

SAP BUSINESS TECHNOLOGY PLATFORM | EXTERNAL

Configuration Guide

Authorization For Expenditure using SAP Workflow Management

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Overview

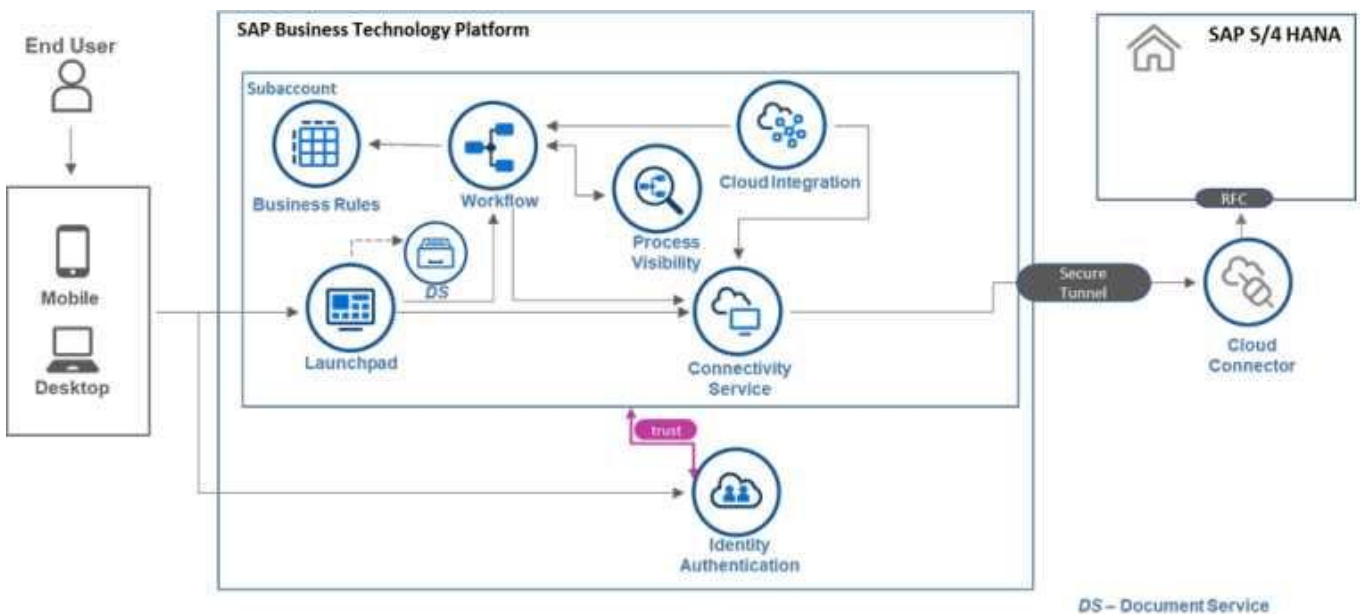
This document provides information about how to use the user interfaces of Authorization For Expenditure approval Process. Business Process Experts and Process Operators are the target users of this document.

Authorization For Expenditure content package for SAP S/4HANA enables to automate AFE Project creation in a flexible and transparent way. It provides flexibility in executing a specific variant of the process depending on attributes like gross amount and net amount etc. When a user submits a request to update the created project details and update the user status in SAP S/4HANA system, a pre-configured process variant is triggered in SAP Workflow Management based on configurable business conditions. On approval, Authorization for expenditure is released in SAP S/4HANA system and WBS created for respective budget value provided in the AFE creation.

Salient features of this content package are:

- Plug and Play with SAP S/4HANA without additional development.
- Pre-delivered process steps to create new variants. New Process variants can be configured in a low-code, no-code approach.
- Agent/approver determination using Business Rules or external service.
- Flexibility in determining process variants based on business conditions.
- Automatic email notification to parties involved
- Pre-built integration content to call SAP S/4 HANA from SAP Workflow Management
- Out-of-the-box visibility into key process performance indicators.

Authorization For Expenditure Solution Diagram:



Live Process Artifacts

A package consists of process templates, process steps, decisions, and process visibility models. Please refer [help documentation](#) about these artifacts.

Process

A process template is a set of business activities and tasks that, once completed, fulfills an organization goal. The **Authorization For Expenditure** package contains the following process template:

Authorization For Expenditure – Approval process for authorization for expenditure

A business process can be broken down logically into smaller parts or steps. Each process step is a collection of activities to perform a specific task. For example, an approval process step can contain activity to determine the approvers, approval task, notifications, and handle the approval result. *Table 1* represents the list of process steps/sub flows available to be used in **Authorization For Expenditure**.

Table 1. Process Steps

Process Steps	Cardinality	Detailed Description
AFE Approval	0..N = optional step	Workflow for the internal approver to take the action on the AFE raised by the requestor
Partner Approval	1:1 = mandatory step	Workflow for the partner approver to take the action on the AFE raised by the requestor
Finance Approval	1:1 = mandatory step	Workflow for the Finance approver to take the action on the AFE raised by the requestor
Post Authorized Expenditure	1:1 = mandatory step	Workflow step for posting the AFE to SAP S/4HANA

A process step can have customizable properties and they could influence the outcome of the process step. For example, the Approval step can be reused multiple times and based on the properties the approver is determined. Please see Table 2 for more details.

Table 2. Process Step Properties

Process Step	Properties	Detailed Description
Approval	Role	Role name of the approver who approves the AFE
	Approval Step	Team ID which approves the

		AFE which is used to determine approvers from business rules
--	--	--

The process has attributes, and these attributes are available in process visibility to search approval process instances and to define process performance indicators. Please see Table 3 for more details.

Table 3. Process Attributes.

Process Attributes	Detailed Description
Company Code	Company code to which expenses raised for authorization belong to.
Cost Center	Cost Center to which expenses raised for authorization belong to.
Gross AFE Amount	Gross amount of expenses raised for authorization.
Is Rejected	Flag to indicate if the AFE approval raised is rejected.
Statistical WBS	Statistical WBS to which expenses raised for authorization belong to.
Total Budget	Total budget of expenses raised for authorization.
AFE Key	Business Key to uniquely identify AFE raised for approval.

Sample Context without Start Conditions

The JSON payload for sample context without start conditions is available in the appendix section.

Sample Context with Start Conditions

The JSON payload for sample context without start conditions is available in the appendix section.

Process Variants

A process variant consists of multiple process steps configured by a line of business expert. It is possible to create multiple variants of the same process.

Please refer [help documentation](#) about how to import content packages and configure a process variant.



Import Content package and Configure Process Variants

In Process Flexibility Cockpit app, search for content package Authorization For Expenditure and import the same. Please refer the standard help document about [how to import a content package](#).

Please refer to the standard help document about [Configuring a process variant](#)

Decisions & Policies

Decisions allow to encapsulate the business logic from core applications and supports the reuse of business rules across different business processes. Decisions enable customers to adopt changes in processes without changing the underlying workflows or application logic. SAP Workflow Management has business rules capabilities that enables customers to centrally manage all decisions. Please go through the [business rules capabilities](#) in SAP Workflow Management.


1. Approver Determination Strategy
2. Determine AFE Type
3. Determine Project Template
4. Determine Administrators
5. Determine Approvers

Approver Determination Strategy

Rule Service to determine if the approval determination is based on external service or business rule

Rule Service Name: Approver Determination Strategy


Input:

 Expenditure Details

Details **Attributes** Associations Annotations

Name	Label	Description	Business Data Type	
AFEType	AFE Type	Type of AFE presented for approval.	String	>
ValueChain	Value Chain	Value chain of AFE.	String	>
ProjectType	Project Type	Type of AFE project.	String	>
CompanyCode	Company Code	Company Code to which AFE belongs to.	String	>
US_INTL	US_INTL	US/INTL.	String	>
BudgetType	Budget Type	Type of Budget AFE falls under.	String	>
GrossAmount	Gross Amount	Gross amount of AFE.	Number	>
ApprovalStep	Approval Step	Unique identification of the approval step.	String	>

Output:

 Approver Determination Strategy

Details **Attributes** Associations Annotations

Simple Attributes

Name	Label	Description	Business Data Type	
DeterminationStrategy	Determination Strategy	Determination strategy can either "Business Rule" or "External Service" depending on expenditure details	String	>

Rule Definition



Approver Determination Strategy

Details [Decision Table](#)

Decision Table	
If	Then
Approval Step	Determination Strategy
= 'Finance Team'	'Business Rules'
= 'Partner Team'	'Business Rules'
= 'Internal Team'	'Business Rules'

Determine Task Due Date

Rule to remind the approver if action is not taken on the user task.

Input:



Expenditure Details

Details [Attributes](#) [Associations](#) [Annotations](#)

Name	Label	Description	Business Data Type	
AFEType	AFE Type	Type of AFE presented for approval.	String	>
ValueChain	Value Chain	Value chain of AFE.	String	>
ProjectType	Project Type	Type of AFE project.	String	>
CompanyCode	Company Code	Company Code to which AFE belongs to.	String	>
US_INTL	US_INTL	US/INTL.	String	>
BudgetType	Budget Type	Type of Budget AFE falls under.	String	>
GrossAmount	Gross Amount	Gross amount of AFE.	Number	>
ApprovalStep	Approval Step	Unique identification of the approval step.	String	>

Output:

Approver Details

Details **Attributes** Associations Annotations

Simple Attributes

Name	Label	Description	Business Data Type	
UserId	User ID	User ID of the approver responsible for AFE approval.	String	>
UserGroup	User Group	Group ID of the approvers responsible for AFE approval..	String	>
Email	Email	Email address of the approvers responsible for AFE approval.	String	>
SupervisorEmail	Supervisor Email	Email address of the supervisor.	String	>
DueDuration	Due Duration	Due Duration	Number	>
UnitofTime	Unit of Time	Unit of Time	String	>

Rule Definition

Determine Task Due Date

Details **Text Rule**

Text Rule

▼ If

Expenditure Details.Approval Step = 'Internal Team'

Then

Unit of Time: 'D'

Due Duration: 1

▼ Else If (1)

Expenditure Details.Approval Step = 'Partner Team'

Then

Unit of Time: 'D'

Due Duration: 1

▼ Else If (2)

Expenditure Details.Approval Step = 'Finance Team'

Then

Unit of Time: 'D'

Due Duration: 1

▼ Else

Unit of Time: 'D'

Due Duration: 1

Determine AFE Type

Fetch list of AFE types for search help.

Rule Service Name: Determine AFE Type

Output:

AFE Type List

Details **Attributes** ▾ Parameters Annotations

Simple Attributes

Name	Description	Business Data Type
AFEType	Type of AFE	String

Rule Definition

Determine AFE Types

Details Decision Table

Decision Table

Decision Table


If	Then
<input type="text"/>	AFE Type
<input type="text"/>	'CP'

Determine Project Template

Determine Project Template based on Expenditure details.

Rule Service Name: Determine Project Template


Input:

 Expenditure Details

Details **Attributes** Associations Annotations

Name	Label	Description	Business Data Type
AFEType	AFE Type	Type of AFE presented for approval.	String
ValueChain	Value Chain	Value chain of AFE.	String
ProjectType	Project Type	Type of AFE project.	String
CompanyCode	Company Code	Company Code to which AFE belongs to.	String
US_INTL	US_INTL	US/INTL.	String
BudgetType	Budget Type	Type of Budget AFE falls under.	String
GrossAmount	Gross Amount	Gross amount of AFE.	Number
ApprovalStep	Approval Step	Unique identification of the approval step.	String

Output:


 Project Template List

Details **Attributes** Parameters Annotations

Simple Attributes

Name	Description	Business Data Type
StandardProject	StandardProject	String

Rule Definition

 DetermineProjectTemplate

Details **Decision Table**


If				Then
AFE Type =	Value Chain =	Project Type =	US/INTL =	StandardProject
'CP'	'ONSHORE'	'DD'	'US'	'1.001'
'CP'	'ONSHORE'	'DD'	'US'	'1.0001'
'CP'	'ONSHORE'	'DD'	'US'	'1.IND1.000.000.001'

Determine Administrators

Determine administrators in case of any errors in fetching the approvers for AFE approval.

Rule Service Name: Determine Administrators


Input:

 Expenditure Details

Details **Attributes** Associations Annotations

Name	Label	Description	Business Data Type	
AFEType	AFE Type	Type of AFE presented for approval.	String	>
ValueChain	Value Chain	Value chain of AFE.	String	>
ProjectType	Project Type	Type of AFE project.	String	>
CompanyCode	Company Code	Company Code to which AFE belongs to.	String	>
US_INTL	US_INTL	US/INTL.	String	>
BudgetType	Budget Type	Type of Budget AFE falls under.	String	>
GrossAmount	Gross Amount	Gross amount of AFE.	Number	>
ApprovalStep	Approval Step	Unique identification of the approval step.	String	>

Output:


 Administrator Details

Details **Attributes** Associations Annotations

Simple Attributes

Name	Label	Description	Business Data Type	
UserId	User ID	User ID of the administrator.	String	>
UserGroup	User Group	Group ID of the administrator.	String	>
Email	Email	Email address of the administrator.	String	>

Rule Definition

 Determine Administrators

Details **Decision Table**

Decision Table


If	Then		
Approval Step	Email	User Group	User ID
= 'Internal Team'	'email@example.com'	'Admin_GroupId'	'Admin_UserId'
= 'Partner Team'	'email@example.com'	'Admin_GroupId'	'Admin_UserId'
= 'Finance Team'	'email@example.com'	'Admin_GroupId'	'Admin_UserId'

Determine Approvers

Determine approvers for approval step in AFE approval process.

Rule Service Name: Determine Approvers

Input:

 Expenditure Details

Details **Attributes** Associations Annotations

Name	Label	Description	Business Data Type
AFEType	AFE Type	Type of AFE presented for approval.	String
ValueChain	Value Chain	Value chain of AFE.	String
ProjectType	Project Type	Type of AFE project.	String
CompanyCode	Company Code	Company Code to which AFE belongs to.	String
US_INTL	US_INTL	US/INTL.	String
BudgetType	Budget Type	Type of Budget AFE falls under.	String
GrossAmount	Gross Amount	Gross amount of AFE.	Number
ApprovalStep	Approval Step	Unique identification of the approval step.	String

Output:

Approver Details

Details **Attributes** Associations Annotations

UserId	User ID	User ID of the approver responsible for AFE approval.	String
UserGroup	User Group	Group ID of the approvers responsible for AFE approval..	String
Email	Email	Email address of the approvers responsible for AFE approval.	String
SupervisorEmail	Supervisor Email	Email address of the supervisor.	String
DueDuration	Due Duration	Due Duration	Numt
UnitofTime	Unit of Time	Unit of Time	String

Rule Definition

Decision Table					Then			
Company Code	US/INTL	Budget Type	Gross Amount	Approval Step	Supervisor Email	Email	User Group	User ID
= 'XYZ'	= 'US'	= 'XYZ'	> 0	= 'Internal T...	'email@exa...	'email@exa...	'Approver_...	'Approver_U...
= 'XYZ'	= 'US'	= 'XYZ'	> 0	= 'Partner T...	'email@exa...	'email@exa...	'Approver_...	'Approver_U...
= 'XYZ'	= 'US'	= 'XYZ'	> 0	= 'Finance T...	'email@exa...	'email@exa...	'Approver_...	'Approver_U...

Determine Approvers from External Service

The process content provides an option to determine approvers using an alternative strategy, i.e. External Service instead of Business Rule.

To leverage this strategy, the approval process step has a provision to call an Integration Flow with the following configuration. This Integration Flow needs to be implemented as per your business requirement.

Destination	CPI [Refer to Setup Guide]
CPI Adapter	HTTP
Path	/http/getApproversAFE
HTTP Method	POST
Request Payload Type	Application/json
Payload sent by workflow (sample data)	<pre>"d": { "ExpenditureDetails": -- Refer to Sample Context without Start Conditions under section Process -- , "Role": \$.context.role }</pre>
Response Payload from integration flow	RESPONSE STATUS, Ex 200 OK

```
"ApproverRulesResult": {"d": {"approvers": [{"supervisorEmail": "email@example.com", "email": "email@example.com", "userGroup": "Approver_GroupId", "userId": "Approver_UserId"}]}}
```

Note: When Status is not 200, then it is considered a failed service call.

Process Visibility

Process Visibility capability in SAP Workflow Management enables Process Owners and Process Operators to gain real time visibility on processes and key process performance indicators. It also enables customers gain out of the box process visibility into their deployed processes. Please refer [help documentation](#) for more details.

Authorization For Expenditure content package provide out of the box visibility on all the process variants in SAP Workflow Management. Line of business expert will be able to enhance the visibility scenario to their requirements.

Configure Visibility Scenarios

1. Go to Process Flexibility Cockpit.
2. Select **Authorization For Expenditure** tile.
3. Click the scenario “Authorization For Expenditure” on the Visibility Scenarios tile.

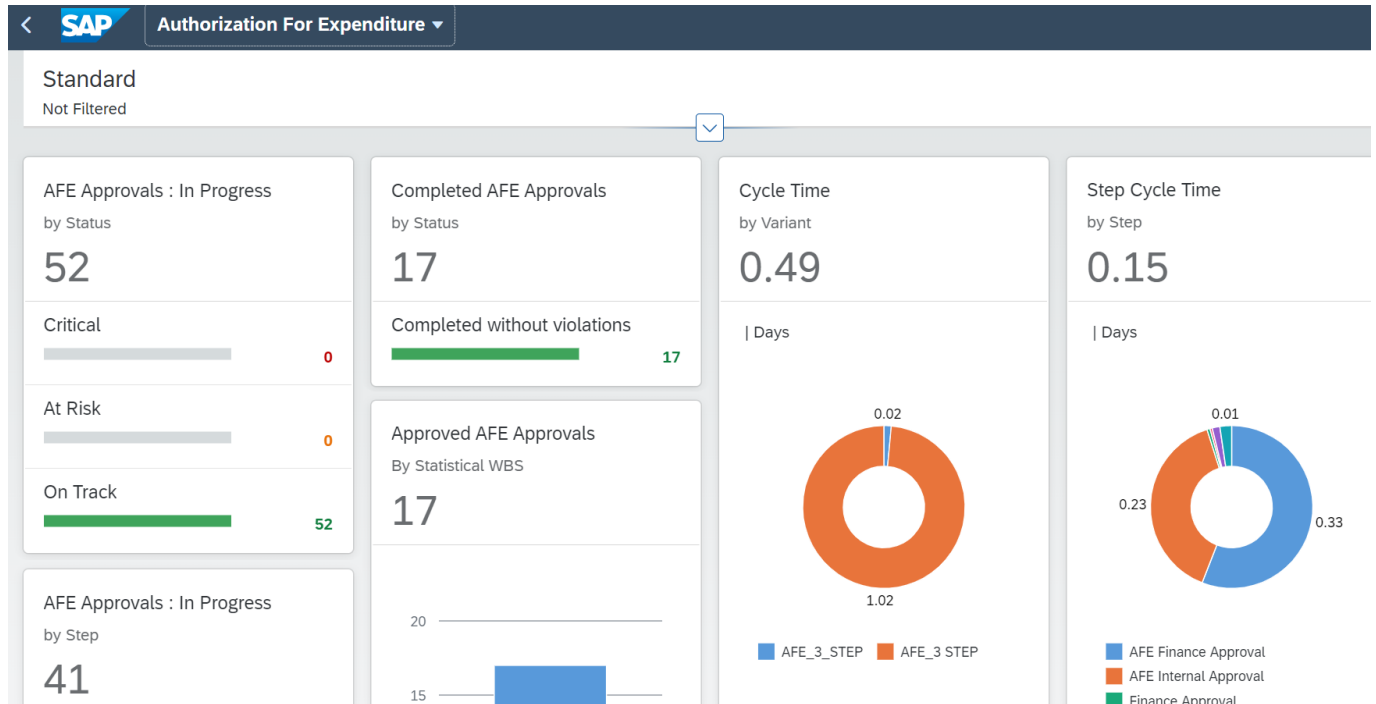
Name	ID	Path	Data Type	Description
Variant	variantName	variantName	String	Variant name of AFE approval.
Variant ID	variantId	variantId	String	Variant ID of AFE approval.
Company Code	CompanyCode	CompanyCode	String	Company code to which expenses raised for authorization belong to.

Please go through [help documentation](#) on how to model a visibility scenario.

Access Process Workspace

1. Go to Process Flexibility Cockpit
2. Select package **Authorization For Expenditure**
3. Click Live Process Insights **Authorization For Expenditure**

Please go through [help documentation](#) to know more about Process Workspace.



Appendix

Sample Context without Start Conditions

```
{
  "expenditureDetails": {
    "createdBy": "XXX",
    "createdByEmail": "xxx@example.com",
    "projectType": "DD",
    "grossAFERAmount": "32000",
    "budgetType": "Original",
    "statusModel": [
      {
        "Status": "INPR",
        "StatusDescription": "Internal Team"
      }
    ]
  }
}
```

```
},
{
  "Status": "PAPR",
  "StatusDescription": "Partner Team"
},
{
  "Status": "FAPR",
  "StatusDescription": "Finance Team"
},
{
  "Status": "SUBM",
  "StatusDescription": "Submitted"
},
{
  "Status": "REJC",
  "StatusDescription": "Rejected"
},
{
  "Status": "REL",
  "StatusDescription": "Released"
},
{
  "Status": "OPCR",
  "StatusDescription": "Opportunity Created"
}
],
"projectDetails": {
  "projectId": "I.1030",
  "companyCode": "4001",
  "jvNumber": "2000",
  "costCenter": "40011101",
  "profileCenter": "13000020",
  "func_area": "",
  "projectProfile": "Z000001",
  "processingstatus": "SUBM",
```

```

"jvEquity": "ET1",
"companyCodeDesc": "LP Company Code US- Ops",
"jvNumberDesc": "OPERATED VENTURE",
"costCenterDesc": "CORP/Match",
"profileCenterDesc": "SEG 3/Corporate",
"func_areaDesc": "",
"projectProfileDesc": "AFE- Investment projects",
"processingstatusDesc": "Submitted",
"jvEquityDesc": "Operation 1"
},
"costOverview": {
"costOverview": {
"grossAFEMount": "32000",
"netAFEMount": "19200",
"ventureType": "1",
"afeType": "CP",
"operatedShare": "60%",
"grossSupplement1": "",
"grossSupplement2": "",
"grossSupplement3": "",
"grossSupplement4": "",
"grossReturn": "",
"netSupplement1": "",
"netSupplement2": "",
"netSupplement3": "",
"netSupplement4": "",
"netReturn": "",
"currency": "USD"
},
"partnerDetail": [
{
"__metadata": {
"id":
"<uri>/sap/opu/odata/sap/ZWF_PROJECTS_CDS/ZWF_PROJECT_JV(CompanyCode='4001',J
ointVenture='2000',EquityGroup='EG3',Partner='6')",
"uri":

```

```

"<uri>/sap/opu/odata/sap/ZWF_PROJECTS_CDS/ZWF_PROJECT_JV(CompanyCode='4001',JointVenture='2000',EquityGroup='EG3',Partner='6')",
"type": "ZWF_PROJECTS_CDS.ZWF_PROJECT_JVType"
},
"CompanyCode": "4001",
"JointVenture": "2000",
"EquityGroup": "EG3",
"Partner": "6",
"EquityShare": 60,
"PartnerShare": 40,
"JointVentureText": "OPERATED VENTURE",
"VentureType": "1",
"PartnerDesc": "Domestic Customer 5 name2"
}
]
},
"wbsTemplate": {
"afeType": "CP",
"projectType": "DD",
"valueChain": "ONSHORE",
"usintl": "US",
"selectTemplate": "I.0001"
},
"calculateGrossAmount": [
{
"__metadata": {
"id": "<uri>/sap/opu/odata/sap/ZWF_STD_WBS_SRV/ZWF_STANDARD_WBS('00000036')",
"uri": "<uri>/sap/opu/odata/sap/ZWF_STD_WBS_SRV/ZWF_STANDARD_WBS('00000036')",
"type": "ZWF_STD_WBS_SRV.ZWF_STANDARD_WBSType"
},
"WBSInternalID": "00000036",
"WBS": "I.1030",
"WBSDescription": "Dev Drill",
"WBSObject": "PT00000036",
"StandardProjectInternalID": "00000011",

```

"IndAccAssE": true,
"UserKeyField": "0000001",
"WBSLevel": 1,
"StandardProject": "I.0001",
"StandarProjectDescription": "AFE-DD Template2",
"WBSLeft": "",
"WBSRight": "",
"WBSUp": "",
"WBSDown": "I.1030.001",
"responsible_no": "01400000",
"comp_code": "4001",
"co_area": "6000",
"JVObjectType": "W001",
"wbs_account_assignment_element": "",
"ResponsiblePersonName": "Finance & Administration",
"ApplicantNumber": "00000000",
"CostCenter": "40011101",
"ProjectCurrency": "USD",
"JointVenture": "2000",
"ForecastStart": "2021/10/14",
"ForecastFinish": "2022/10/14",
"Operated_Share": 60,
"costingsheet": "A00000",
"AFEType": "CP",
"ProjectType": "DD",
"ValueChain": "ONSHORE",
"USINTL": "US",
"AFE_Gross_Amt_Val": "",
"AFE_Net_Amt_Val": "",
"Gross_Supp_1": "",
"Gross_Supp_2": "",
"Gross_Supp_3": "",
"Gross_Supp_4": "",
"Gross_Return": "",
"Net_Supp_1": "",

```

"Net_Supp_2": "",
"Net_Supp_3": "",
"Net_Supp_4": "",
"Net_Return": "",
"Tot_Gro_Sup_Amt_1": "",
"Tot_Gro_Sup_Amt_2": "",
"Tot_Gro_Sup_Amt_3": "",
"Tot_Gro_Sup_Amt_4": "",
"Tot_Gross_Return": "",
"Tot_Net_Sup_Amt_1": "",
"Tot_Net_Sup_Amt_2": "",
"Tot_Net_Sup_Amt_3": "",
"Tot_Net_Sup_Amt_4": "",
"Tot_Net_Return": ""
},
{
  "__metadata": {
    "id": "<uri>/sap/opu/odata/sap/ZWF_STD_WBS_SRV/ZWF_STANDARD_WBS('00000037')",
    "uri": "<uri>/sap/opu/odata/sap/ZWF_STD_WBS_SRV/ZWF_STANDARD_WBS('00000037')",
    "type": "ZWF_STD_WBS_SRV.ZWF_STANDARD_WBSType"
  },
  "WBSInternalID": "00000037",
  "WBS": "I.1030.001",
  "WBSDescription": "Feasibility",
  "WBSObject": "PT00000037",
  "StandardProjectInternalID": "00000011",
  "IndAccAssE": true,
  "UserKeyField": "0000001",
  "WBSLevel": 2,
  "StandardProject": "I.0001",
  "StandarProjectDescription": "AFE-DD Template2",
  "WBSLeft": "",
  "WBSRight": "",
  "WBSUp": "I.1030",
  "WBSDown": "I.1030.001.001",

```

"responsible_no": "01400000",
"comp_code": "4001",
"co_area": "6000",
"JVObjectType": "W001",
"wbs_account_assignment_element": "",
"ResponsiblePersonName": "Finance & Administration",
"ApplicantNumber": "00000000",
"CostCenter": "40011101",
"ProjectCurrency": "USD",
"JointVenture": "2000",
"ForecastStart": "2021/10/14",
"ForecastFinish": "2022/10/14",
"Operated_Share": 60,
"costingsheet": "A00000",
"AFEType": "CP",
"ProjectType": "DD",
"ValueChain": "ONSHORE",
"USINTL": "US",
"AFE_Gross_Amt_Val": "",
"AFE_Net_Amt_Val": "",
"Gross_Supp_1": "",
"Gross_Supp_2": "",
"Gross_Supp_3": "",
"Gross_Supp_4": "",
"Gross_Return": "",
"Net_Supp_1": "",
"Net_Supp_2": "",
"Net_Supp_3": "",
"Net_Supp_4": "",
"Net_Return": "",
"Tot_Gro_Sup_Amt_1": "",
"Tot_Gro_Sup_Amt_2": "",
"Tot_Gro_Sup_Amt_3": "",
"Tot_Gro_Sup_Amt_4": "",
"Tot_Gross_Return": "",

```

"Tot_Net_Sup_Amt_1": "",
"Tot_Net_Sup_Amt_2": "",
"Tot_Net_Sup_Amt_3": "",
"Tot_Net_Sup_Amt_4": "",
"Tot_Net_Return": ""
},
{
  "__metadata": {
    "id": "<uri>/sap/opu/odata/sap/ZWF_STD_WBS_SRV/ZWF_STANDARD_WBS('00000038')",
    "uri": "<uri>/sap/opu/odata/sap/ZWF_STD_WBS_SRV/ZWF_STANDARD_WBS('00000038')",
    "type": "ZWF_STD_WBS_SRV.ZWF_STANDARD_WBSType"
  },
  "WBSInternalID": "00000038",
  "WBS": "I.1030.001.001",
  "WBSDescription": "Engineering",
  "WBSObject": "PT00000038",
  "StandardProjectInternalID": "00000011",
  "IndAccAssE": true,
  "UserKeyField": "0000001",
  "WBSLevel": 3,
  "StandardProject": "I.0001",
  "StandarProjectDescription": "AFE-DD Template2",
  "WBSLeft": "",
  "WBSRight": "I.1030.001.002",
  "WBSUp": "I.1030.001",
  "WBSDown": "",
  "responsible_no": "01400000",
  "comp_code": "4001",
  "co_area": "6000",
  "JVObjectType": "W001",
  "wbs_account_assignment_element": "",
  "ResponsiblePersonName": "Finance & Administration",
  "ApplicantNumber": "00000000",
  "CostCenter": "40011101",
  "ProjectCurrency": "USD",

```



```

"JointVenture": "2000",
"ForecastStart": "2021/10/14",
"ForecastFinish": "2022/10/14",
"Operated_Share": 60,
"costingsheet": "A00000",
"AFEType": "CP",
"ProjectType": "DD",
"ValueChain": "ONSHORE",
"USINTL": "US",
"AFE_Gross_Amt_Val": "12000",
"AFE_Net_Amt_Val": "7200",
"Gross_Supp_1": "",
"Gross_Supp_2": "",
"Gross_Supp_3": "",
"Gross_Supp_4": "",
"Gross_Return": "",
"Net_Supp_1": "",
"Net_Supp_2": "",
"Net_Supp_3": "",
"Net_Supp_4": "",
"Net_Return": "",
"Tot_Gro_Sup_Amt_1": "",
"Tot_Gro_Sup_Amt_2": "",
"Tot_Gro_Sup_Amt_3": "",
"Tot_Gro_Sup_Amt_4": "",
"Tot_Gross_Return": "",
"Tot_Net_Sup_Amt_1": "",
"Tot_Net_Sup_Amt_2": "",
"Tot_Net_Sup_Amt_3": "",
"Tot_Net_Sup_Amt_4": "",
"Tot_Net_Return": ""
},
{
  "__metadata": {
    "id": "<uri>/sap/opu/odata/sap/ZWF_STD_WBS_SRV/ZWF_STANDARD_WBS('00000039')",

```

```
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"CostCenter": "40011101",  
"ProjectCurrency": "USD",  
"JointVenture": "2000",  
"ForecastStart": "2021/10/14",  
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    "type": "ZWF_STD_WBS_SRV.ZWF_STANDARD_WBSType"
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  "StandardProjectInternalID": "00000011",
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"Gross_Return": "",
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"Net_Supp_2": "",

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"Net_Supp_3": "",
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"Tot_Net_Return": ""
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"statisticalWBS": "I.0010",
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"totalAllocatedBudgetYear": "500000",
"lessAFE": "32000",
"lessPendingAFE": "509100",
"lessApprovedAFE": "311000",
"remainingCurrentYearSpend": "-352100"
}
}
}

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Sample Context with Start Conditions

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"expenditureDetails": {
"createdBy": "XXX",

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"createdByEmail": XXX@example.com,  
"projectType": "DD",  
"grossAFEAmount": "32000",  
"budgetType": "Original",  
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    "Status": "INPR",  
    "StatusDescription": "Internal Team"  
  },  
  {  
    "Status": "PAPR",  
    "StatusDescription": "Partner Team"  
  },  
  {  
    "Status": "FAPR",  
    "StatusDescription": "Finance Team"  
  },  
  {  
    "Status": "SUBM",  
    "StatusDescription": "Submitted"  
  },  
  {  
    "Status": "REJC",  
    "StatusDescription": "Rejected"  
  },  
  {  
    "Status": "REL",  
    "StatusDescription": "Released"  
  },  
  {  
    "Status": "OPCR",  
    "StatusDescription": "Opportunity Created"  
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],  
"projectDetails": {
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"projectId": "I.1030",
"companyCode": "4001",
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"costCenter": "40011101",
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"processingstatus": "SUBM",
"jvEquity": "ET1",
"companyCodeDesc": "LP Company Code US- Ops",
"jvNumberDesc": "OPERATED VENTURE",
"costCenterDesc": "CORP/Match",
"profileCenterDesc": "SEG 3/Corporate",
"func_areaDesc": "",
"projectProfileDesc": "AFE- Investment projects",
"processingstatusDesc": "Submitted",
"jvEquityDesc": "Operation 1"
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"costOverview": {
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"grossSupplement4": "",
"grossReturn": "",
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"netSupplement2": "",
"netSupplement3": "",
"netSupplement4": "",
"netReturn": ""

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"partnerDetail": [
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    "uri":
"<uri>/sap/opu/odata/sap/ZWF_PROJECTS_CDS/ZWF_PROJECT_JV(CompanyCode='4001',JointVenture='2000',EquityGroup='EG3',Partner='6')",
    "type": "ZWF_PROJECTS_CDS.ZWF_PROJECT_JVType"
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  "EquityGroup": "EG3",
  "Partner": "6",
  "EquityShare": 60,
  "PartnerShare": 40,
  "JointVentureText": "OPERATED VENTURE",
  "VentureType": "1",
  "PartnerDesc": "Domestic Customer 5 name2"
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],
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  "afeType": "CP",
  "projectType": "DD",
  "valueChain": "ONSHORE",
  "usintl": "US",
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"WBSRight": "",
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"Gross_Return": "",
"Net_Supp_1": "",
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"co_area": "6000",
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"ResponsiblePersonName": "Finance & Administration",
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"Gross_Return": "",
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"Net_Supp_2": "",

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"Net_Supp_3": "",
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"Tot_Gro_Sup_Amt_4": "",
"Tot_Gross_Return": "",
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"Net_Supp_4": "",
"Net_Return": "",
"Tot_Gro_Sup_Amt_1": "",
"Tot_Gro_Sup_Amt_2": "",
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    "type": "ZWF_STD_WBS_SRV.ZWF_STANDARD_WBSType"
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"Gross_Return": "",
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"WBSUp": "I.1030.001",  
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"comp_code": "4001",  
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"JVObjectType": "W001",  
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"AFE_Net_Amt_Val": "",
"Gross_Supp_1": "",
"Gross_Supp_2": "",
"Gross_Supp_3": "",
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"Gross_Return": "",
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"Net_Supp_2": "",
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"Tot_Net_Sup_Amt_2": "",
"Tot_Net_Sup_Amt_3": "",
"Tot_Net_Sup_Amt_4": "",
"Tot_Net_Return": ""
}
],
"additionalDetails": {
"additionalDetails": {
"standardTemplateUsed": "I.0001",
"statisticalWBS": "I.0010",
"CostCenter": "40011101",
"referenceNumber": "",
"totalAllocatedBudgetYear": "500000",
"lessAFE": "32000",
"lessPendingAFE": "509100",
"lessApprovedAFE": "311000",
"remainingCurrentYearSpend": "-352100"
}
}

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}
}