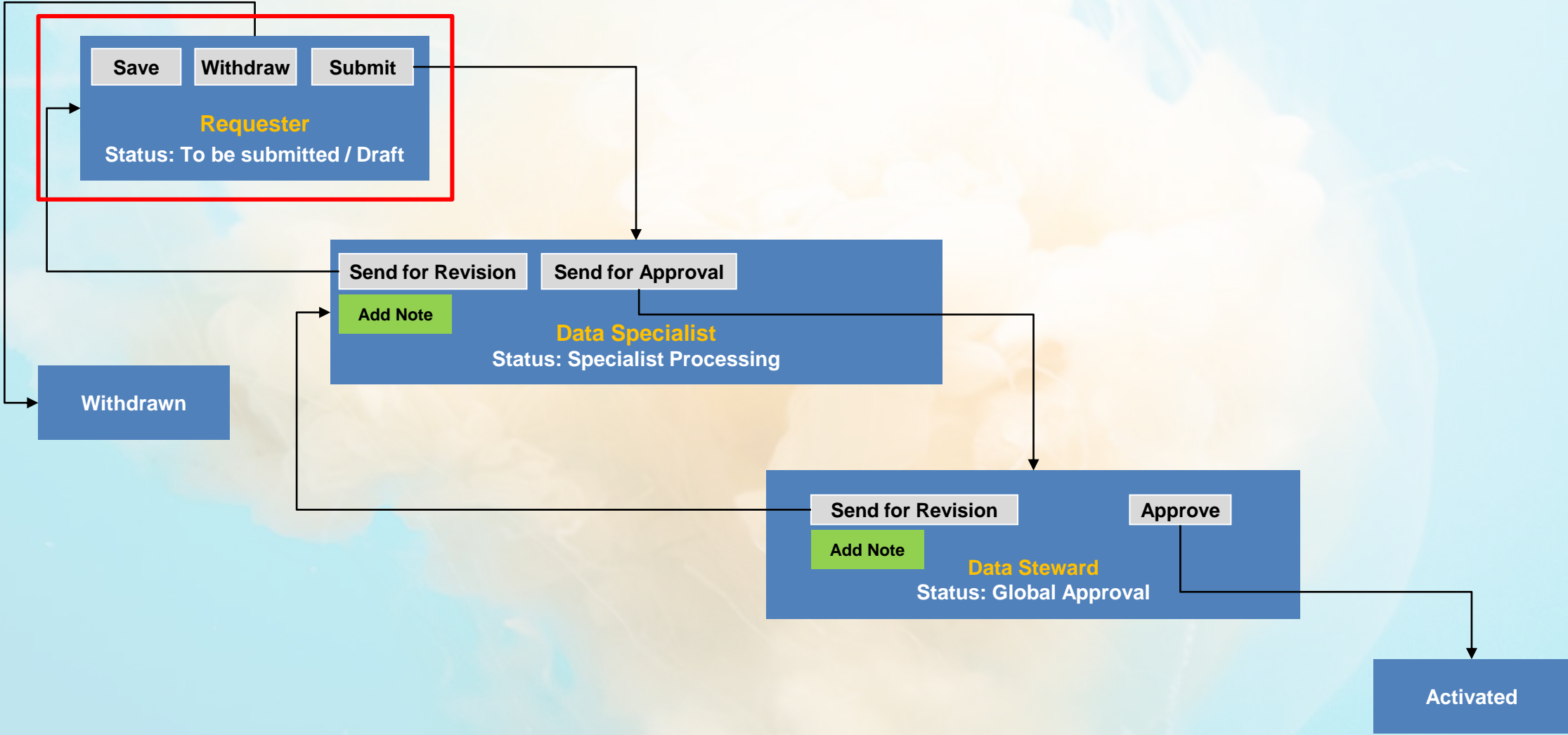


The data specialist enriches the data setup



The request is approved or rejected

Workflow: Request, Process & Approve



Demo: Short Overview

SAP Home ▾

Reference Data Governance ▾ Reference Data Harmonization

Financials

Change Requests and Documents

Change Requests Inbox	My Change Request	Display Change Requests	Display Change Documents
--------------------------	----------------------	----------------------------	-----------------------------

Objects

Business Area Search & Create	Chart Of Accounts Search & Create	Company Code Search & Create	Controlling Area Search & Create	Customer Account Group Search & Create	Currency Key Search & Create	Document Type Search & Create	Exchange Rates Search & Create	Functional Area Search & Create
G/L Account Group Search & Create	Operating Concern Search & Create	Tax Code Search & Create	Valuation Class Search & Create	Vendor Account Group Search & Create				

Select or Search for Country

The screenshot displays the SAP Reference Data Harmonization interface. At the top, the SAP logo and 'Home' dropdown are visible. Below this, the navigation bar includes 'Reference Data Governance' and 'Reference Data Harmonization'. A dropdown menu is open, listing various business areas: Financials, Logistics, Sales and Distribution, Human Resources, General Settings (highlighted with a red box), Classification, and Purchasing. The main content area features several tiles. Under the 'Objects' section, three tiles are visible: 'Country Search & Create' (highlighted with a red box), 'Language key Search & Create', and 'Regions Search & Create'. Other tiles include 'Display Change Requests' and 'Display Change Documents'.

Search and Change

SAP Search: Country

Search Method:

Search Criteria Saved Searches:

Country/Region Key	equal to	<input type="text" value="Value"/>	<input type="button" value="x"/>	<input type="button" value="+"/>
Description (short text)	equal to	<input type="text" value="G*"/>	<input type="button" value="x"/>	<input type="button" value="+"/>
Description (long text)	equal to	<input type="text" value="Value"/>	<input type="button" value="x"/>	<input type="button" value="+"/>
ISO Code	equal to	<input type="text" value="Value"/>	<input type="button" value="x"/>	<input type="button" value="+"/>

Maximum Number of Results:

Save Search As:

Result List: 16 records found

<input type="checkbox"/>	Pending Ch...	Country/Region Key	Description (short text)	Description (long text)	ISO Code	ISO Code 3 Characters	ISO Code Numeric 3-...
<input type="checkbox"/>		DE	Germany	Germany	DE	DEU	276
<input type="checkbox"/>		GA	Gabon	Gabon	GA	GAB	266
<input type="checkbox"/>		GD	Grenada	Grenada	GD	GRD	308
<input type="checkbox"/>		GE	Georgia	Georgia	GE	GEO	268
<input type="checkbox"/>		GG	Guernsey	Guernsey (Channel Islands)	GG	GGY	831
<input type="checkbox"/>		GH	Ghana	Ghana	GH	GHA	288
<input type="checkbox"/>		GI	Gibraltar	Gibraltar	GI	GIB	292
<input type="checkbox"/>		GL	Greenland	Greenland	GL	GRL	304
<input type="checkbox"/>		GM	Gambia	Gambia	GM	GMB	270
<input type="checkbox"/>		GN	Guinea	Guinea	GN	GIN	324

Audit Information / Highlight Change / Descriptions / Governance

> Change Request

▼ Audit Information

Audit Information

Created On:	05.03.2021 17:23:22	Created By:	IT_ALL_02
Changed On:	04.08.2022 16:20:44	Changed By:	IT_ALL_01
Approved On:	04.08.2022 16:19:23	Approved By User:	IT_ALL_01

▼ Country

Country/Region Key: DE

General data

Name:	Germany	Date Format and Decimal Format	Decimal Format:	1.234.567,89
Long name:	Germany		Date format:	DD.MM.YYYY (Gregorian Date)
Nationality:		Address Checks	Postal code required:	<input checked="" type="checkbox"/>
Nationality (Long):			PO Box postal code:	<input checked="" type="checkbox"/>
Vehicle Ctry/Reg Key:	D		Postal code length:	05
Index-Based Currency:		Language Key:		
		Hard Currency:	EUR	

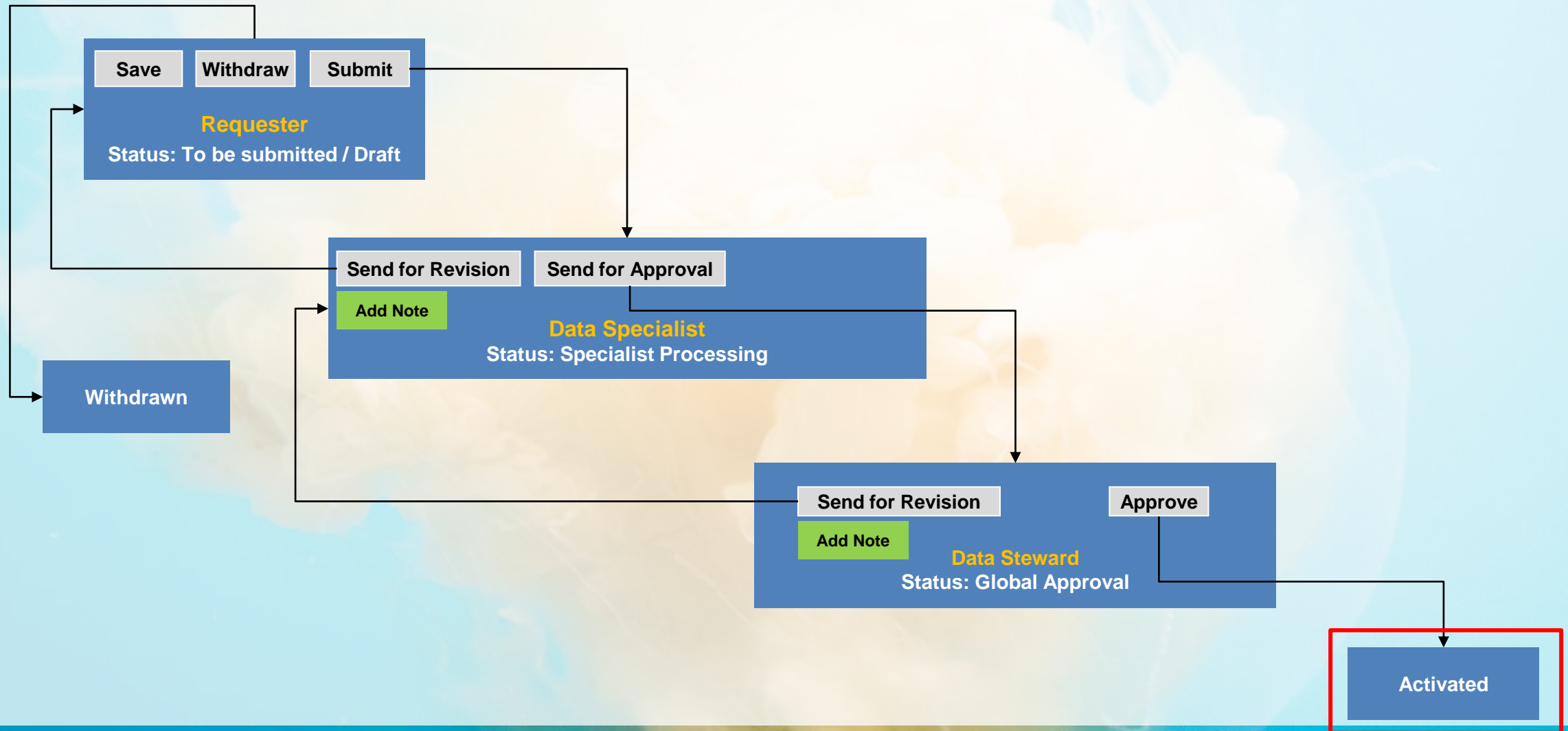
Attributes

ISO Code:	DE	EU Member:	<input checked="" type="checkbox"/>	Address format	Address layout key:	015
ISO Code 3 Characters:	DEU	Net Discount Base:	<input type="checkbox"/>			
ISO Code Numeric 3-Chars.:	276	Capital Goods Ind.:	<input type="checkbox"/>			
Procedure:	TAXD	Net Tax base:	<input type="checkbox"/>			
Trade Stat.Short Name:	DEUT					
Intrastat Code:	004					

▼ Country Descriptions

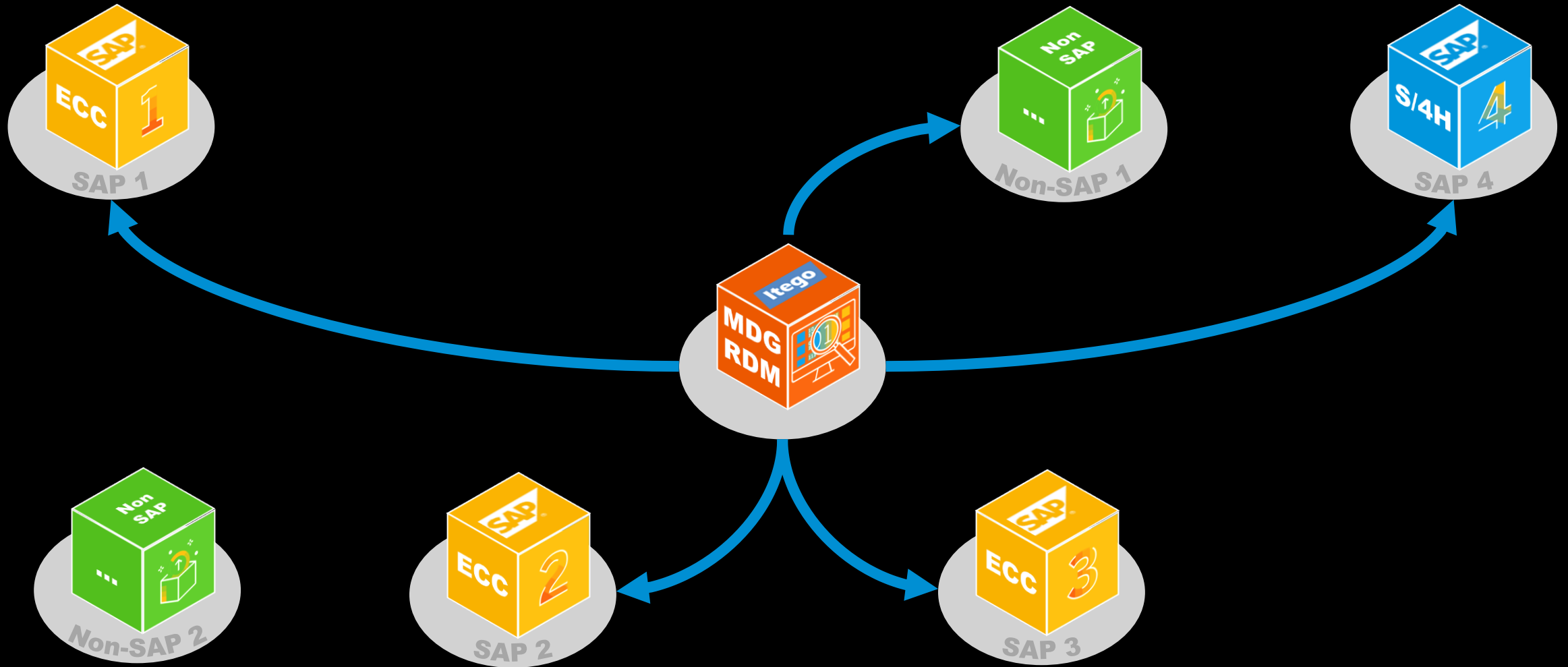
Actions	Changes	Language Key	Language Key Description	Description (long text)
<input type="radio"/> <input type="button" value="Delete"/>		DE	German	Deutschland
<input type="radio"/> <input type="button" value="Delete"/>		EN	English	Germany

Workflow: Request, Process & Approve



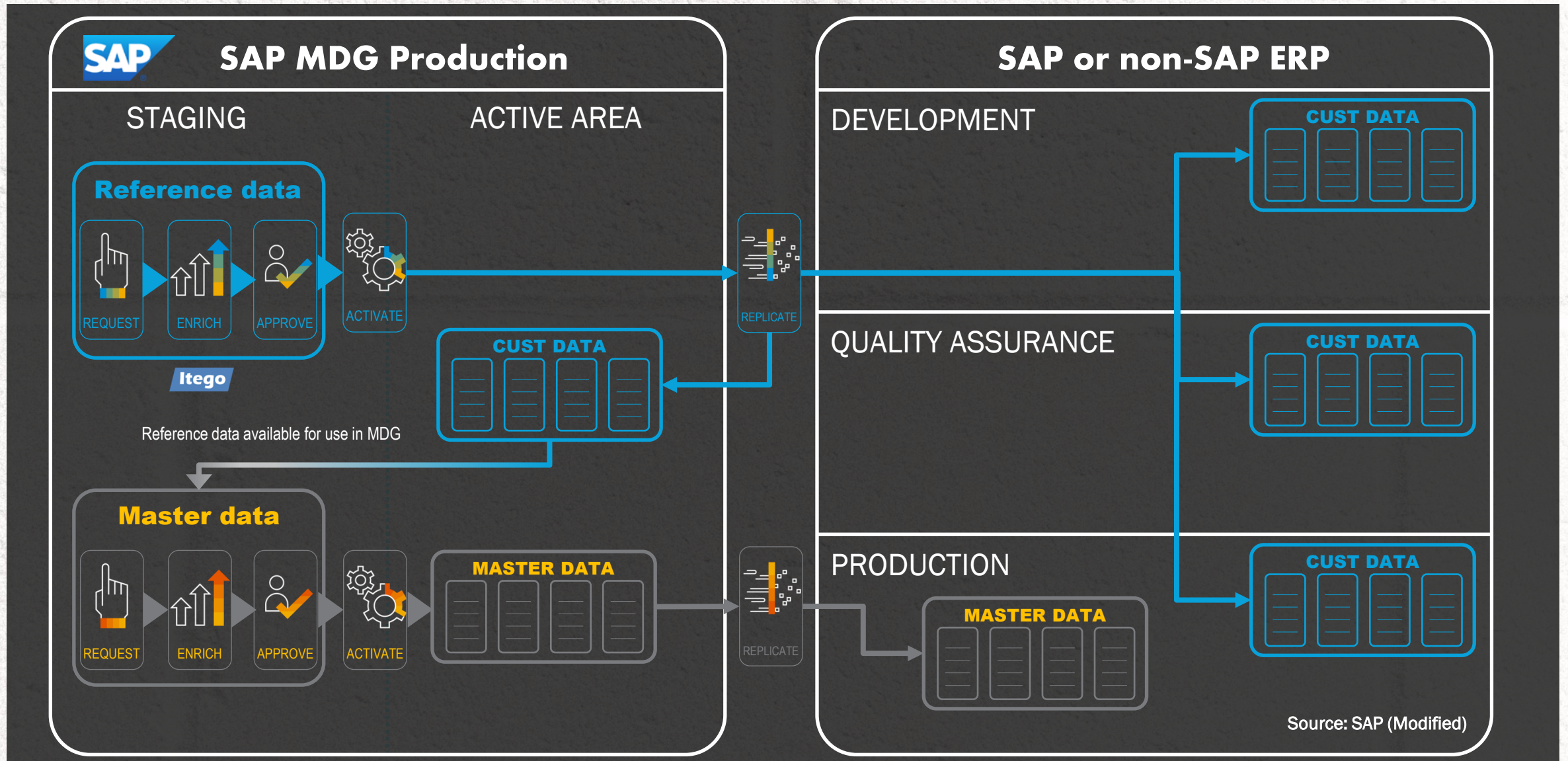
Itego Reference Data Governance

Data Replication



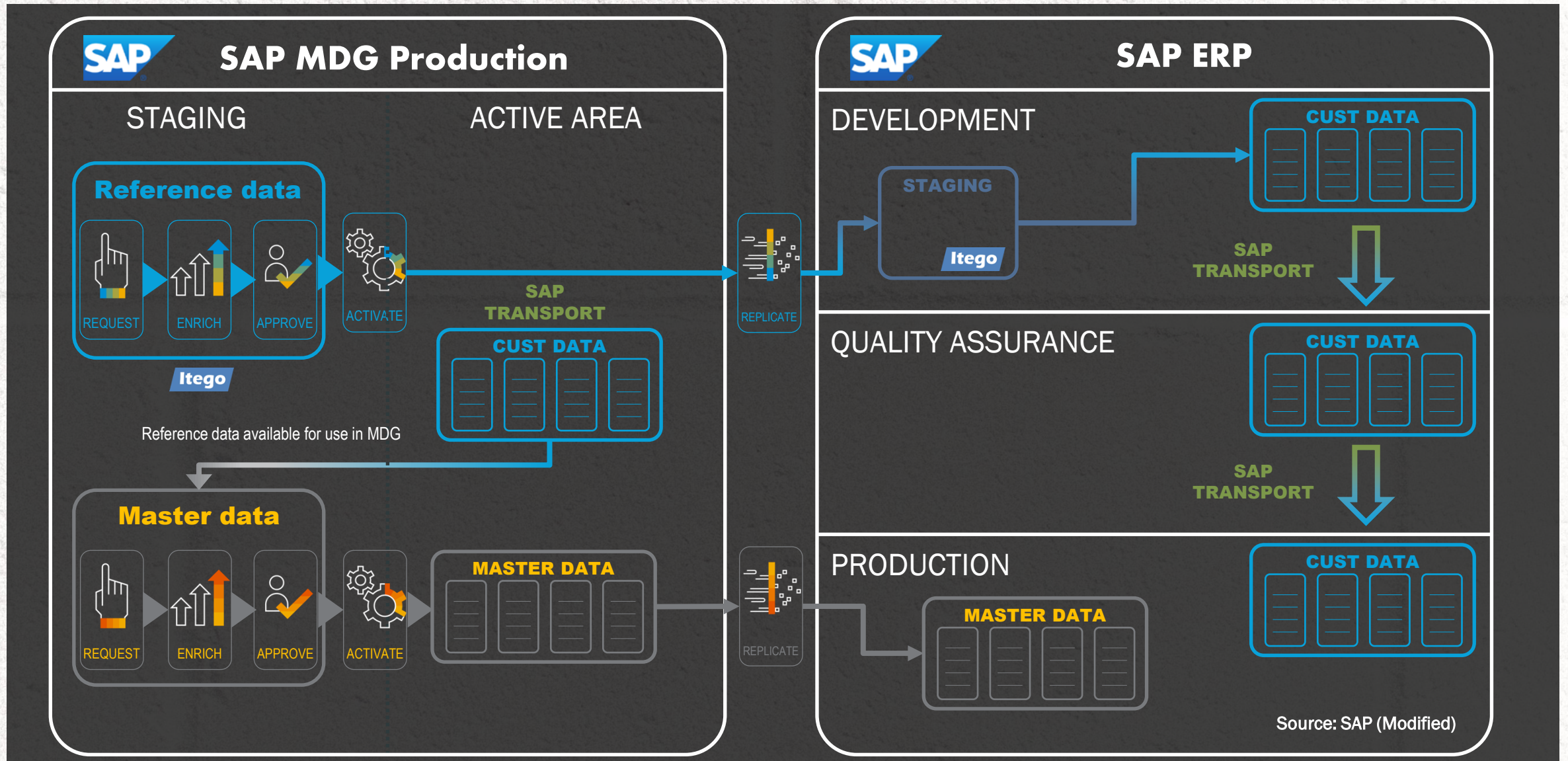
Itego Reference Data Management

Business Controlled Governance Alternative



Itego Reference Data Management

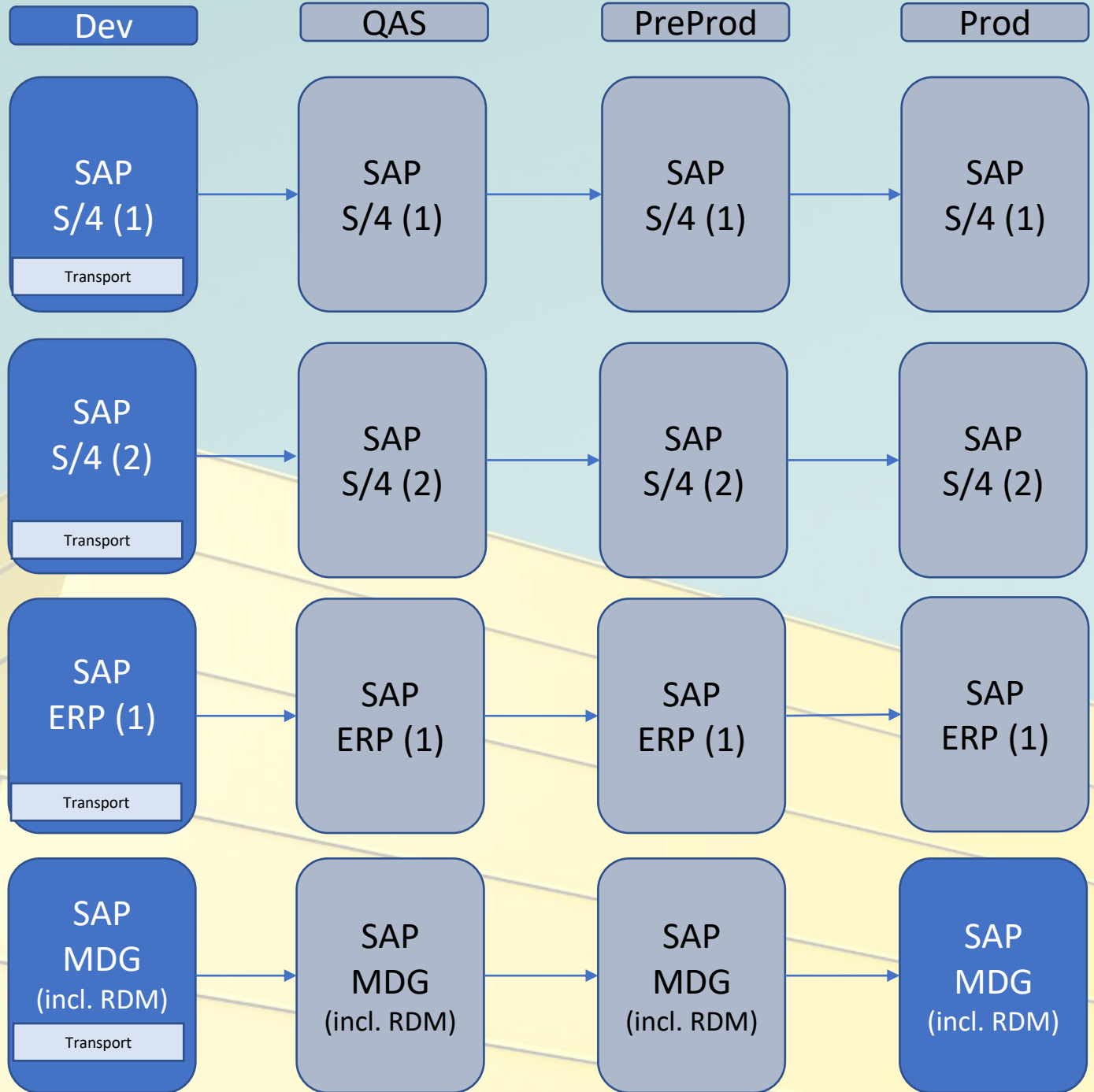
Full IT Governance Alternative



Business Driven
Harmonization and Governance



Technology Driven
Governance and Orchestration



Summary / FAQ / Q&A

Topics

- Value Add and Use Cases
- Customers and who needs it and when?
- License Model and How to engage

Links

[Itego Reference Data Management – Website](#)

Blogs: [RDM, MDF and Custom Objects](#), [Solution Manager](#)



Itego

Trusted data. Delivered.

E-Mail: info@itego.de

Itego Reference Data Governance

Object Types

Financials & HR & General Settings

Business Area	Chart of Accounts	Company Code	Controlling Area	Customer Acc. Group	Currency
Document Type	Exchange Rate	Functional Area	Gen.Ledger Acc. Group	Operating Concern	Personnel Area
Tax Code	Valuation Class	Vendor Acc. Group	Country	Language	Region

Logistics & Purchasing

BOM Usage	Division	Factory Calendar	Laboratory/Office
Location	Material Group	Material Status	Material Type
MRP Area	MRP Controller	MRP Profile	MRP Type
Plant	Storage Location	Unit of Measure	Characteristics
Classes	Purchasing Group	Purchasing Org.	

Sales & Distribution

Distribution Channel	Incoterms
Payment Terms	Product Hierarchy
Sales Group	Sales Organization
Shipping Conditions	Shipping Type

Itego Reference Data Management

How? Solution Components

Reference Data Management

Master Data Governance

Itego



SAP



RDG – Reference Data Governance
RDH – Reference Data Harmonization
MDF – RDM Master Data Framework

MDG – Master Data Governance
MDC – Master Data Consolidation
MDG-AF – MDG Application Framework

Itego Reference Data Management

How? Solution Components

Complete and Integrated MDG Application

- Data Model with pre-delivered content
- Workflows for Reference Data Governance
- User Interfaces for Reference Data and Meta Data
- Data Replication to Local Staging Area in SAP or non-SAP

Details

- Flexible Data Model
- Rule Based Workflows
- User Interfaces (Web Dynpro)
- Data Transfer for Initial Load (XML or CSV)
- Data Replication with Monitoring for Reliability
- Change Documents, Change Request Monitoring

SAP® Certified
Integration with SAP S/4HANA®

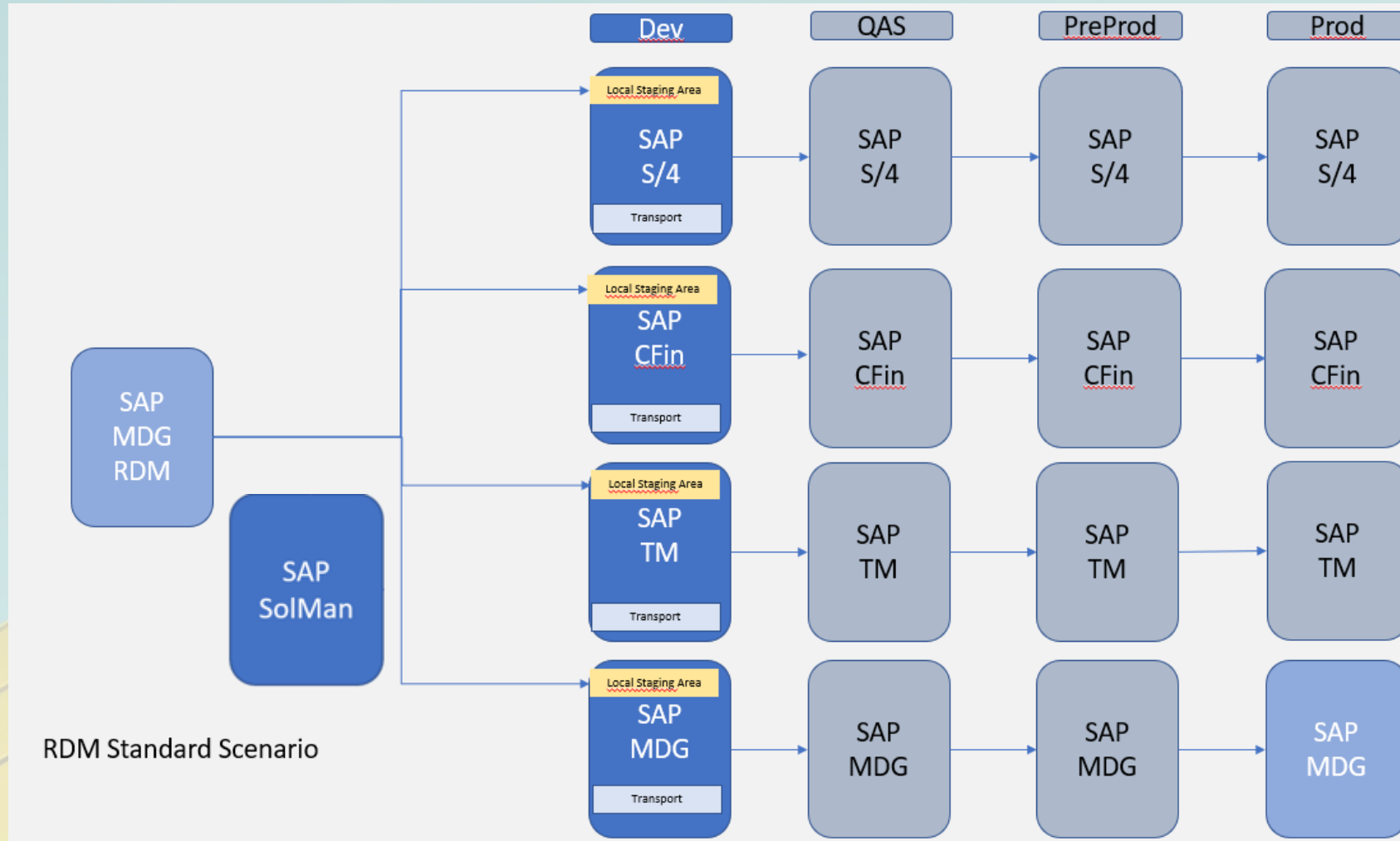


HOW

Solution Manager Integration

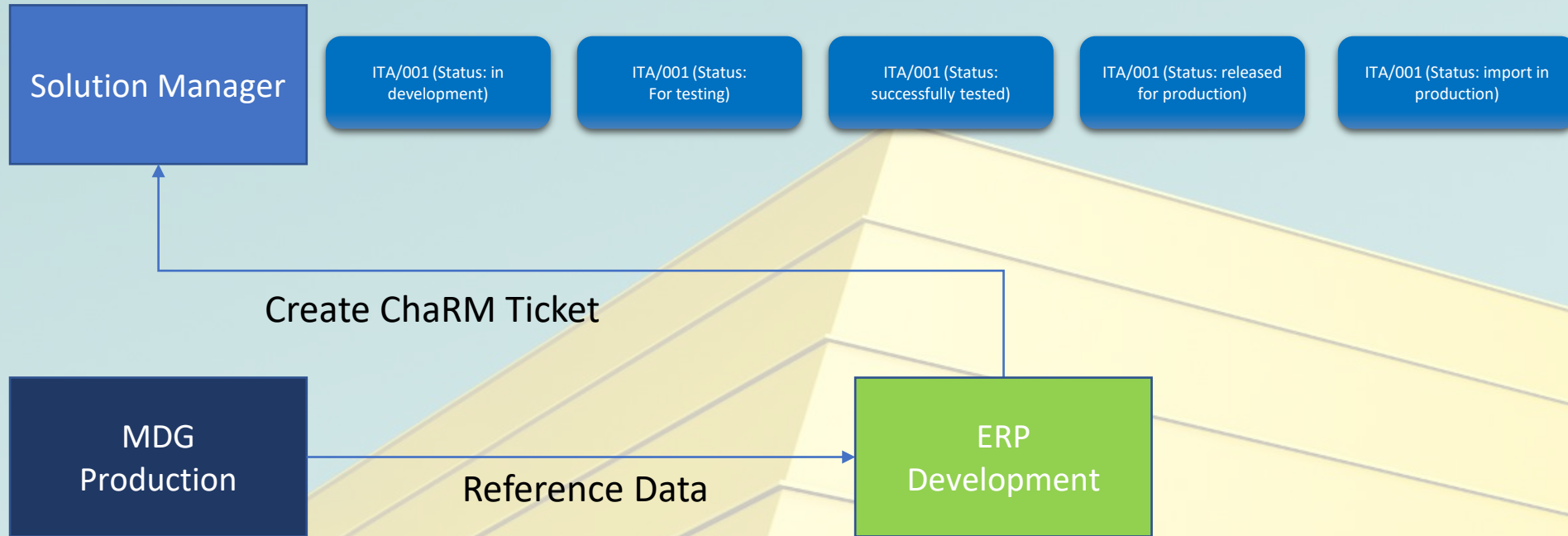
Itego Reference Data Management

Full IT Governance Alternative, Standard Scenario with or without Solution Manager



Itego Reference Data Management

Solution Manager Integration: Create ChaRM Ticket



Create ChaRM Ticket from Local Staging Area

Maintain Local Staging Area

StagContent Show Logs Show SnapShots

Process mode

- Enable local customizing
- Global customizing only
- Finalize local customizing

Selection of objects and transport job

Objects

Transport job

Target system

SolMan-ConfigID to

Incl. local obj.,allow deletion

write protocol into logging

write snapshots

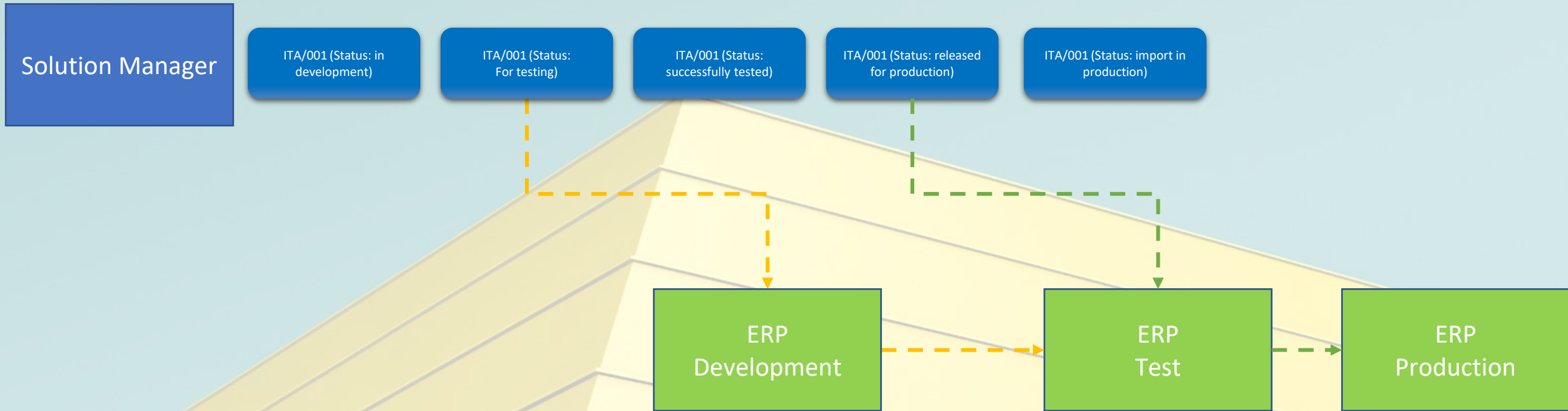
Standard-Transport-Text

SolMan: Create Ticket

```
data Entry: 400Z001
00060 AFTER: Entries in CustomizingTable T024E found
Transport ITRK906050 successful created
Task ITRK906051 successful created
SolMan-Ticket created: 8000002600
```

Itego Reference Data Management

Solution Manager Integration: Process ChaRM Ticket



Process ChaRM Ticket in Solution Manager / 1

Change Request Management

Home

Master Data

Inbox

Requirements Man... >

Change Request M... >

IT Service Manage... >

Service Operations >

Create Incident

Incident from Template

Service Request

Change Cycle

Request for Change

RFC from Template

Task

Knowledge Article

Administrative Changes

Change Cycles

Change Documents

Defect Corrections

General Changes

Git-enabled Changes

Normal Changes

Request for Change Templates

Requests for Changes

Standard Changes

Urgent Changes

Home

Master Data

Inbox

Requirements Man... >

Change Request M... >

IT Service Manage... >

Service Operations >

Create Incident

Incident from Template

Service Request

Change Cycle

Request for Change

RFC from Template

Task

Knowledge Article

Problem

Defect Correction

Business Requirement

IT Requirement

Service Order

Search: Standard Changes

Document Type is Standard Change

Document ID contains

Free Text contains

Description contains

Time Frame is Today

Maximum Number of Results: 100

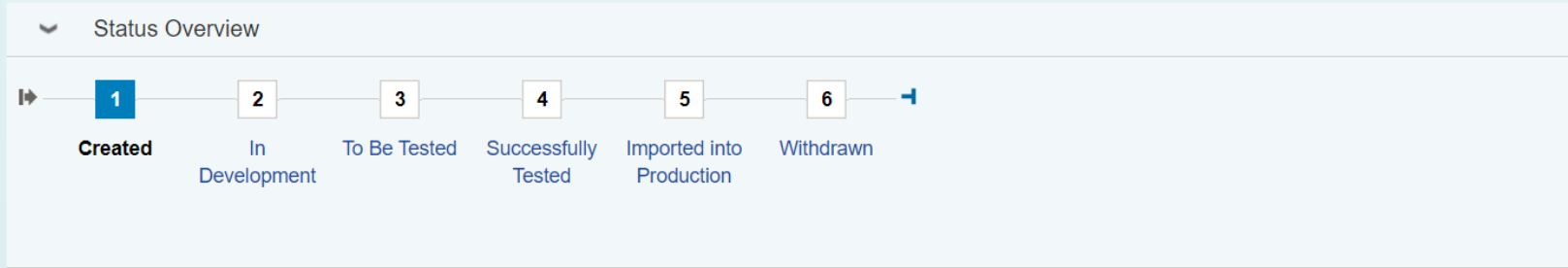
Search Clear Save Search As: Include View Save

Result List: 3 Standard Changes Found

New Refresh

Change ID	Description	Priority	Status	Create...	Category	Relate...	Reque...	Reque...
8000002596	Test	4: Low	In De...	07.10....			07.10....	10.10....
8000002598	RDM: 2. Test	2: High	In De...	07.10....			07.10....	21.10....
8000002600	RDM Reference Data - Purchasing Org	2: High	Created	07.10....			07.10....	14.10....

Process ChaRM Ticket in Solution Manager / 2



Details

General Data

ID:
 Description:
 Developer:
 Tester:
 IT Operator:
 Change Manager:
 Current Processor:

Implementation Data

Change Cycle / Phase:
 Type / ID:
 Landscape / Branch:
 Development Close:
 Go-Live Date:

Project Planning

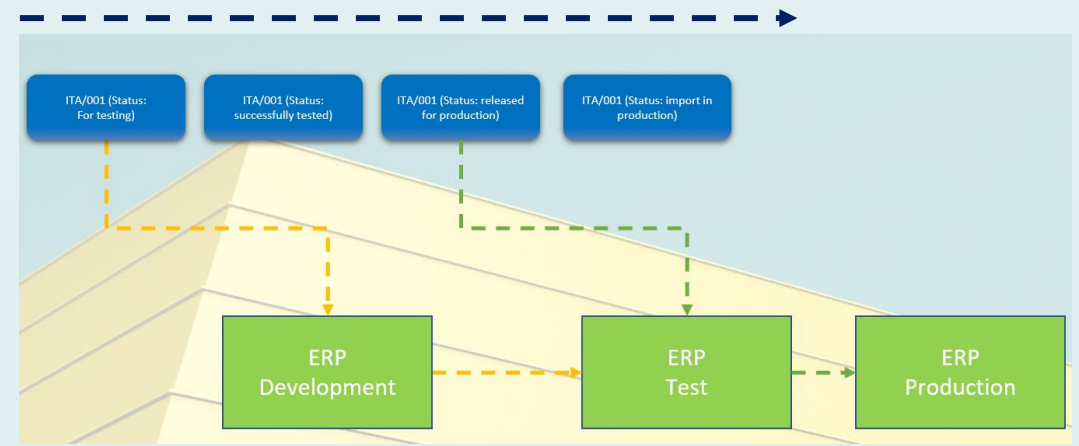
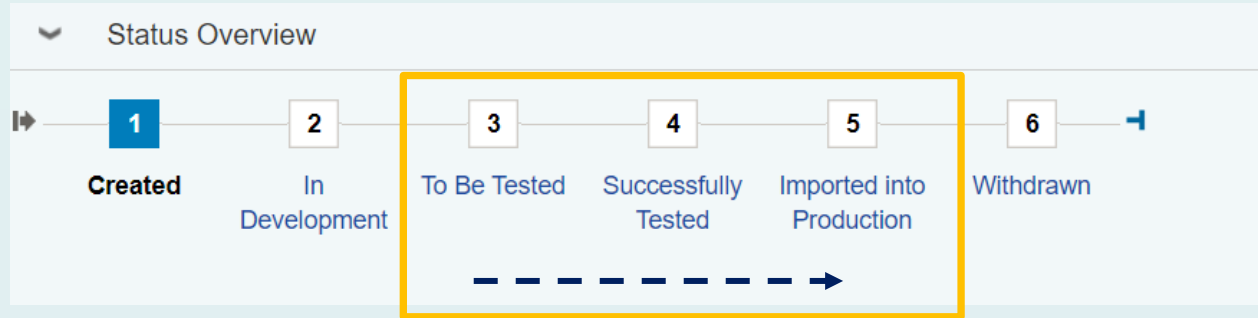
Project Name:

Actions	Name	Type
Properties	RDM - Local Staging Area Logging	Simple Text

```

-----
Start: 2022-10-27T12:47:25
-----
Logging started
Delta-Mode selected
Processing started for Object: /ITR/B1072 table: T023
Processing started for Object: /ITR/B1072 table: T023T
Snapshot created with index(es): RDM-T023-124725 table: T023
00023 BEFORE: Entries in CustomizingTable T023 found
Staging entries for /ITR/T023 found 00001
Insert entries for T023 found 00001
Update entries for T023 found 00000
Insert entries for /ITR/T023 processed: 00001
data Entry: 20009
00024 AFTER: Entries in CustomizingTable T023 found
Snapshot created with index(es): RDM-T023T-124726 table: T023T
00028 BEFORE: Entries in CustomizingTable T023T found
Staging entries for /ITR/T023T found 00002
Insert entries for T023T found 00002
Update entries for T023T found 00000
Insert entries for /ITR/T023T processed: 00002
data Entry: 200D09
data Entry: 200E09
00030 AFTER: Entries in CustomizingTable T023T found
Transport IR1K900451 successful created
Task IR1K900452 successful created
Transport IR1K900451 could not be released
-----
End: 2022-10-27T12:47:25
-----
  
```


Process ChaRM Ticket in Solution Manager / 3



Save | Display | Cancel | Edit | Create Follow-Up | Actions | Send E-Mail | Print Preview | Print | Display Object Relationships

More ▾



Details Edit

General Data	Implementation Data
ID: 8000002668	Change Cycle / Phase: ITEGO Continuous cycle
Description: RDM: Material Group - T023, T023T	Type / ID: Continual Cycle ▾
Developer: Mr. SAP Backoffice	Landscape / Branch: ITEGO Solution RDM
Tester: <input type="text"/>	Development Close: <input type="text"/>
IT Operator: <input type="text"/>	Go-Live Date: <input type="text"/>
Change Manager: Mr. SAP Consulting	Project Planning
Current Processor: <input type="text"/>	Project Name: <None>

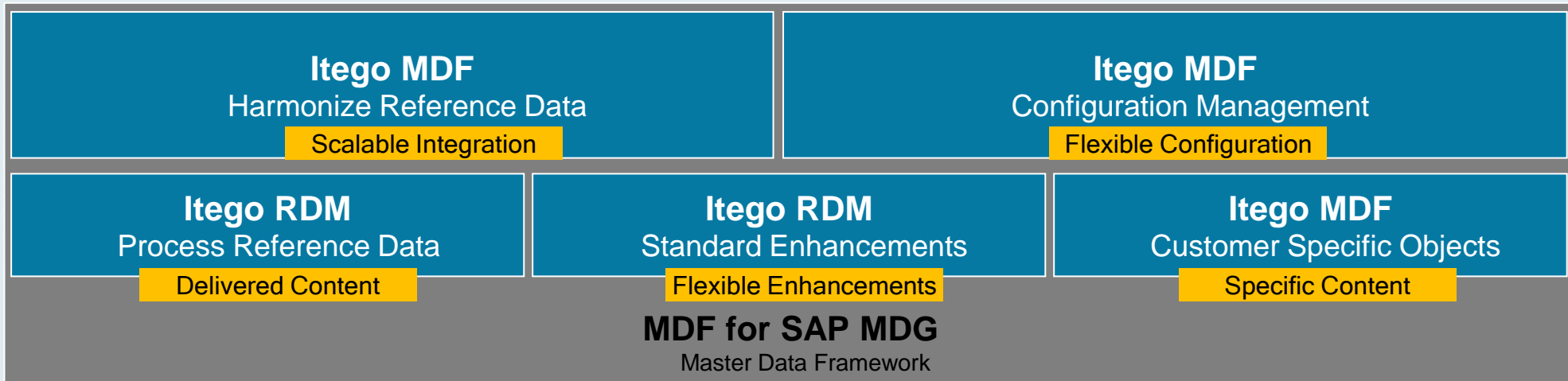
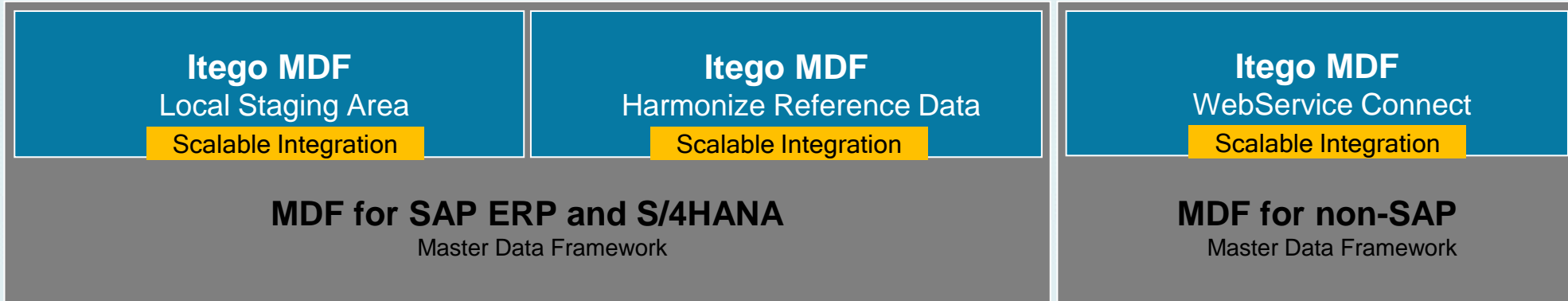


HOW

Master Data Framework

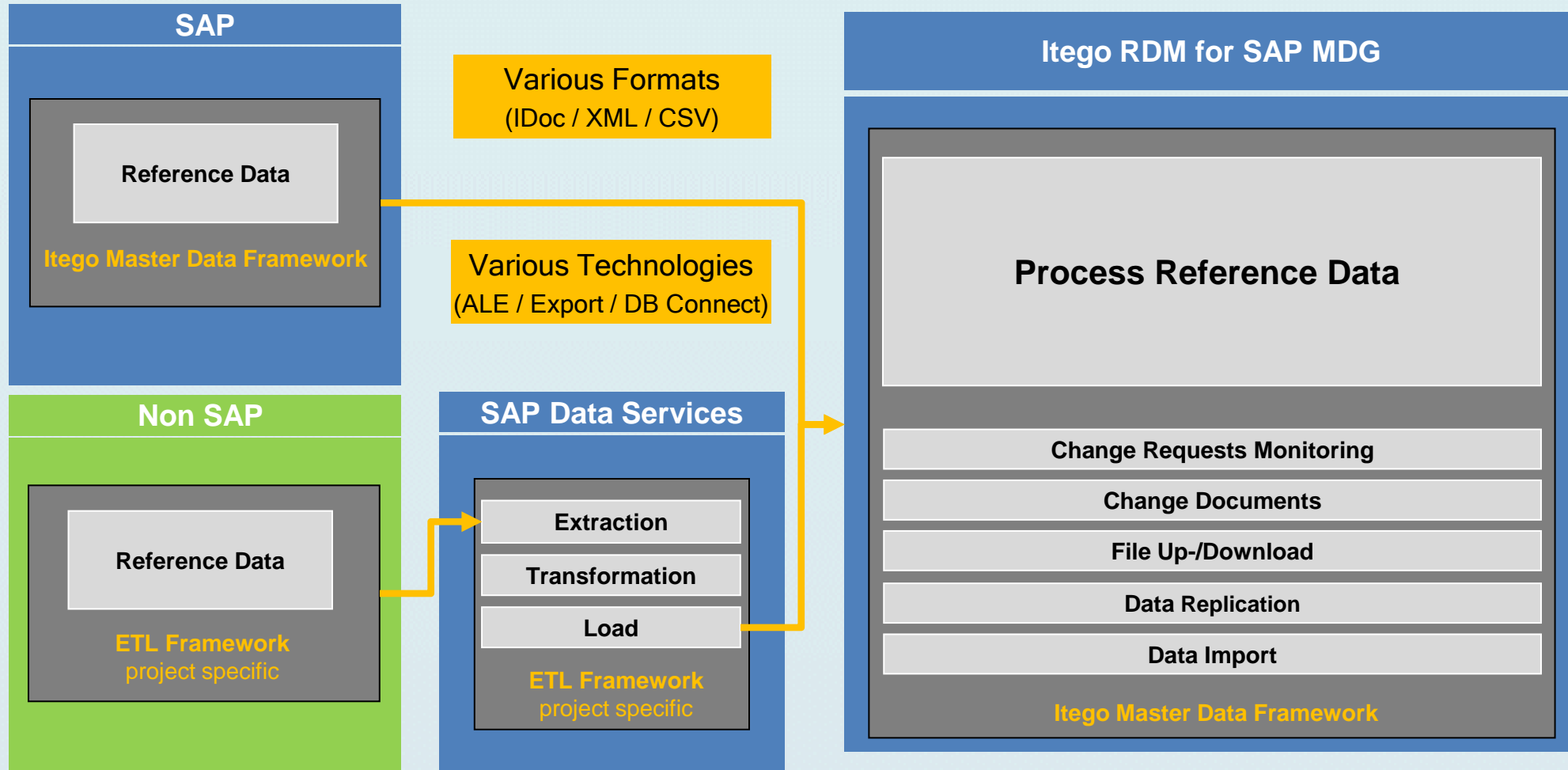
Itego Master Data Framework

Scenarios and Solution Components



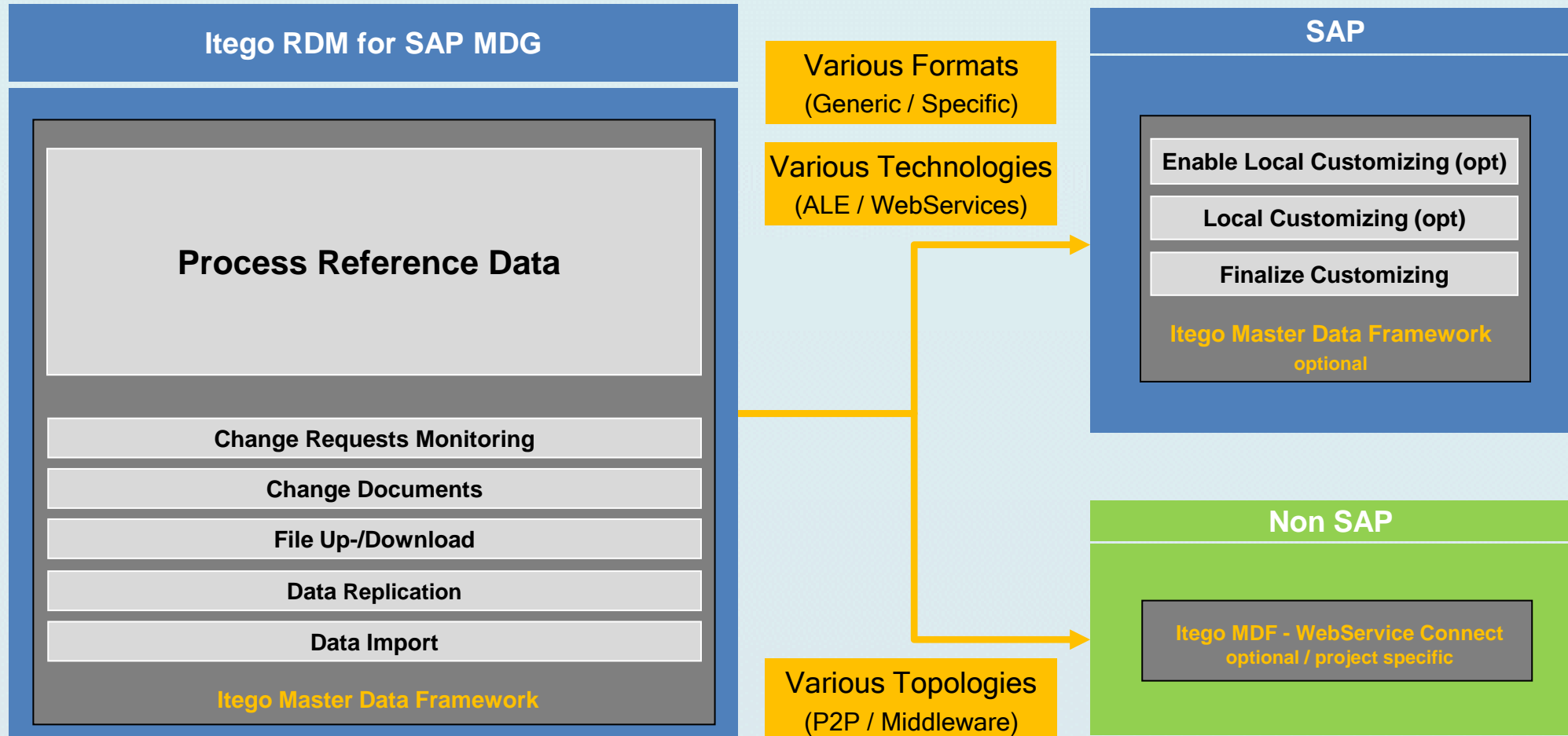
Itego Master Data Framework

Flexibility for Data Load



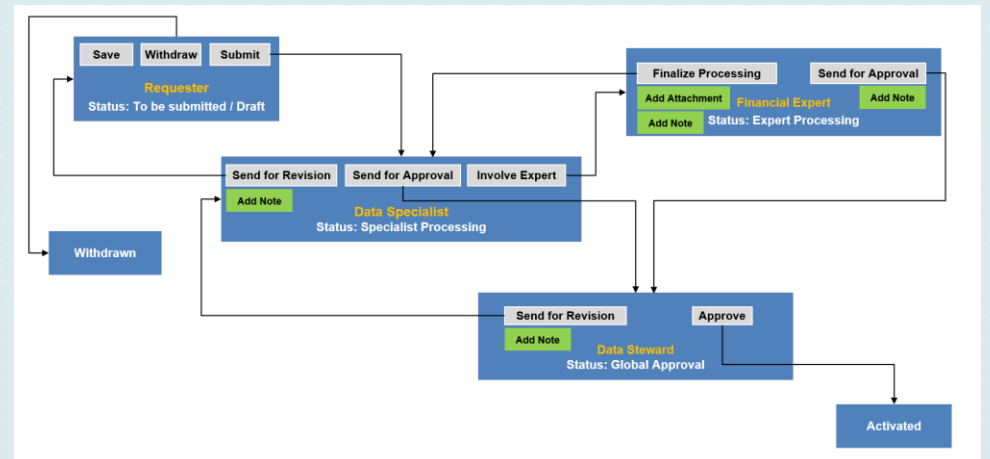
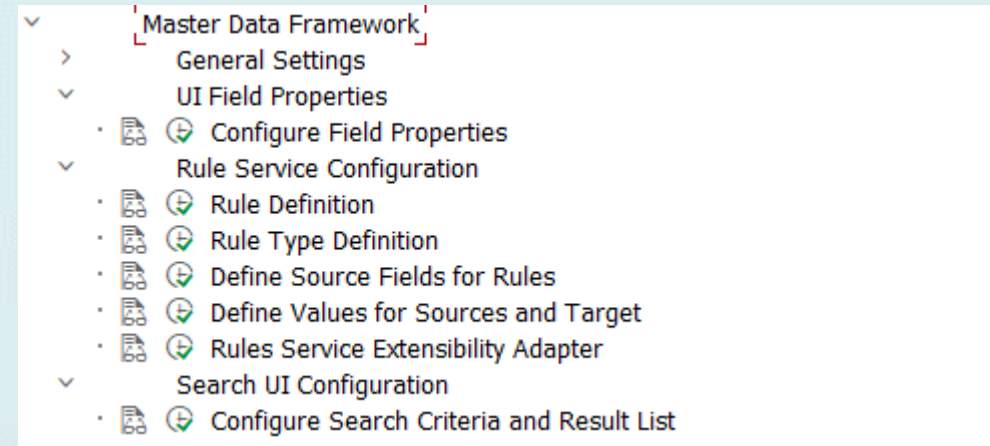
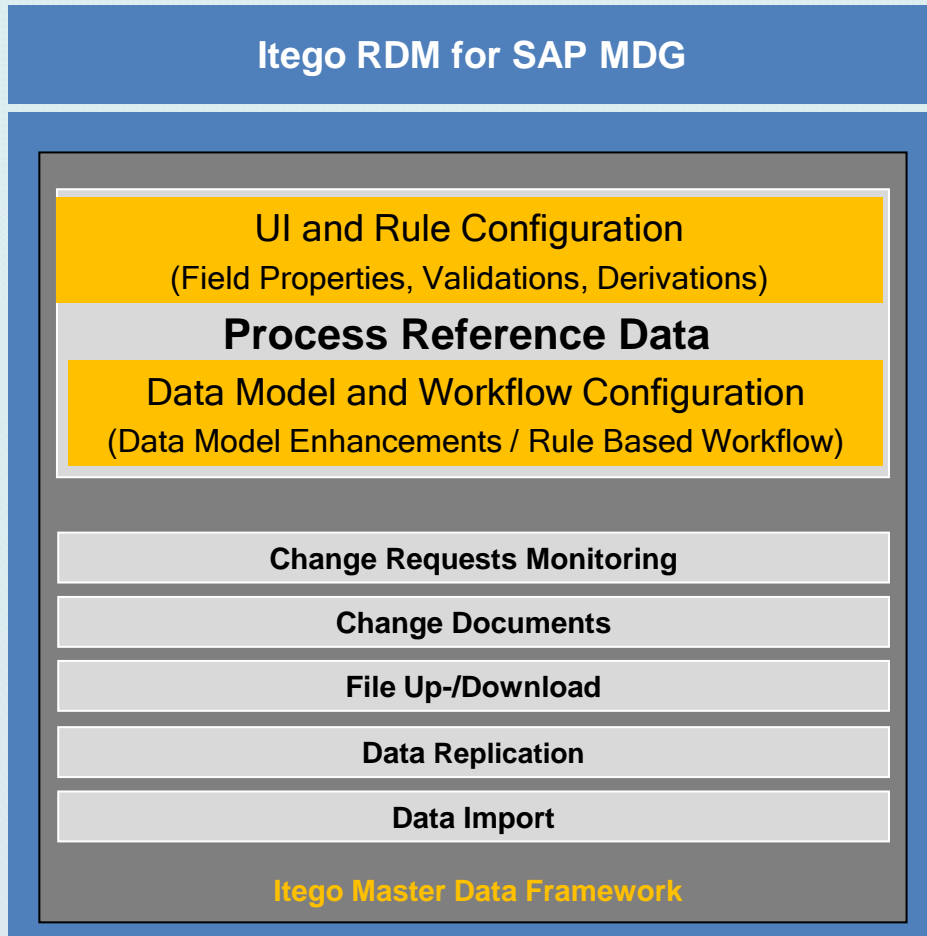
Itego Master Data Framework

Scalability for Data Replication

















Itego Master Data Framework

Flexible Enhancements for Reference Data Processing



Itego Master Data Framework

Guided User Interface (UI) and Rule Configuration

- ▼ Master Data Framework
 - > General Settings
 - ▼ UI Field Properties
 -   Configure Field Properties
 - ▼ Rule Service Configuration
 -   Rule Definition
 -   Rule Type Definition
 -   Define Source Fields for Rules
 -   Define Values for Sources and Target
 -   Rules Service Extensibility Adapter
 - ▼ Search UI Configuration
 -   Configure Search Criteria and Result List

User Interface (UI) Configuration

Maintenance UI: Field Properties

Rule Configuration

(Validations, Derivations)

User Interface (UI) Configuration

Search UI: Search Attributes and Result List

Itego Master Data Framework

Example 1: Company Code - User Interface Configuration

Company Code Edit

[Company Code details](#) Company Code address

Company Code

* Company Code:

* Company Name:

City:

* Country/Region Key: DE

Currency: EUR

Language Key: D

Optional Field

Change View "Itego MDF: UI Field Properties": Overview

New Entries

Model	Target Entity	Description	Target Field	CR Type	CR Step	Field Property	Active
I1	COMP CODE	Company Code	ORT01	*	*	Required Field	<input checked="" type="checkbox"/>

Change Request Type dependent (Optional, Read-Only, Required, Hidden)

All 1

Maintain value for Mandatory Field " City "

Reason:

> Audit Information

Company Code Edit

[Company Code details](#) Company Code address

Company Code

Company Code: A01

* Company Name: Company A

* City:

* Country/Region Key: DE Germany

Currency: EUR European Euro

Language Key: D

No errors found

SAP Process Object with MDG

Refresh

Due Date:

Reason:

> Audit Information

Company Code Edit

[Company Code details](#) Company Code address

Company Code

Company Code: A01

* Company Name: Company A

* City: Berlin

* Country/Region Key: DE Germany

Currency: EUR European Euro

Language Key: D

Itego Master Data Framework

Example 2: Rule Configuration - Derivation

Material Group [Edit](#)

* Material Group:

Description (short text):

Description (long text):

Division:

Valuation Class:

Default unit of weight:

Source Field(s) dependent
(Derivation for Target Field)

Itego MDF: Define Values for Sources and Target

Model	Target Entity	Description	Target Field	Rule ID	Counter	Source1 from	Source1 to	Source2 ...	Source2 to	Source3 ...	Source3 to	Target Value from	Target Value to	Active	Message ...	Msg...	Type
I1	MATKL	Material Group	BKLAS	0001	1	01						0710		<input checked="" type="checkbox"/>			
I1	MATKL	Material Group	BKLAS	0001	2	A1						3030		<input checked="" type="checkbox"/>			



Division: Product Division 01

Valuation Class: Equipment 1

Default unit of weight:

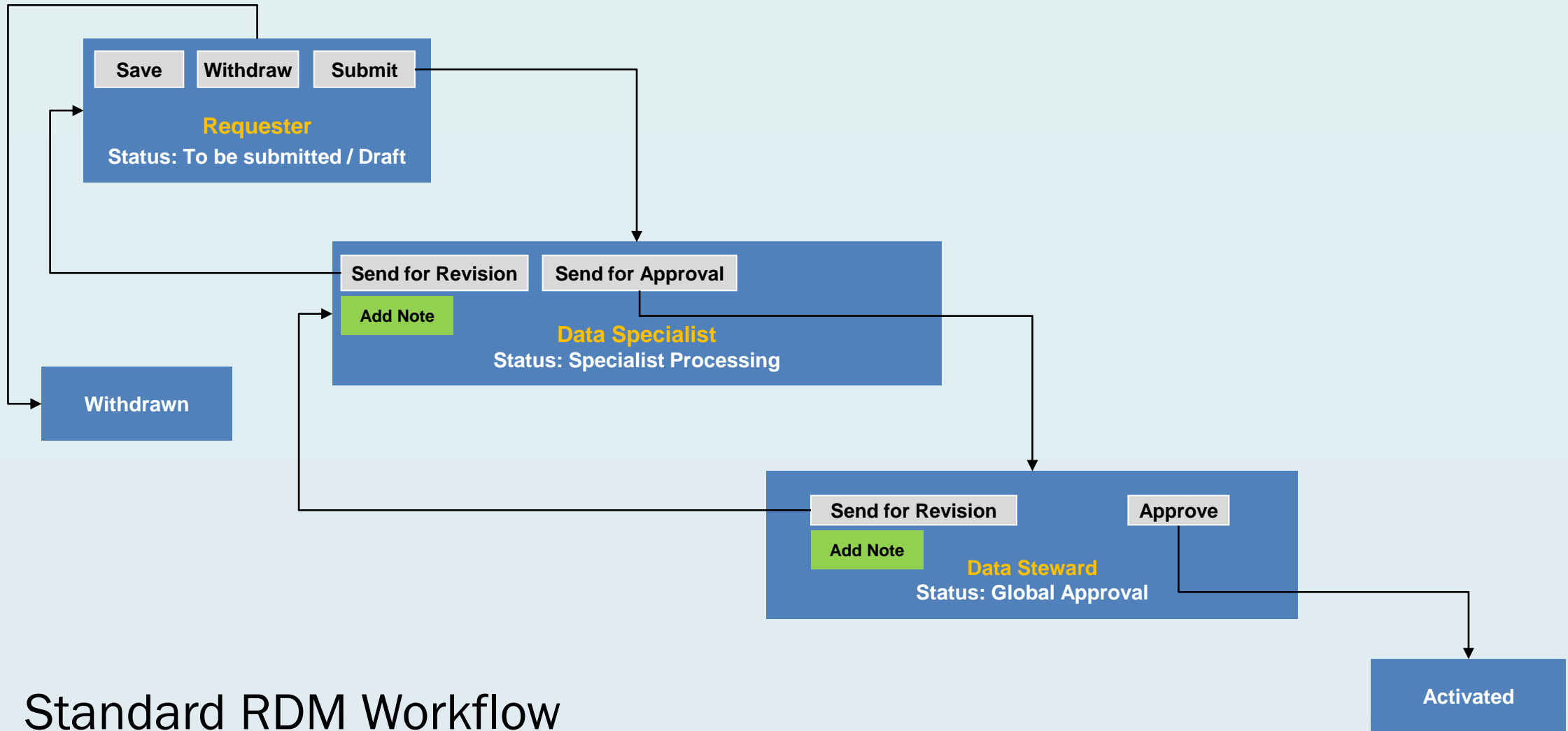
Division: Operating supplies

Valuation Class: Operating supplies

Default unit of weight:

Itego Master Data Framework & SAP MDG Appl. Framework

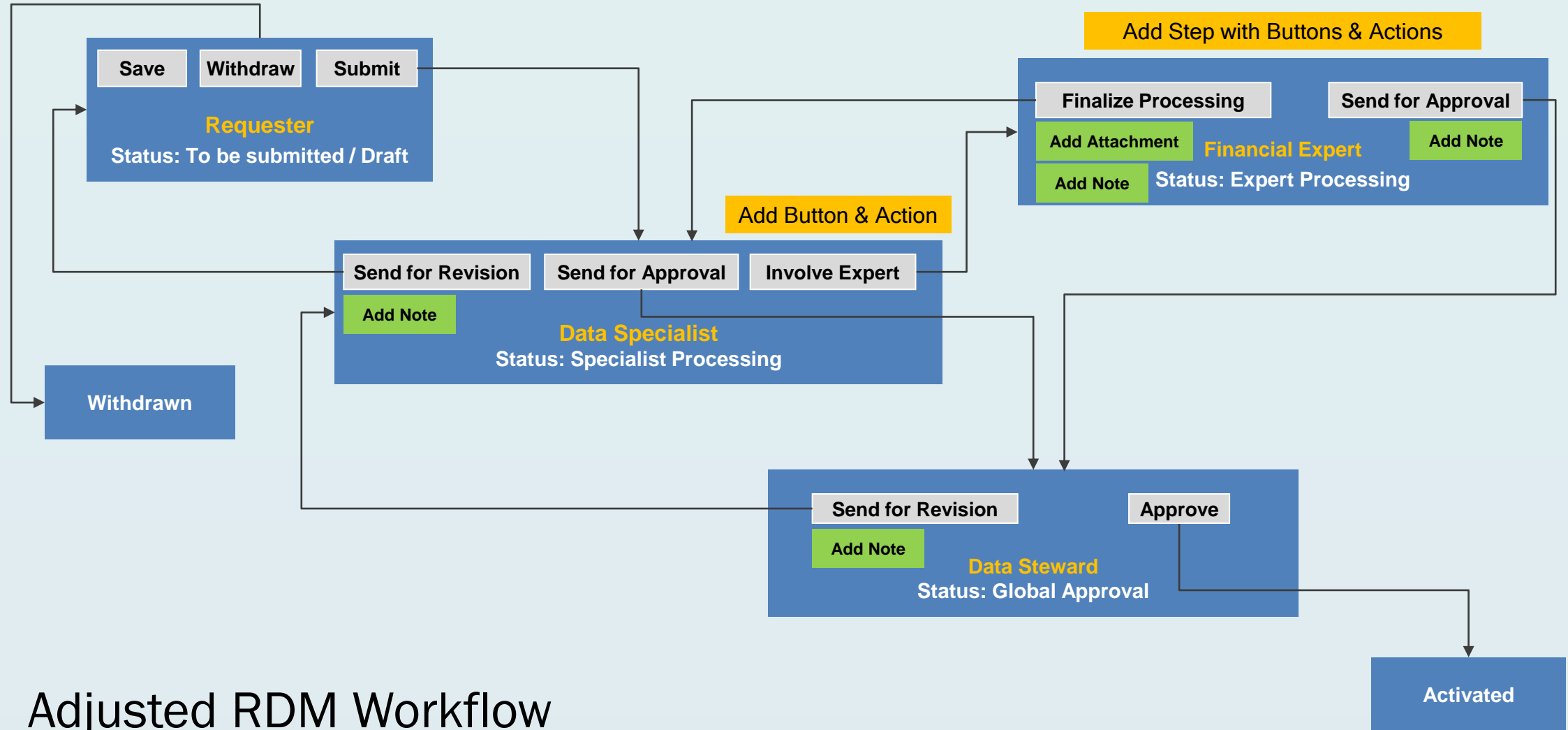
Workflow Configuration



Standard RDM Workflow

Itego Master Data Framework & SAP MDG Appl. Framework

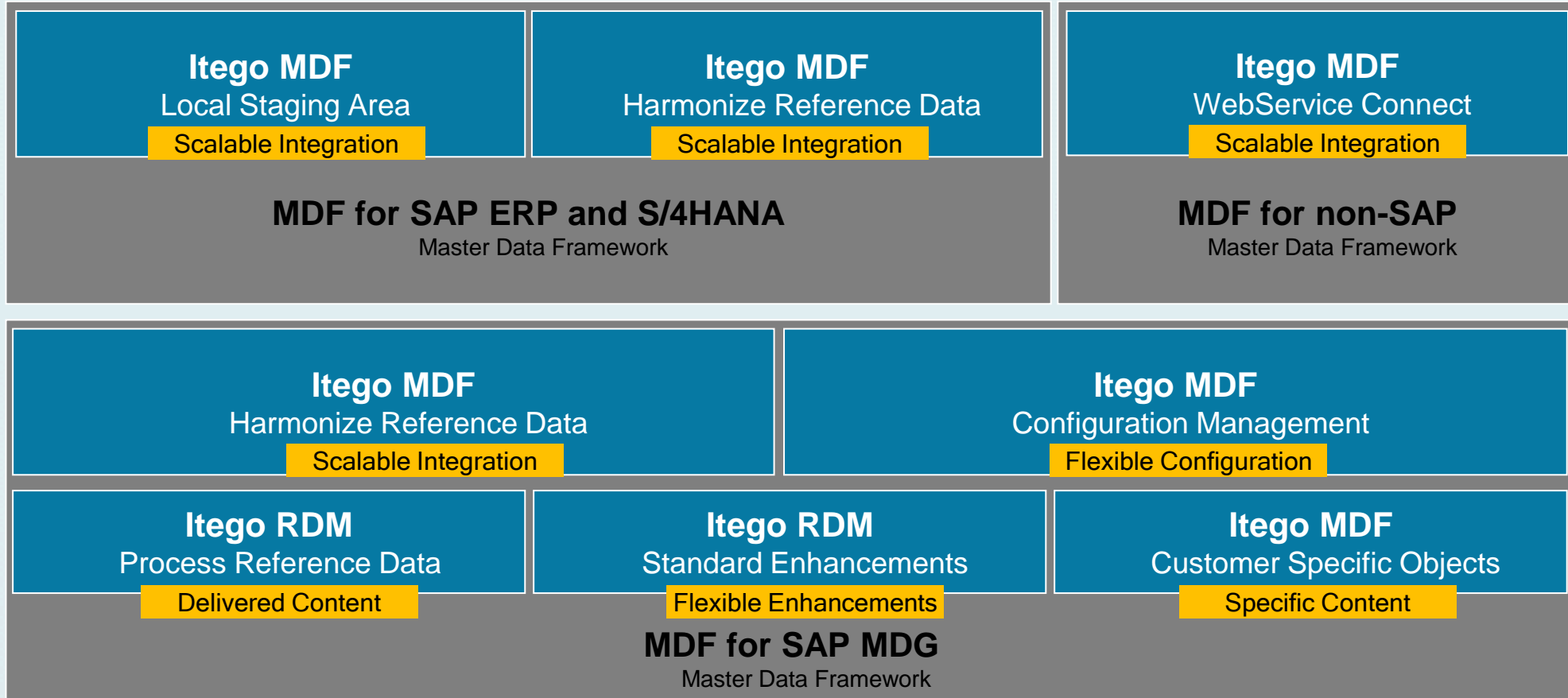
Workflow Configuration



Adjusted RDM Workflow

Itego Master Data Framework

Summary



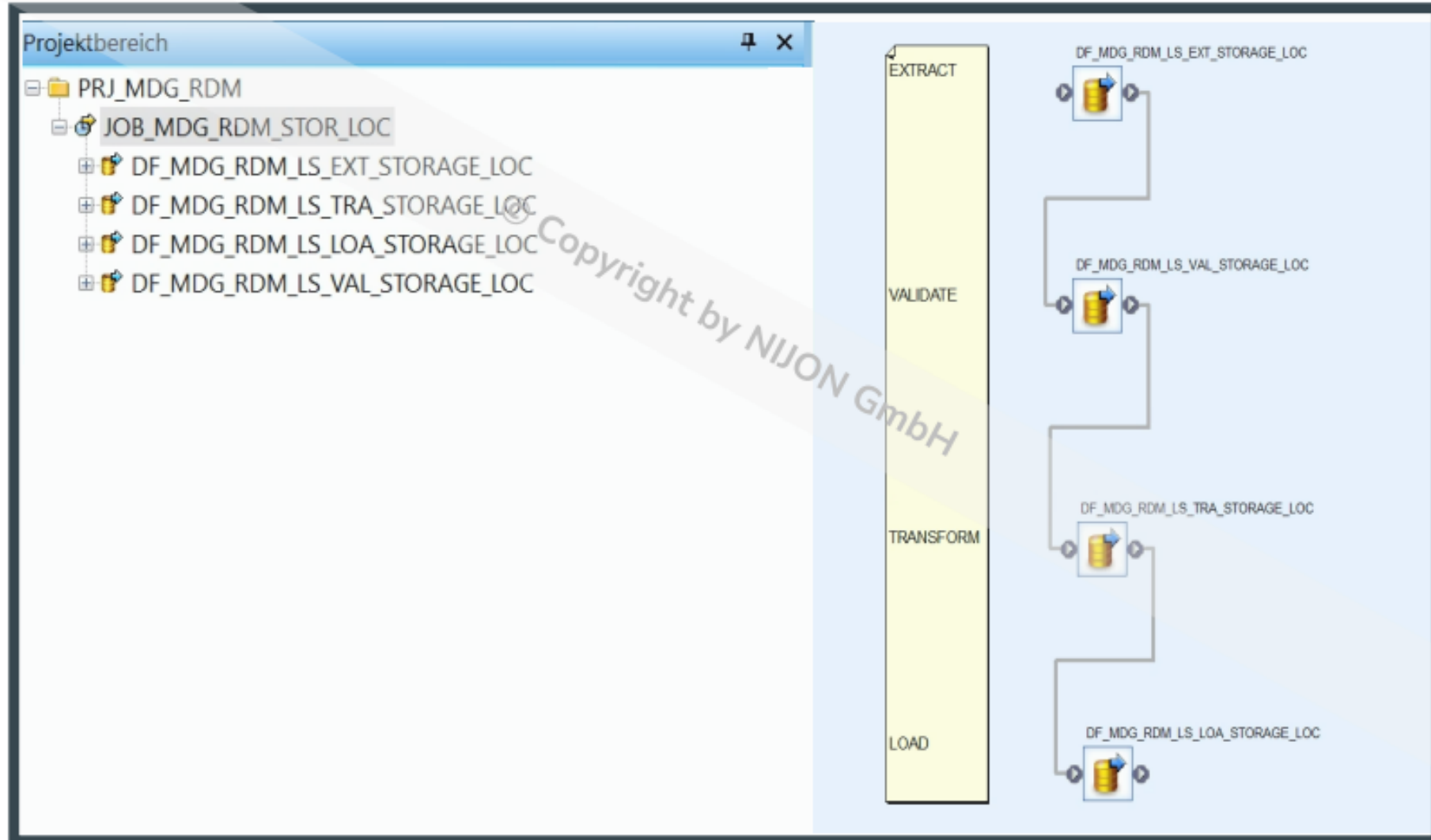
Enabling Itego

- Deliver unmatched content
- Deliver new content at unmatched rate / cost

Enabling Customers and Partners

- Enhance and integrate with maximized flexibility
- Grow MDG and RDM scope as needed

SAP DS: Initial Load Storage Location



SAP DS: Extraction

The screenshot displays the SAP Data Services Designer interface. At the top, a data flow diagram shows the process: a 'Legacy System' (e.g., Database table, flat file, XML) feeds into a 'Staging Table of source data in SAP DS - converting the input to varchar'. The data flow is labeled 'Div_STAGE' and connects the source table 'LS_STORAGE_LOCATION(MDG_RDM_LEGACY_SYSTEM.stg)' to the target table 'STA_LEGACY_DATA_STORAGE_LOC(DS_STG_OBJ_INIT.DS_OWNER)'.

Below the diagram, two data preview windows are open:

Left Window: LS_STORAGE_LOCATION(MDG_RDM_LEGACY_SYSTEM.stg)

WERK	LAGERNUMMER	LAGERNAME	DISPO
1000	100	Hamburg Warenlager	1
1000	200	Hamburg Retoure	1
2000	100	Köln WL	2
2000	800	Köln Ost Retoure	1
2000	850	Köln West R	1

Right Window: STA_LEGACY_DATA_STORAGE_LOC(DS_STG_OBJ_INIT.DS_OWNER)

RUN_ID	WERK	LAGERNUMMER	LAGERNAME	DISPO
1	1000	100	Hamburg Warenlager	1
2	1000	200	Hamburg Retoure	1
3	2000	100	Köln WL	2
4	2000	800	Köln Ost Retoure	1
5	2000	850	Köln West R	1

The bottom status bar shows the data flow name: 'DF_MDG_RDM_LS_EXT_STORAGE_LOC - Datenfluss'.

SAP DS: Validation

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Validation Rule: `Validate_Length`

Target Table: `VAL_LEGACY_DATA_STORAGE_LOC_VALID(DS_STG_OBJ_INIT.DS_OWNER)`

Resulting Error Table: `VAL_LEGACY_DATA_STORAGE_LOC_INVALID(DS_STG_OBJ_INIT.DS_OWNER)`

RUN_ID	WERK	LAGERNUMMER	LAGERNAME	DISPO
2	1000	200	Hamburg Refoure	1
3	2000	100	Koeln WL	2
4	2000	800	Koeln Ost Refoure	1
5	2000	850	Koeln West R	1

RUN_ID	WERK	LAGERNUMMER	LAGERNAME	DISPO	DI_ERRORACTION	DI_ERRORCOLUMNS	DI_ROWID
1	1000	100	Hamburg Warenlager	1	F	Validate_Length fehlgeschlagene Regel(n): LAGERNAME	1,000000

Datensatz: 1 | 1 | von 1

DF_MDG_RDM_LS_DXT_STORAGE_LOC - Datenfluss | DF_MDG_RDM_LS_VAL_STORAGE_LOC - Datenfluss

SAP DS: Transformation

The screenshot displays the SAP Data Services transformation editor. At the top, a process flow diagram shows a source table 'VAL_LEGACY_DATA_STORAGE_LOC_VALID(DS_STG_OBJ_INIT_DS_OWNER)' connected to a 'Dry_Transform' transformation, which is then connected to a target table 'WRK_LEGACY_DATA_STORAGE_LOC(DS_STG_OBJ_INIT_DS_OWNER)'. Below the diagram, two data tables are shown side-by-side, representing the source and target data respectively.

Source Table: VAL_LEGACY_DATA_STORAGE_LOC_VALID(DS_STG_OBJ_INIT_DS_OWNER)

RUN_ID	WERK	LAGERNUMMER	LAGERNAME	DISPO
2	1000	200	Hamburg Retoure	1
3	2000	100	Köln WL	2
4	2000	800	Köln Ost Retoure	1
5	2000	850	Köln West R	1

Target Table: WRK_LEGACY_DATA_STORAGE_LOC(DS_STG_OBJ_INIT_DS_OWNER)

LGORT	TXTSH	LGORBE	LG_VTWEG	PLANT	LGVKORG
0200	<NULL>	Hamburg Retoure	<NULL>	1000	<NULL>
0100	<NULL>	Köln WL	<NULL>	2000	<NULL>
0800	<NULL>	Köln Ost Retoure	<NULL>	2000	<NULL>
0850	<NULL>	Köln West R	<NULL>	2000	<NULL>

At the bottom of the interface, the status bar shows 'Datensatz: 1 von 4' for both tables and the overall process name 'DF_MDG_RDM_LS_TRA_STORAGE_LOC - Datenfluss'.

SAP DS: Loading

