SAP MM: Purchase Requisition with Classification and Workflow Approval



Applies to:

SAP 4.7 and above, SAP-MM-PUR-REL.

For more information, visit the Enterprise Resource Planning homepage.

Summary

The Document details the customizing settings required for purchase requisition release strategy set up and the workflow settings necessary to automate the approval process. The document also illustrates a one step header level release approval process with classification system.

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Introduction

Purchase Requisition Approval Can be through

⇒ With Classification.

With this procedure, requisitions can be released both at **item level** (i.e. item-by-item) and **in total**. The latter approach is also termed "overall release

⇒ Without Classification.

With this procedure, requisitions can only be released at item level.

WITH CLASSIFICATION.

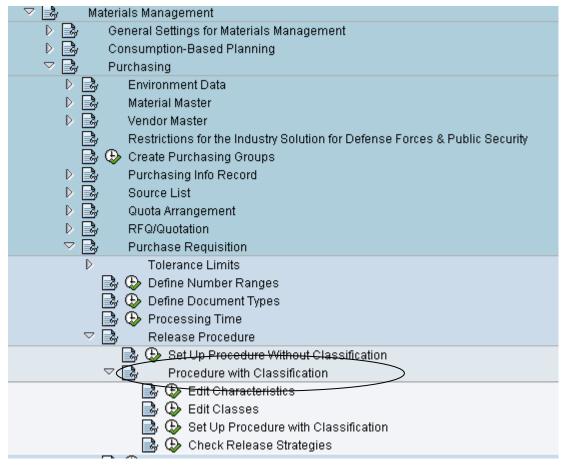


Fig-1

Communication Structure

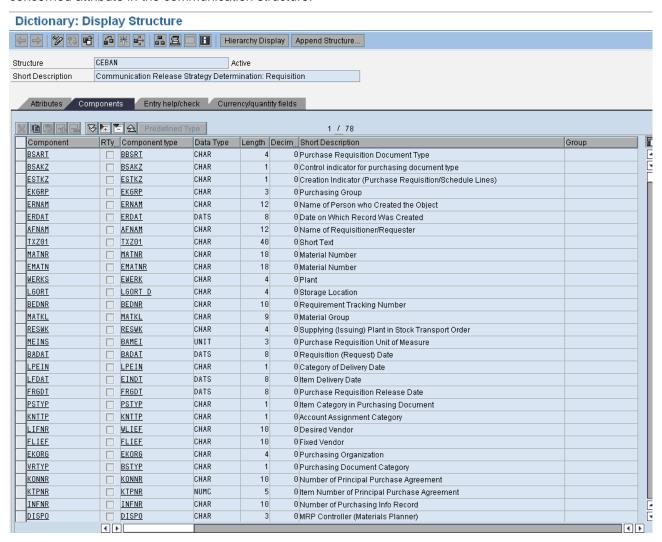
Purchase Requisition Communication Structure.

The Structure CEBAN carries data details from the PR being created and is used for determining the Release Strategy.

The Classification function of the SAP is being used for this process.

The Determinants of the Release strategy are created as the Characteristics and they are assigned to the Class.

Eg: Plant and Order type are being used to determine the release strategy and they refer the attributes of concerned attribute in the communication structure.

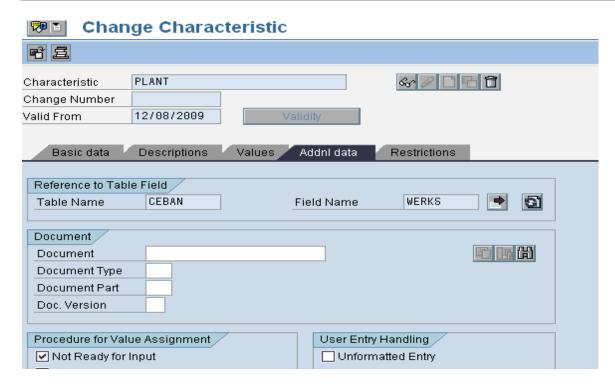


Define Characteristic

Step 1.

Create Characteristics. Refer fig 1. T-Code: CT04.

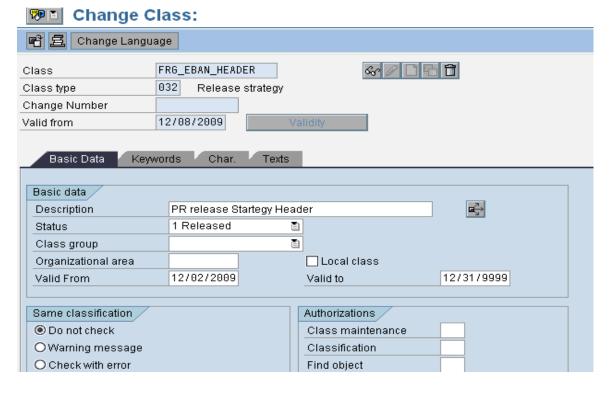
Change Characteristic 哈 豆 PLANT Characteristic Change Number 12/08/2009 Valid From Basic data Descriptions Values Addnl data Restrictions Basic data / Description Plant Ĭ Chars Group 1 Released Ē Status Auth.Group Format / Value Assignment / CHAR Character Format 🖺 Single Value Data Type Multiple Values Number of Chars 4 Case Sensitive Restrictable Template Entry Required



In the same way, Characteristic for the attribute PR document type is set.

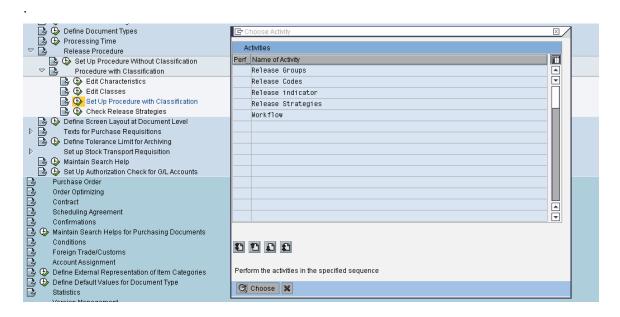
Define Class

Step 2. Create Class, T-Code – CL02 or the img. The Class created should be of Class type 032.



Define Release Strategy

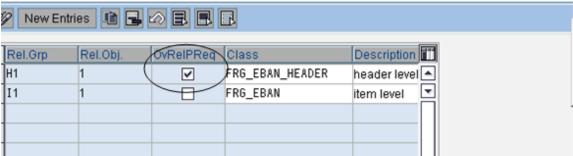
Step 3. Set up Procedure with classification.



Set Release Groups.

Release Group H1 is assigned to the Class we created above and PR release at header level is activated.

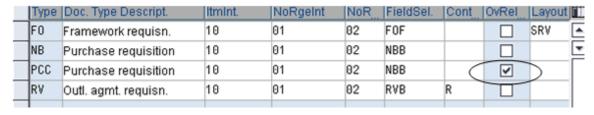
Change View "Release Groups: Purchase Requisition": Overview



PR with Classification can be released at header level or item level

For Header level release the indicator should be set as above.

The indicator should also be set for the PR document type.

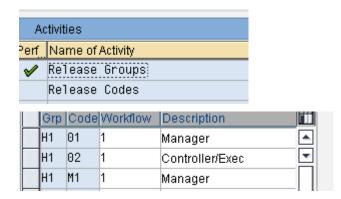


Set Release Codes.

Here you create the <u>release codes</u> that you need for your <u>release strategy</u> and assign the codes to your release group. If a release code is to be used in workflow, indicate this accordingly in the **Workflow** field.

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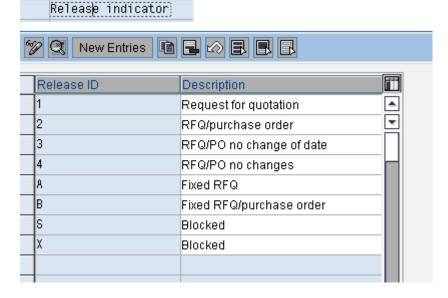
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Set Release Indicators.

SAP standard release indicators can be used.





Set Release Strategy.



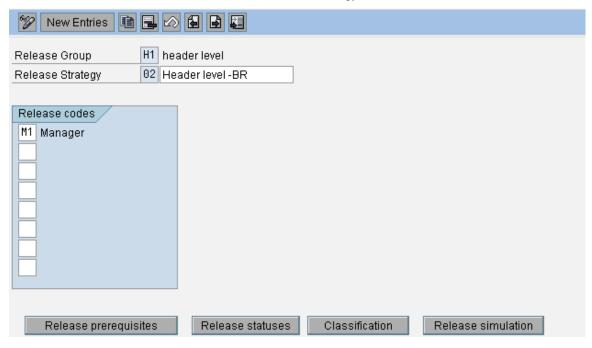
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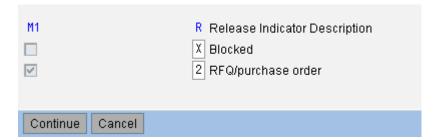
Select New Entries.



Set the Release codes which would be used in the strategy.



Release prerequisites can be used to determine if the release needs to happen in sequence. Release status shows the Status the PR undergoes on release by each release codes.



Classification:

The data set in the classification is the data which determines the release strategy.

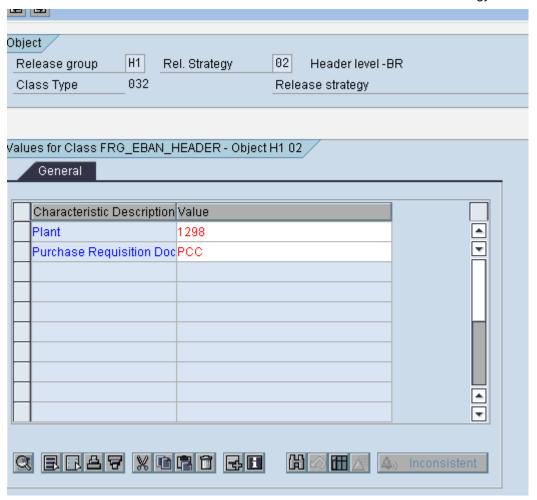
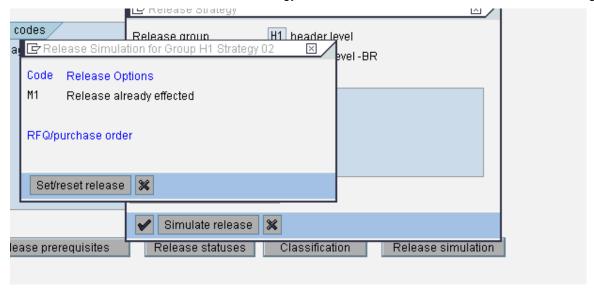


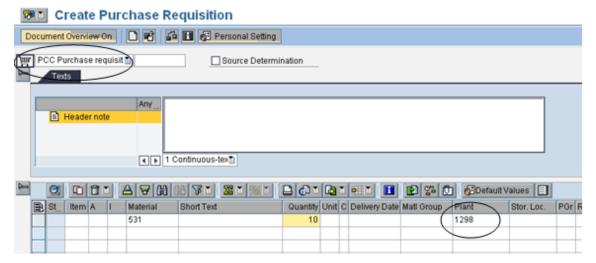
Fig 2.

Release Simulation: Save the Release strategy and use this function to check the Release strategy.

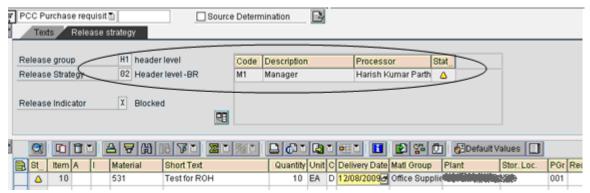


Purchase Request Creation and Determination of Release Strategy

Document type "PCC" and the Plant code "1298" determines the release strategy 02 which has characteristics value PCC and 1298. Refer Fig 2. above.



Release strategy determined is displayed in the top.



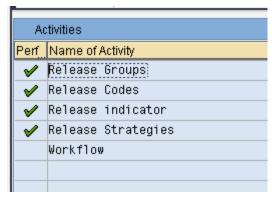
Workflow

If the Workflow settings are made as below. System would route the work item automatically into the SAP inbox of the approver. Otherwise in order to release the PR.

The approver has to manually pull the PR through T-Code ME55 for release or T-code ME54N.

Workflow settings:

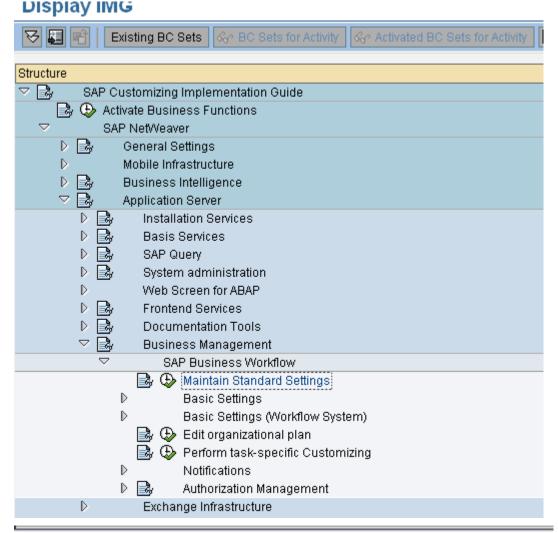
The Release code is assigned to Processor ID. In case of overall release no plant code is assigned with the release group/code and Processor ID.



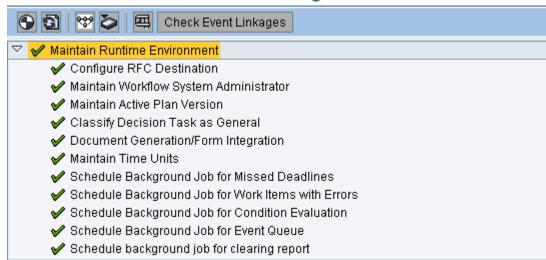


Check Whether Automatic workflow settings are set.

T-Code: SWU3 or img.



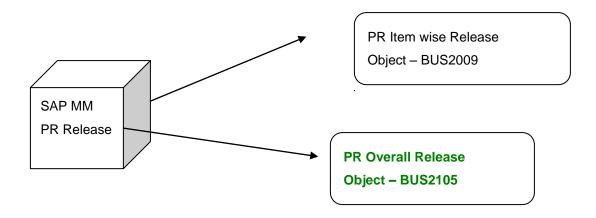
Automatic Workflow Customizing



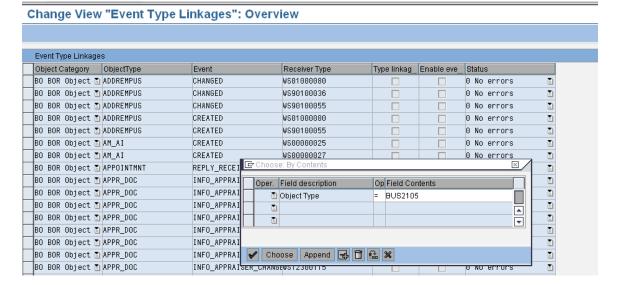
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Technical Realization

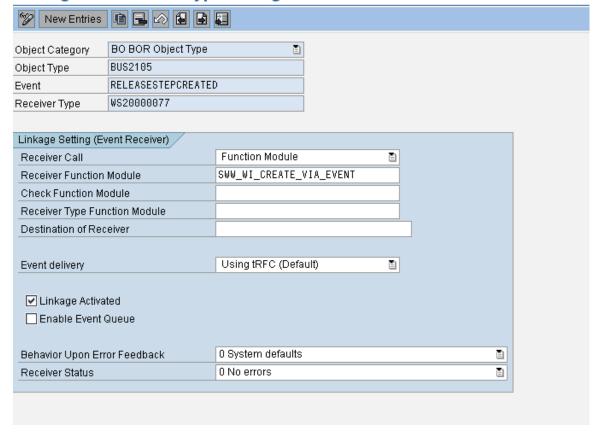
Object technology is used to create the interface between the SAP functionality and the Workflow system. Since we use Overall Release we need to activate the object BUS2105.



T-Code: SWETYPV



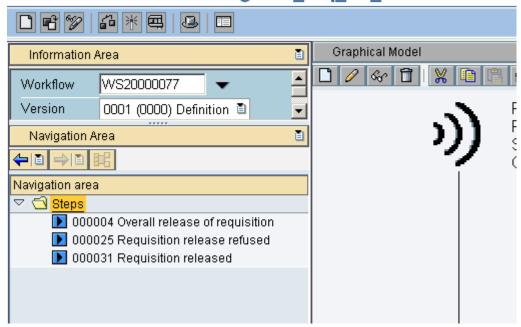
Change view "Event Type Linkages": Details of Selected Set



In order to know the task associated with the Workflow.

Go to T-code - SWDD and enter the workflow number

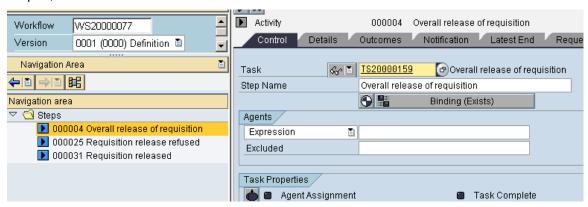
Workflow Builder - Change 'wf_req_rel_c'



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Step 4, 25 and 31 are called as tasks.

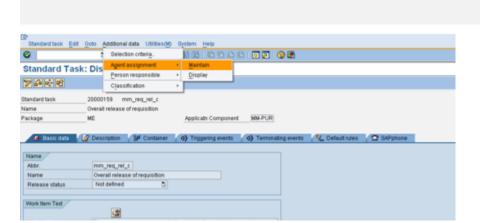


For Overall release, the task TS20000159 should be assigned with agents who could execute the step. So it should not be set as general task.

T-Code: PFTC.

Name

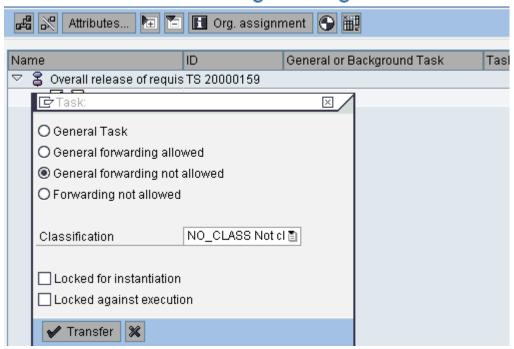
Task: Maintain Task type Ts Standard task Task Task Task Task Task Task Task



Overall release of requisition

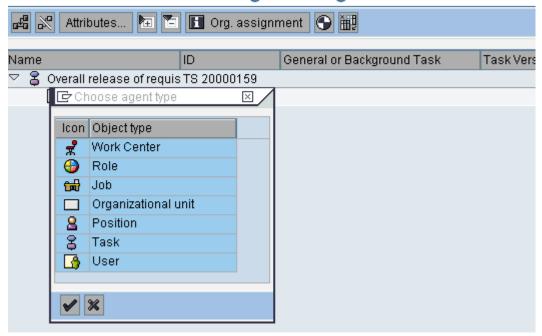
Set the task as not a general task.

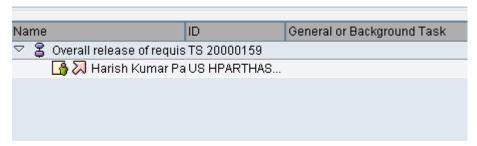
Standard task: Maintain Agent Assignment



Choose the agent type.

Standard task: Maintain Agent Assignment

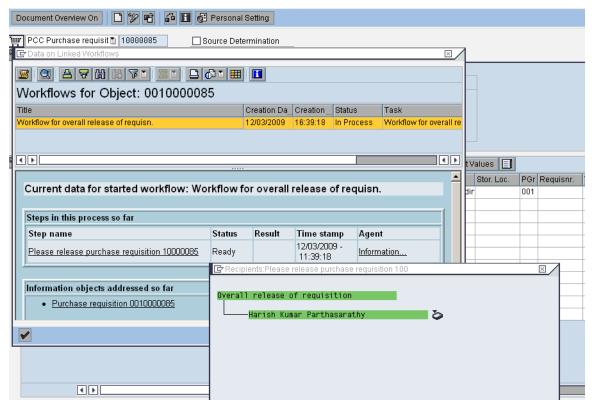




Generate and exit.

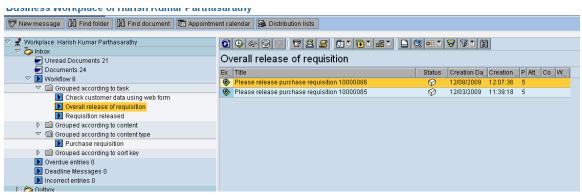
Once the Workflow activation is done.

The PR created would indicate the workflow.



The PR created so, would be accessed from approver inbox and released from there.

T-code : SBWP

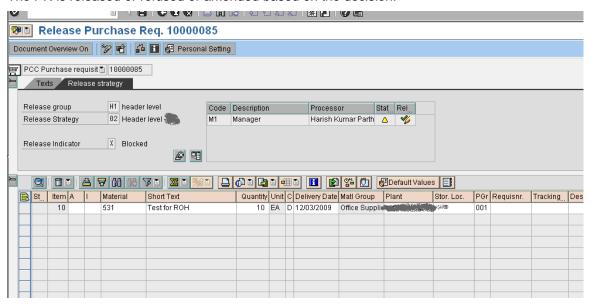


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On executing

The PR is released or refused or amended based on the decision.



Auth Object : M_EINK_FRG - The object should have the relevant Release code assigned for the approver.

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