

**SAP S/4 HANA MASTER DATA GOVERNANCE**

*Customer*

**2021-02**

MASTER DATA GOVERNANCE, MATERIAL

*DEMO EXPERIENCE*

**Validation of Material**



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## **Background**

BRF Plus is often used to create self-defined checks as validation rules. Validations in BRF+ can be used to ensure business consistency using functions, rules and actions. It is very common in companies to implement validations to ensure that all materials are created in a consistent manner. For example, it can be used to ensure each material created has been created and saved with a Lab field, a validation can ensure that the material cannot be created until the lab field is filled out.

## **Business Scenario**

This can be done for many reasons a very simplistic example is if a customer is moving from a legacy system to an SAP system if they want to add a new material but still retain their old material number. Initially they can do this and possibly forget about the old material number as there is no validation. We can add a validation check to ensure anytime a material is created that the user will be prompted to input their old material number.

## **Locate Validation rules page**

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| --- | --- |
| i) In SAP easy Access search IMGMDG  ii) Open General settings à Data Quality and Search à Validations and Enrichments then click on Validation and Derivation rules (follow Highlighted blocks below)  *A simpler way to find this is by inputting transaction code : usmd\_rule*  iii) Enter MM into data model and click continue. If prompted click local object |  |

## **Creating a RuleSet**

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| --- | --- |
| i) Open Data Object you will see the framework. The list is all the fields from The MM model we opened  ii)Open Trigger Function à check entity.  *Check entity is used for Validation* |  |

|  |  |
| --- | --- |
| *The naming functions must follow Check\_material eg: RS\_BISMT & RS\_MATKL are other examples of the naming convention method*  iii) Open Assigned Rulesets \_-> click edit and then à create RuleSet  iv) Enter the following: |  |
| *name: RS\_BISMT*  *Short text: Validate Old MN*  *Text: Validating that old material number is filled*  *V) Click create and navigate to object* |  |

## **Creating Rules**

|  |  |
| --- | --- |
| *Here you can choose select either if you have previous rules created you would like to use but in our case we will create a new rule*  ii) click on Assign Condition à Use Value Range from .. à Default Objects à Current User  *This is essentially saying the rule validation will only apply to a specific user. Usually this is not something we would do with a customer but possibly could be done for Dates or time constraint projects.* |  |
| iii) Input your user number so the current user is equal to you  iv) Click change Condition à add conditions |  |
| v) Change the operand to AND so you can ensure the condition is applied to your user. By placing the and it ensure that the rules are mandatorily needed simultaneously rather than only one of either being needed |  |
| Like before with the Current User we will be assigning a condition.  Vi) Assign Condition à Use Value Range from .. à context à old material number  Vii) change “is equal to” to “is initial” this check if it is blank |  |

## **Creating an Action**

*If this condition matches we must then input what happens for eg: If Old material number is blank then we must give a warning or error*

|  |  |
| --- | --- |
| Vii) Click Add à Perform Action à Create.  We will be creating our own action as we want to display a message specific to our rule set. |  |
| Viii) Type choose Log Message (action)  Choose whichever naming conventions you like.  In our case I have chose ‘Old MN msg’ to represent amessage for Old material number  The Text is what will be displayed when the rule is triggered  Click create and navigate to object |  |

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| --- | --- |
| Viiii) Click create then okay and activate the rule à click yes when prompted |  |

