

# MAE XTRO

SAP Master Data Governance



**Maextro UI5 features**

Jan 2024

# What is the UI5 upgrade?

Moving away from GUI & Slipstream interface

MAE X TRO

Currently Maextro uses GUI and Slipstream (webGUI) engines for its user interface / front end.

The team have been working hard on delivering a complete BTP UI5 front end for Maextro which will provide you with the below improvements over existing applications.

## Benefits including...

- Landscape patching dependencies removed
- Improved user experience and design
- Streamlined template selection with 'Favorites' functionality
- Addition of easy column freezing / sorting for table controls
- Improved long text definition
- Ability to view attachments in app without downloading
- Addition of switch / dropdown controls
- Ability to copy or add values to mass table rows
- A new home/landing page tailored to your user

The screenshot displays the Maextro UI5 interface on a tablet. The top navigation bar includes a back arrow, the title '30484 - Request approval', and links for 'Import / Export', 'Comments', and 'Attachments'. Below this, a secondary bar shows 'Data Entry', 'Attachments', and 'Comments'. The main content area is titled 'twd/50086420 Please enter additional details for your material'. The form is organized into two columns with various input fields and checkboxes. Fields include 'Material Number' (50086420), 'Material Description' (twd), 'Prod./insp. memo', 'Industry Std Desc.', 'Page format', 'CAD indicator' (with a red 'X' icon), 'Basic material', 'Medium', 'DG indicator profile', 'Environmentally rvt', 'DG Packaging Status', 'In bulk/liquid', and 'Packaging Code'. The right column contains 'Highly viscous', 'No Link', 'Document', 'Document type', 'Doc. Version', 'Page number', 'Document change no.', 'Page format', 'Number of sheets' (000), 'Cross-plant CM', and 'Mat. is configurable'. A 'Variant' field is at the bottom right. A vertical sidebar on the left contains icons for home, search, and settings.

# New template selection screen

Streamlined selection and marking templates as favourites

MAE X TRO

The existing template selection requires you to enter all other header information before selecting from a list of templates.

The new streamlined experience provides you with your relevant templates right from the get go, grouped by object with easy search functionality and filters for request type.

There is also the addition of a 'Favorites' option where you can select your most used templates to be presented to you as soon as you launch the app to save you time and clicks.

Additional header information is then entered at the next step.

Old

The 'Old' screen is a form titled 'Header' with a dropdown arrow. It contains the following fields:

- Request Type: Create (dropdown)
- CR Description: test (text input)
- Object Name: Material, BOM & Routings. (dropdown)
- Sub Object: Materials (text input)
- Org. Division: DEMO DIVISION CODE (text input)
- Reason Code: Create New Material (text input)
- Priority: Low (text input)
- Template ID: (text input)
- Expected Compl. Dat: (text input)

A list of templates is shown below the form, including:

- RDS - Material Master Create (Split data c
- RDS - Material Master Create (Single data
- RDS: Sales Condition create
- Mass Material test
- Maextro Rewrite (Copy)
- Gav excel download/upload test template
- Gav test template (MATNR) - NEW Tcode
- Simple Test template for BD1 view only
- Maextro rewrite components template
- Training template (testing)
- UI5 : Material testing 1

New

The 'New' screen is titled 'Choose a template for your request'. It features a top navigation bar with tabs: Favorites, All, Create, Change, Extend, and Align. A search bar is located to the right of the tabs. The main content area is titled 'Material, BOM & Routings.' and displays a list of templates grouped under 'Materials'.

Template ID	Template Name	Action
U1	UI5 : Material testing 1	Create
70	RDS: Sales Condition create	Create
ST	Training template (testing)	Create
KB	Simple Test template for BD1 view only	Create

At the bottom of the screen, there are 'Previous' and 'Next' buttons.

# Column Freeze and sorting

New easy column sorting and column freezing

MAEXTRO

The current table controls are limited to only 'select all' and 'deselect all' functionality.

In the UI5 version we have added simple and flexible functionality that allow you to sort, search and even freeze individual columns, allowing you to view the table as you desire and simplify mass processing and views with a large amount of data.

0000045705 Create X0001

Upload / Download Status Complete all Search Data Logs Submit Task

Data Entry Attachments Comments

Please enter your material details

	Material	Material Description *	Base Unit of Measure *	EAN/UPC	Lab/Office	Weight Unit	Gross Weight	Net Weight	Authorization Gro
<input type="checkbox"/>	50309035	ABCDE	EA	<a href="#">Maintain Long Text</a>					
<input type="checkbox"/>	50309036	ABCDE	EA	<a href="#">Maintain Long Text</a>					
<input type="checkbox"/>	50309037	ABCDE	EA	<a href="#">Maintain Long Text</a>					
<input type="checkbox"/>	50309038	ABCDE	EA	<a href="#">Maintain Long Text</a>					
<input type="checkbox"/>	50309039	ABCDE	EA	<a href="#">Maintain Long Text</a>					
<input type="checkbox"/>	50309040	ABCDE	EA	<a href="#">Maintain Long Text</a>					
<input type="checkbox"/>	50309041	ABCDE	EA	<a href="#">Maintain Long Text</a>					
<input type="checkbox"/>	50309042	ABCDE	EA	<a href="#">Maintain Long Text</a>					
<input type="checkbox"/>	50309043	ABCDE	EA	<a href="#">Maintain Long Text</a>					
<input type="checkbox"/>	50309044	ABCDE	EA	<a href="#">Maintain Long Text</a>					
<input type="checkbox"/>	50309045	ABCDE	EA	<a href="#">Maintain Long Text</a>					
<input type="checkbox"/>	50309046	ABCDE	EA	<a href="#">Maintain Long Text</a>					
<input type="checkbox"/>	50309047	ABCDE	EA	<a href="#">Maintain Long Text</a>					
<input type="checkbox"/>	50309048	ABCDE	EA	<a href="#">Maintain Long Text</a>					
<input type="checkbox"/>	50309049	ABCDE	EA	<a href="#">Maintain Long Text</a>					

Status Complete

# Long Text improvements

## Long text improvements for table controls



Currently for Long text fields inside table controls, you must select the row, open the long text dialog and then navigate to the desired fields to update.

In UI5 you are able to select the field itself to navigate straight to the entry screen for that field. We also added a clearer identifier when long text has been maintained.

<

Please enter your material details

>

✓

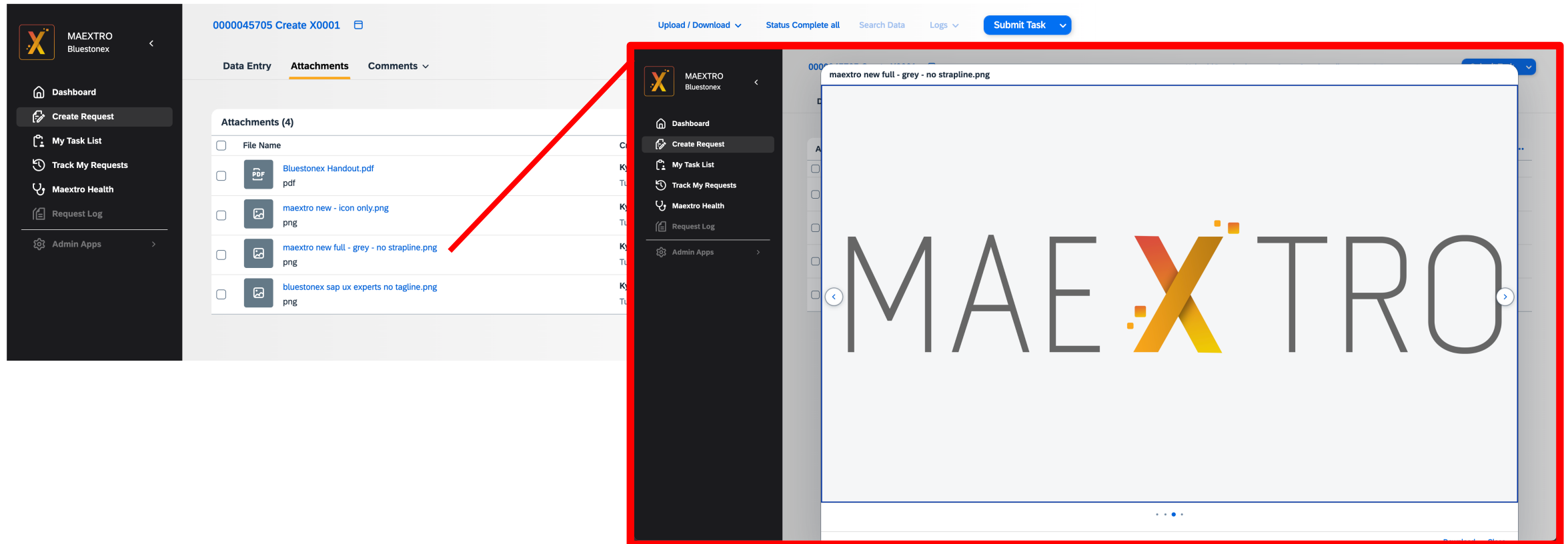
	Material	Material Description *	Base Unit of Measure *	EAN/UPC	Lab/Office	Weight Unit	Gross Weight	Net
<input type="checkbox"/>	50309035	ABCDE	EA	<input checked="" type="radio"/> Long Text Maintained				
<input type="checkbox"/>	50309036	ABCDE	EA	<input type="radio"/> Maintain Long Text				
<input type="checkbox"/>	50309037	ABCDE	EA	<input type="radio"/> Maintain Long Text				

# Attachment display

Viewing an attachment without downloading

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Currently to view an attachment you must first download it to your machine. In the new UI5 application, if a file type is preview support such as images or PDFs, it can be displayed directly in the app without the need to download,



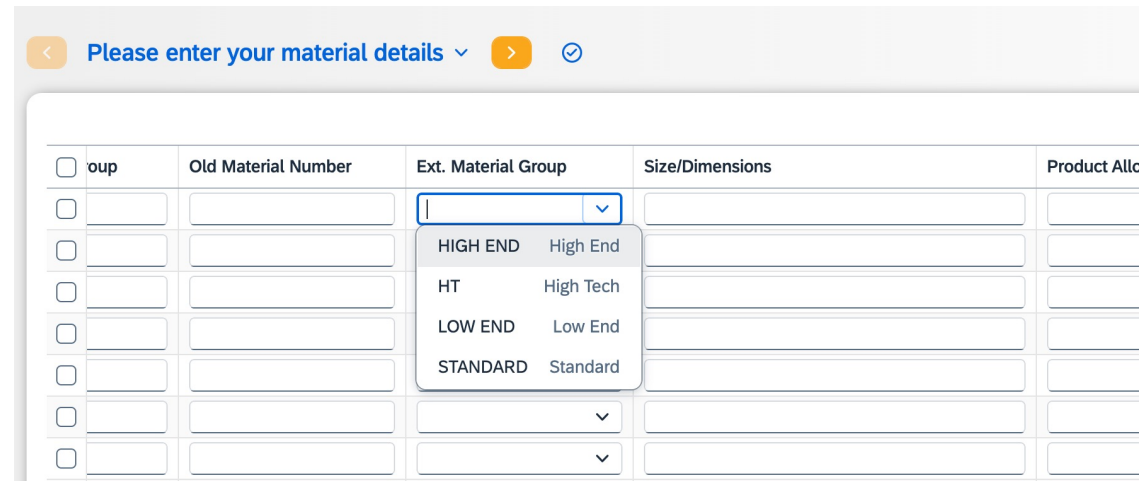
# New field controls

## Switches and dropdown controls

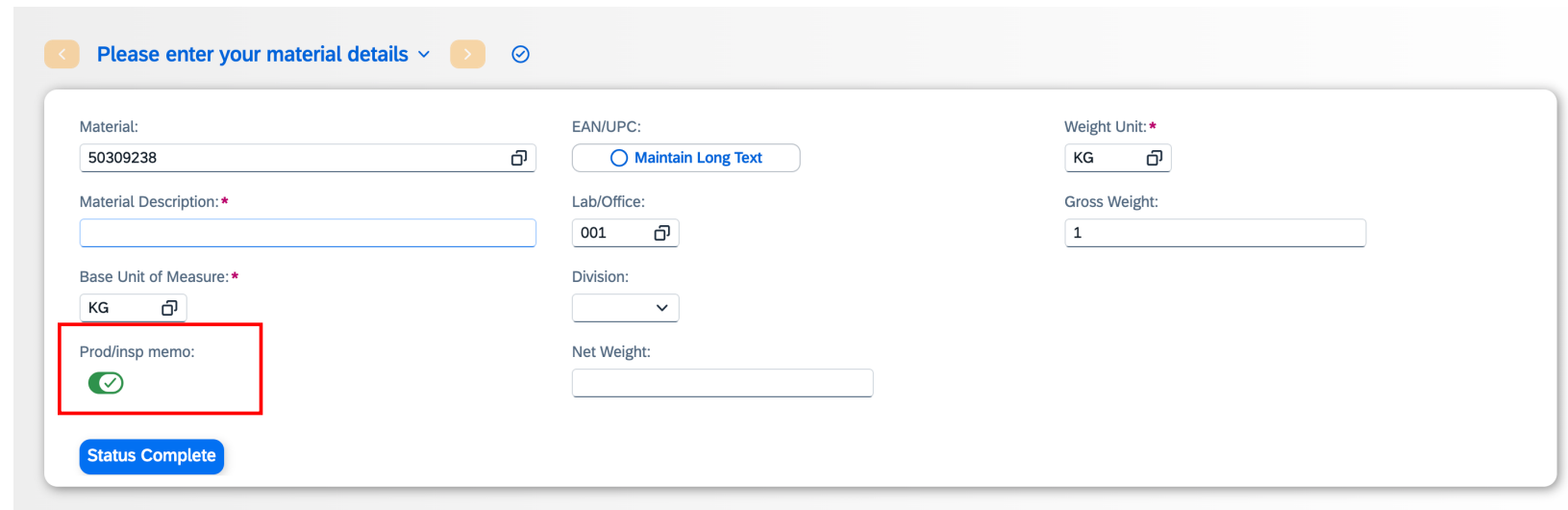
With UI5 we have introduced some new field controls to speed up data entry.

These include...

- A drop down field that displays f4 data directly under the field without the need to open up the search help.
- A switch control for Y/N & X/Blank fields, allowing 1 click processing.



A screenshot of a web application interface showing a table with five columns: 'oup', 'Old Material Number', 'Ext. Material Group', 'Size/Dimensions', and 'Product Allc'. The 'Ext. Material Group' column has a dropdown menu open, displaying four options: 'HIGH END High End', 'HT High Tech', 'LOW END Low End', and 'STANDARD Standard'. The table has several rows, some with input fields and some with dropdown arrows.



A screenshot of a web application interface showing a form with various input fields and a switch control. The form is titled 'Please enter your material details'. It includes fields for 'Material:' (50309238), 'Material Description: \*', 'Base Unit of Measure: \*' (KG), 'Prod/insp memo:' (with a green checkmark icon), 'EAN/UPC:' (Maintain Long Text), 'Lab/Office:' (001), 'Division:', 'Net Weight:', 'Weight Unit: \*' (KG), and 'Gross Weight:' (1). A 'Status Complete' button is at the bottom.

# Mass copy / update

Updating multiple rows at once

MAE X TRO

U15 allows you enter or copy a rows data and apply it to additional rows in your view.  
This particularly helps with mass processing.

The screenshot displays the MAE X TRO interface. At the top, a header bar contains a navigation menu with a back arrow, the text "Please enter your material details", and a search icon. Below this is a table with the following columns: Material\*, Material Description, Base Unit of Measure\*, Material Group, Prod/insp memo, EAN Category, and EAN/UPC. The table contains six rows of data, each with a checkbox in the first column. A red box highlights the "Apply data to all rows" modal, which is open over the table. The modal contains fields for Material\*, Material Description (with the value "test"), Base Unit of Measure\* (with the value "G"), Material Group, Prod/insp memo (with a red "X" icon), EAN Category, EAN/UPC, Gross Weight, Net Weight, Weight Unit, X-plant matl status, Gen. item cat. grp, Test long text, and Product hierarchy. A "Confirm" button is highlighted in the bottom right corner of the modal. A red arrow points from the "Apply data to all rows" button in the table header to the modal. Another red box highlights the "Status Complete" button at the bottom left of the table.

Material*	Material Description	Base Unit of Measure*	Material Group	Prod/insp memo	EAN Category	EAN/UPC
<input type="checkbox"/> 50309239	Your description here	EA	00107	<input checked="" type="checkbox"/>		
<input type="checkbox"/> 50309240	Your description here	EA	00107	<input checked="" type="checkbox"/>		
<input type="checkbox"/>	Your description here	EA	00107	<input checked="" type="checkbox"/>		
<input type="checkbox"/>	Your description here	EA	00107	<input checked="" type="checkbox"/>		
<input type="checkbox"/>	Your description here	EA	00107	<input checked="" type="checkbox"/>		
<input type="checkbox"/>	Your description here	EA	00107	<input checked="" type="checkbox"/>		

Status Complete



# Old vs New

Existing UI



MAEXTRO - Create Request

Clear Form Save As Draft Process List Show Views Search Data Create Attachment View Attachment Comments Rule Log Status Complete all Upload Download Alt. descriptions

Request Header

Request Type: Create

CR Description: test

Object Name: Material, BOM & Routings.

Sub Object: Materials

Org. Division: DEMO DIVISION CODE

Reason Code: Create New Material

Priority: Low

Template ID: UIS : Material testing 1

Expected Compl. Dat: 05.02.2024

Previous (Basic Data 1 View) Next

Status Complete

RecNo	Material	Material Description	Base Unit of Measure	Material Group	Prod/insp memo	EA
1	50309245	Your description here	EA	00107		
2	50309246	Your description here	EA	00107		

MAEXTRO - Task List For User ( KBARNFIELD )

Refresh Task List Show Proc. Tracker Process Overview Activity Log View Attachment Comments Owner Group Users Review Task Reassign Task Forward Task Escalate Task

Filter Task List

Request Type

Object

Template

Owner Group

Created By

Sort Desc. (Request No.)

Ready to Process

High Priority

Overdue Task(s)

Approval Task(s)

Clear all filters

View CR Details

External Ref	CR N...	Change Request Description	Request Type	Object	Priority	Task Seq.	Task Ref.	Task Action	Task Dep.	Target Date	Owner Group	Task Status	Key
44883	kb rej test	Create	Materials	Low	100	Standard	Approve Request			23.01.2024	BC SETS: Data approval group		
44883	kb rej test	Create	Materials	Low	200	Standard	Final Approval		0100	23.01.2024	BC SETS: Data approval group		
44887	GR info mesg	Change	Vendor	High	200	Standard	Final approval of Vendor chnge			25.01.2024	Master data team		
44895	crt for mesgh test	Create	Vendor	High	200	Standard	General Vendor data Collection			25.01.2024	Master data team		
44895	crt for mesgh test	Create	Vendor	High	300	Standard	Finance Vendor Data Collection			25.01.2024	Data owner finance		
44895	crt for mesgh test	Create	Vendor	High	400	Standard	Purchasing Vendor Data Collectn			25.01.2024	Data owner purchasing		
44895	crt for mesgh test	Create	Vendor	High	500	Standard	Vendor Master Data Approval			26.01.2024	Master data team		
44920	Test	Change	Bill of Materials	Low	100	Standard	M-BOM Data Approval			24.01.2024	RDS Data Owner Group.		
44929	Test	Change	Bill of Materials	Low	100	Standard	M-BOM Data Approval			24.01.2024	RDS Data Owner Group.		
44944	Test	Change	Bill of Materials	Medium	100	Standard	M-BOM Data Approval			24.01.2024	RDS Data Owner Group.		
44971	Test	Change	Bill of Materials	Low	100	Standard	M-BOM Data Approval			24.01.2024	RDS Data Owner Group.		
44979	MUI5 Test 1	Create	Materials	Low	100	Standard	Request approval			24.01.2024	BC SETS: Request approval group		
44979	MUI5 Test 1	Create	Materials	Low	400	Standard	Sales data collection		0100	25.01.2024	BC SETS: Data gathering group 1		
44979	MUI5 Test 1	Create	Materials	Low	500	Standard	Purchasing data collection		0400	26.01.2024	BC SETS: Data gathering group 1		
44979	MUI5 Test 1	Create	Materials	Low	600	Standard	MRP data collection		0500	29.01.2024	BC SETS: Data gathering group 1		
44979	MUI5 Test 1	Create	Materials	Low	800	Standard	QM data collection		0600	30.01.2024	BC SETS: Data gathering group 1		
44979	MUI5 Test 1	Create	Materials	Low	900	Standard	Warehousing & storage data col		0800	31.01.2024	BC SETS: Data gathering group 1		
44979	MUI5 Test 1	Create	Materials	Low	1000	Standard	Finance data collection		0900	01.02.2024	BC SETS: Data gathering group 1		
44979	MUI5 Test 1	Create	Materials	Low	1100	Standard	Final data approval			01.02.2024	BC SETS: Data approval group		
44980	test	Create	Materials	Medium	100	Standard	Request approval			24.01.2024	BC SETS: Request approval group		
44980	test	Create	Materials	Medium	400	Standard	Sales data collection		0100	25.01.2024	BC SETS: Data gathering group 1		
44980	test	Create	Materials	Medium	500	Standard	Purchasing data collection		0400	26.01.2024	BC SETS: Data gathering group 1		
44980	test	Create	Materials	Medium	600	Standard	MRP data collection		0500	29.01.2024	BC SETS: Data gathering group 1		
44980	test	Create	Materials	Medium	800	Standard	QM data collection		0600	30.01.2024	BC SETS: Data gathering group 1		

# Old vs New

New UI

MAE X TRO

[Dashboard](#)

[Create Request](#)

[My Task List](#)

[Track My Requests](#)

[Maextro Health](#)

[Request Log](#)

[Admin Apps](#)

0000045717 Create X0001

Upload / Download Status Complete all Search Data Logs Submit Task

Data Entry Attachments Comments

Please enter your material details

Material	Material Description
50309247	Your description here
50309248	Your description here

Status Complete

[Dashboard](#)

[Create Request](#)

[My Task List](#)

[Track My Requests](#)

[Maextro Health](#)

[Request Log](#)

[Admin Apps](#)

NA Request Type All

Object All

Owner Group All

KB Created by Kyle Barnfield

Search for request

Select Filters

Work List Work Board Timeline

45355 - kb MAV test

Finance data collection

Due: Monday, 5 February 2024

BC SETS: Data gathering group 1

Ready to Process

Final data approval

Due: Monday, 5 February 2024

BC SETS: Data approval group

Multiple Dependencies

45296 - kb st ui test

Upload additional docs

Due: Friday, 26 January 2024

BC SETS: Data gathering group 1

Ready to Process

Review Upload data

Due: Friday, 26 January 2024

BC SETS: Data approval group

Ready to Process

BOM creation

Due: Monday, 29 January 2024

BC SETS: Data approval group

Pending Step 0200

45255 - kb scroll test

Request approval

Due: Thursday, 25 January 2024

BC SETS: Request approval group

Ready to Process

# MAE XTRO

SAP Master Data Governance

**Bluestonex**  
The SAP UX experts

**Maextro Core Enhancements**

Jan 2024

# Enhancements

## Core enhancements



### Performance Improvements

Major architectural changes done to core for performance improvements and this is delivered via set of new tcodes

/BSXC/MXTCRN\_30 – Create request  
/BSXC/MXTACRN\_30 – Approve request  
/BSXC/DATA\_VIEWS\_30 – Data gathering.

### What has changed ?

- Structure of GT\_FIELD\_VAL table has been changed from flat to nested structure
- Code has been migrated to latest ABAP Syntax which is cloud ready

### Features

- Significant performance & memory utilisation improvements for mass scenarios.
- One source code for all – Core, Odata , Std checks & user exits.
- Removed restriction on number of fields that can be added now ( limit apply only on GUI screen )

### Change Impact

- Existing user exits & std checks might not work as expected.
- Direct read from GT\_FIELD\_VALUE is not recommended going forward

# Enhancements

## Core enhancements



### Button control

All additional functions ( buttons ) can be controlled via process step configuration.

This feature will allow users to :

1. Hide buttons for the given process and step
2. Change label of buttons
3. Change Icon ( not relevant for UI5)
4. Change tool tip of buttons .

**Approve and Reject buttons cannot be hidden.**

### Why ?

- Gives users more control when designing process to control labels specific to business process.
- Remove clutter by hiding buttons which are not required for the process ( e.g review, attachment .etc..)

**Display View "Maextro : Config View For Process (Steps)": Data**

Object Name: X0001 Material, BOM & Routings.  
Process ID: D0C1 Document test process  
Process Step: 100 Final approval

**Process Task**

Task ID: DATAAPP Data Approval  
Task Description: Final approval  
Owner Group: BC\_APPDATA BC SETS: Data approval group  
Dependency Step: 0  
Lead Time (In Days): 1  
Process step group code:

**General**

☐ Multi Task Dependency  
☐ Mass Auto Task Complete  
☐ Ind : Same User Proc. Check

**Data approval controls**

Rejection not allowed to step(s) => Step No  
☐ Indicator no popup window with Rejection

Default rejection reason code  
Default step no for rejection: 0

**Define toolbar buttons** **Button controls**  
Loop back step: Define Loop Steps

# Enhancements

## Core enhancements



### Rejection control

Rejection attributes can now be controlled via process step configuration :

- Default Reason codes
- Rejection step no
- Rejection popup box

### Why ?

- To restrict rejection to specific step no
- To automate process of rejection via external interface by defaulting reason codes and step no

#### Display View "Maextro : Config View For Process (Steps)": Data

The screenshot shows the 'Display View "Maextro : Config View For Process (Steps)": Data' window. It contains several sections for configuring process steps. The 'Process Task' section includes fields for Task ID, Task Description, Owner Group, Dependency Step, Lead Time (In Days), and Process step group code. The 'General' section has checkboxes for 'Multi Task Dependency', 'Mass Auto Task Complete', and 'Ind : Same User Proc. Check'. The 'Data approval controls' section includes a 'Rejection not allowed to step(s) =>' field, a 'Step No' field, and a checkbox for 'Indicator no popup window with Rejection'. The 'Default rejection reason code' and 'Default step no for rejection' fields are also present. A red box highlights the 'Indicator no popup window with Rejection' checkbox and the 'Default step no for rejection' field.

Object Name	X0001	Material, BOM & Routings.
Process ID	D0C1	Document test process
Process Step	100	Final approval

Process Task

Task ID	DATAAPP Data Approval
Task Description	Final approval
Owner Group	BC_APPDATA BC SETS: Data approval group
Dependency Step	0
Lead Time (In Days)	1
Process step group code	

General

<input type="checkbox"/> Multi Task Dependency	<input checked="" type="checkbox"/> Multi Dependency
<input type="checkbox"/> Mass Auto Task Complete	
<input type="checkbox"/> Ind : Same User Proc. Check	

Data approval controls

Rejection not allowed to step(s) =>	Step No
<input type="checkbox"/> Indicator no popup window with Rejection	
Default rejection reason code	
Default step no for rejection	0
Define toolbar buttons	Button controls
Loop back step	Define Loop Steps

# Enhancements

## Core enhancements

### New default value

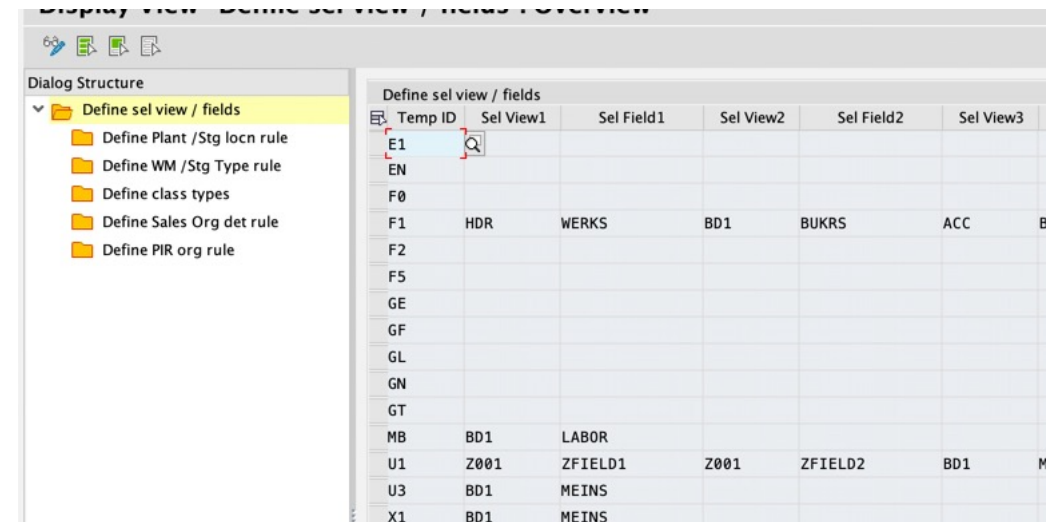
Following new default value options added

- #CR\_NO : Returns current CR NO
- =#VIEW-FIELD \* N : Multiplication option for numeric values
- #LENGTH(#VIEW-FIELD1) – Returns length of a field

### Object specific configuration

New structures added for plant , sales org, warehouse, classification and PIR's.

This offers significant flexibility to control org determination in mass processing scenarios where plants/sales org might be different for materials being created in the same CR



## Task list enhancements

- Two new user parameter ID's /BSXC/P\_TASK\_RDY2PRO & /BSXC/P\_TASK\_SORTDES added to show only open tasks and approval tasks.

## Rule type 11 enhancement

Added new default value options for rule type 11 to allow variables for owner group and user id.

Object Name

X0001

Material, BOM & Routings

Rule Type

11...

Workflow

Rule ID

T001

test

Maextro : Config View For Rule (Workflow)

Proc ID	Procss Description	Proc Step	New Owner	Owner Description	Default Value OGRP	Default Value User
EN01	Maextro Rewrite Process A (new mxt)	100	BC_APPDATA	BC SETS: Data approval group		



# Enhancements

## Core enhancements

### Excel download

- A new option is added to allow excel templates without status complete.
- Validation of data during excel upload process

**Display View "Define template ID's": Details**

Dialog Structure

- ▼ Select objects
- ▼ Define template ID's
  - ▼ Select rule type
  - Assign rules

Object Name  Material, BOM & Routings.

Template ID

Define template ID's

Template Desc

Process ID

Request Type

Sub Object

☒ Search required

☐ Allow template chg

☐ Allow VW Sel

☒ Record notes against SAP object

☐ No Email Notif to next step

☐ No User Conf For Task Del

☐ No Rule Log

☐ Do not Delete Rule Log

☐ Mass Auto Status Complete

☐ Download xls file w/o sts compl

Excel Upload Inst

# MAE XTRO

**Thank you!**



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