

ERP-29 System generated consecutive Project numbers as per Naming conventions

Status	Approved
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Jira Development ID	<div style="border: 1px solid orange; padding: 5px;">  ERP-29 - Jira project doesn't exist or you don't have permission to view it. </div>

High- Level Specification

Parameter	Value
Application System	S/4Hana ROW, S/4Hana China, S/4Hana CUI
Business Process Reference	10.01.01.04. Identify Initiatives and Items

Functional Overview

The functional design of the enhancements describes the scenario(s) where enhancements to existing SAP programs are required.

Scope and Objectives

All Capital and Expense projects Structures will be initiated as Items in PPM with the exception of some Finance cost buckets (such as Recharge project and Statistical Projects). Once approved they will generate a corresponding PS Project so there is a 1:1 relationship between the Item and the PS Project.

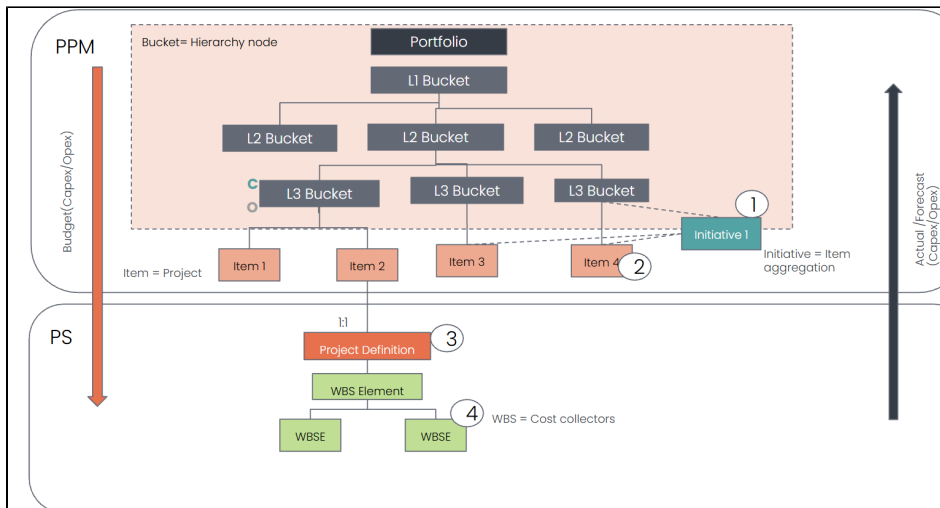
Standard PPM provides system generated number for PPM items which is 24 digit number with FY Suffix. PS Project is automatically created and inherits this 24digit number which is not aligned with coding mask. The numbering is not ideal and have no mask or identification.

On the other hand PS allows coding masks which begin with an alphabet and provides a clear distinction of the type of project being (A-000001) Asset Project , (R-000001)R&I project, (E-000001) Expense Project. Project Coding mask is mandatory for Creating WBS elements and generating WBS numbers in a hierarchy.

In the same way Initiative number is required to be defined as alphanumeric coding mask IN-00001.

Therefore there is a need to enhance the PPM item number.

Process Flow Diagram



Step	Description	Comment
1.	PPM Initiative	<p>In standard PPM, the Initiative is automatically assigned a sequential 20-digit number, suffixed by current year as an identifier.</p> <p>This enhancement provides capability to customise 'coding masks' for the identifier so that they conform to a specific format.</p> <p>For example, the coding mask 'IN-XXXXXX' will generate sequentially numbered identifiers in the format IN-000001 etc.</p>
2.	PPM Item	<p>In standard PPM, the Item is automatically assigned a sequential 20-digit number, suffixed by current year as an identifier.</p> <p>This enhancement provides capability to customize 'coding masks' for the identifier so that they conform to a specific format.</p> <p>For example, the coding mask 'A-000000' will generate sequentially numbered identifiers in the format A-000001 etc.</p> <p>The enhancement also provides for hierarchical Initiative -> Item coding masks, but this is not part of the Syway Design</p>
3.	PS Project Definition	<p>The PS Project Identifier format is defined by a coding mask in standard PS configuration.</p> <p>The identifier of the PS Project will be inherited from the PPM Item from which it is generated, so the PPM and PS masks must align.</p>
4.	WBS Element	<p>The WBS Element Identifier format is defined by the same PS coding mask and the Project Definition.</p> <p>The PS coding mask includes the format for hierarchical suffixes which are automatically generated based on the level of the WBS Element in the Project Hierarchy.</p> <p>For example, the coding mask "A-000000-XX-XX" will generate the following identifiers:</p> <ul style="list-style-type: none"> Level 1 – A-000001 Level 2 – A-000001-01 Level 3 – A-000001-01-01

Assumptions

There is separate numbering range defined for Rest of world, China and CUI instance, so the numbers do not overlap. Such as,

A-100000 to A-199999 in ROW Instance

A- 900000 to A-999999 in China

A- 800000 to A-899999 in CUI

Dependencies

None

Security, Integrity and Controls

There is no specific security required for this enhancement

Configuration Requirements

The following configuration will be completed, based on this enhancement:

- Number ranges for Initiative & Item identifiers
- Initiative coding mask
- Item coding mask

Language Requirements

Coding Mask will only be maintained in English

Special Requirements

Please refer to Assumptions section

Design Rationale

Functional Requirements

Please refer to the Scope and Objectives section

Proposed Technology to Use

Below SAP note to be implemented

[SAP Advance Numbering Note](#)

Data Source Considerations

N/A

Table	Field Name	Comments/Calculation/Field Manipulation

Data Validation Considerations

N/A

Table	Field Name	Comments/Calculation/Field Manipulation

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Custom Tables

None

Master Data

N/A

Field	Description	Data Type/Length	Validation rule/ Value Help

Configuration Table

Field	Description	Data Type/Length	Validation rule/ Value Help

Selection Screen Enhancement

N/A

Field Name	Description	Select:	Data Type/Length	Default Value/ Validation rule/ Value Help	Selection Logic

Processing Logic

Please refer to the SAP Note in " Proposed Technology to use" Section

Volumetrics

- A coding mask configuration entry is required for each Item & Initiative Type approximately 25 Item types
- 3 number ranges are required; Capex Items, Expense Items, R&D Items, Initiatives

Performance Considerations

Item and Initiative Ids will be automatically generated in real-time on creation of the object

Error Handling

Any errors are to be written to the Item or Initiative message log as per standard PPM. Object Should not be created without number

Testing

How to Test

Test Conditions and Expected Results

ID	Condition	Expected Result
1	Create a new Industrial Project with Qualification item	Item is assigned identifier according to Capex coding mask with next sequential number
2	Create a New Product Introduction Item	Item is assigned identifier according to R&D coding mask with next sequential number
3	Create a new Initiative	Initiative is assigned identifier according to Initiative coding mask with next sequential number
4	Create a New IT Small Project item	Item is assigned identifier according to Capex coding mask with next sequential number
5	Create a New Opex Project Item	Item is assigned identifier according to Expense coding mask with next sequential number
6	Update an existing Item and save	No impact on identifier
7	Update an existing Initiative and save	No impact on identifier
8	Approve Item and generate the PS Project	PS Project inherits same identifier as Item
9	Create new Item of same type in 3 instances	Item assigned identifier as per defined coding and number range

Test Considerations/Dependencies

PPM Buckets are required for Testing

Other Information

Development Details

Package

Package Name	Parent Package

Enhancement Implementation

Enhancement Type	Standard Definition Name	Custom Implementation Name	Design Rationale Reference

Other Development Objects

Object Type	Object Name	Purpose/High Level Logic	Design Rationale Reference
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Appendix

Custom Authorization Group Naming Convention

This table is based on the Syensqo development standards document. It provides the naming conventions for authorization groups to associated with custom reports and tables to comply with security requirements.

ABAP	ZFI	ZMM	ZPS	ZCO	ZSD	ZBC	ZFI	ZCA
TABLES	ZFIT	ZMMT	ZPST	ZCOT	ZSDT	ZBCT	ZFIT	ZCAT

See also

File **Modified**

No files shared here yet.

Change log

Version	Published	Changed By	Comment
CURRENT (v. 4)	Aug 15, 2025 11:39	WENNINGER-ext, Sascha	
v. 3	Jul 15, 2025 14:46	UPADHYAY-ext, Anjali	
v. 2	Jul 14, 2025 14:59	UPADHYAY-ext, Anjali	
v. 1	Jul 14, 2025 12:20	UPADHYAY-ext, Anjali	