BPEL Workflow User Guide Oracle FLEXCUBE Universal Banking

Release 12.87.7.0.0

Part No. F40320-01

May 2021



BPEL Workflow User Guide May 2021 Oracle Financial Services Software Limited

Oracle Park

Off Western Express Highway Goregaon (East) Mumbai, Maharashtra 400 063 India Worldwide Inquiries: Phone: +91 22 6718 3000 Fax:+91 22 6718 3001 www.oracle.com/financialservices/

Copyright © 2007, 2021, Oracle and/or its affiliates. All rights reserved.

Oracle and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

U.S. GOVERNMENT END USERS: Oracle programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate failsafe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

This software or hardware and documentation may provide access to or information on content, products and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services.

Contents

1.	Pre	face	1-1
	1.1	Introduction	1-1
	1.2	Audience	1-1
	1.3	Documentation Accessibility	1-1
	1.4	Abbreviations	1-1
	1.5	Organization	1-1
	1.6	Related Documents	1-2
	1.7	Glossary of Icons	1-2
2.	BPE	EL – An Overview	2-1
	2.1	Introduction	2-1
	2.2	Navigating the Task Menu	2-2
	2.3	Navigating the Workflow Menu	2-5
3.	Оре	erations	
	3.1	Introduction	3-1
	3.2	Configuring Landing Page	3-1
	3.3	Configuring Queues	3-3
	3.4	Configuring Sub-Stages	3-5
	3.5	Checking Duplicate Transactions	3-6
	3.6	Enabling User Rights	3-7
4.	Fun	nction ID Glossary	4-1

1.1 Introduction

This manual is designed to help you quickly get acquainted with the basic features of the workflow layer using Business Process Execution Language (BPEL) in Oracle FLEXCUBE.

1.2 <u>Audience</u>

This manual is intended for the following User/User Roles:

Role	Function
Corporate Customer Service Executive	Collection of applications
Trade Finance Executive	Updation of details of contracts
Trade Finance Manager	Verification and authorization of contracts
Compliance Executive	Performance of compliance details of all parties in a contract
Compliance Manager	Verification of compliance check carried out by Compliance Executive

1.3 **Documentation Accessibility**

For information about Oracle's commitment to accessibility, visit the Oracle Accessibility Program website at http://www.oracle.com/pls/topic/lookup?ctx=acc&id=docacc.

1.4 Abbreviations

The following abbreviations are used in this User Manual:

Abbreviation	Description
BPEL	Business Process Execution Lan- guage
WF	Workflow

1.5 Organization

This manual is organized into the following chapters:

Chapter 1	<i>About this Manual</i> gives information on the intended audience. It also lists the various chapters covered in this User Manual
Chapter 2	<i>BPEL - An Overview</i> provides a basic understanding of the workflow and its features.

1-1 ORACLE

Chapter 3	<i>Operations</i> explains the various actions that you can perform to suit your requirements of look and feel of the BPEL workflow.
Chapter 4	<i>Function ID Glossary</i> has alphabetical listing of Function/Screen ID's used in the module with page references for quick navigation.

1.6 Related Documents

- The Security Management System User Manual
- Procedures User Manual

1.7 Glossary of Icons

This User Manual may refer to all or some of the following icons:

lcons	Function
×	Exit
+	Add row
-	Delete row
	Option List



2. BPEL – An Overview

2.1 Introduction

The Business Process Execution Language (BPEL) workflow layer allows you to define a workflow for handling different transactions. The front-end user interface of this layer allows you to capture details required for the transactions and sends them to Oracle FLEXCUBE for processing.

Each transaction in BPEL can be configured as a process. At certain points in a process, input from the user-end is required. The input could be in the form of data to initiate or enrich a transaction or to authorize an existing transaction. To facilitate this, human tasks are generated by the BPEL engine as and when required during the process. These human tasks are associated with a Function ID. When a user initiates a task, the different user roles associated to the Function ID are assigned to the task.

Also, each process (transaction) passes through the workflow layer in stages. Access to each stage is restricted to users who have the requisite rights. Once a task has been initiated or completed for a particular stage, it is placed in the relevant queue or task list (explained later). To proceed further with the process, a user - with relevant rights - needs to acquire it under his/her user ID.

Note

System supports the co-existence of multiple composite versions of BPMN (Business Process Models and Notations) and BPEL process models. In BPMN processes, you can query the first task of a process by querying with the conversation id. You can customise the BPMN process using the BPM Composer.

When you log into the application, the Landing Page, as shown below, is displayed:-

Home Interactions Customer Workflow Tasks Preferences	Change Branch Options Window Help Sign Of	1. I I I I I I I I I I I I I I I I I I I
lenu 🗧		10100
R Accounting and MIS		
a Accounting and MIS ■		
# Auto Billing Clients		
Bank Parameters		
B Bank Parameters B Billing		
Bills and Collections		
Branch Parameters		
Card Maintenance		
⊞ Cards		
B Clearing		
Collections		
B Common Entity		
E Compliance Checks		
Corporate Deposits		
Corporate Deposits Corporate Teller		
Customer Accounts		
E Customers		
E Dash Board		
B Branch-Manager		
Bulletin Message View		
E Retail Lending		
→Loan Transaction Query Status		
Trade Supervisor		
Trade Transaction Query status		
# EOC Operations		
Exchange Traded Derivatives		
# Expense Processing		
# Fixed Assets		
Foreign Exchange		
Funds Transfer		
# GL Balance		
⊞ Gateway		
E Generic Interface		
Integrated Liquidity Management		
Interactions ■ Interactions ■		
Interface		
Intermediaries		
B Inventory		
# Islamic Accounts		
Islamic Asset Management		
Islamic Assets		
🗑 Islamic BC		
Islamic Derivatives		
Islamic Financing		
Islamic Integrated Liquidity Management		
🗟 Islamic Letters of Credit		

2-1 ORACLE

The following options are available to you in this screen:

- Menu
- Interactions
- Customer
- Workflow
- Tasks
- Preferences

2.2 Navigating the Task Menu

Click on 'Tasks' in the menu. The following screen is displayed:

C DOCUMENT - 002	- 000 - Ora	cle FLEXCUBE U	BSnull - ENG -	2012-11-07	Transaction Inp	ut - Windows In	ternet Explorer									
Home Interactions	Customer	Workflow Tasks	Preferences					Change Br	anch Op	tions V	Vindow	Help Sign				ŀ
asks		+											4	SR 9	9	
Search I Standard																

The system displays all the main menu items that you have maintained in the 'Landing Page Configuration' screen along with the 'Search' and 'Standard' main menu items on the left hand side of the screen.

You can query existing workflow tasks by clicking 'Search' and then choosing the relevant link under it. Under 'Search', you are provided the option of searching tasks across all process flows (the 'All' link) or for specific process flows. The fields available under the link 'All' are



pre-defined in the system and the link 'All' is readily available. The other process flow specific links are displayed only if you maintain them in the 'Landing Page Configuration' screen.

Home Interactions Customer Wo	rkflow Tasks Preferences	Change Branch Options Window Help Sign Off	
sks	*		() 0
Seach +ALL Standard +Acquired(0) +Acsigned(4) +Complete(0) +Pending(0) Supervisor(0)	Task List - Search Workfow Reference Trainadon Reference Walue Assignee Group Assignee Users Creation Date/From To) Priority Search		

Refer the section 'Configuring Landing Page' under 'Operations' in this user manual for further details.



Specify the basis for your search and click the 'Search' button. All the tasks that meet the parameters specified are fetched as displayed in the screen below:

	How Tasks Prefe	arences			Change	Branch Options	Window He	alp Sign Of	π	
3	+								4.8	Ð
arch	Task	List								
ALL	1.000	and Rithard Station	- Freeman	44 4 Page 1 Of 1	Jump to page	Go				
andard Acquired(0)		Workflow Reference	Transaction Reference	Title	Assignee Group	Assignee Users	Customer Name	Amount	Creation Date (From(To) +	Prio
Assigned(4) Completed(0)		IslamidjarahAccount1362		Application Entry	ALLROLES				2012-04-30 11:14:27 IST	
Pending(0) Supervisor(0)		IslamidjarahAccount1574		Application Entry	ALLROLES				2012-05-10 15:16:46 IST	
		IslamidjarahAccount1575		Application Entry	ALLROLES				2012-05-10 15:40:50 IST	
		ImportLCProcessFlow1587		Receive and Verify LC Import	ALLROLES,CCSEROLE				2012-05-11 12:11:04 IST	
	Task I	listor.								
	Task H	fistory								
	Task H	fistory								
	Task F	ästory								
	Task H	listory								
	Task H	listory								
	Task H	listory								
	Task F	listory								
	Task H	listory								
	Task F	listory								

If you do not specify any search parameter before clicking 'Search' button, all the tasks will be displayed.

Under the 'Standard' menu, the system displays the following sub-menus and the number of tasks against each of these sub-menus:

- Acquired
- Assigned
- Completed
- Pending
- •

When you click a sub-menu, the different process flows (transactions) for the sub-menu and the number of tasks outstanding for each process are displayed. Choose the process flow for which you require details and click on it. Details for all the tasks under the corresponding queue are shown in the Task List pane. When you click a task, the relevant details are displayed in the Transaction History pane (below the Task List pane)

The workflow actions that you can perform for a task are:

Acquire/Release

After a task is assigned to a group, you, as a user, can further process the task only if you acquire it. Select the transaction and click 'Acquire' button. The task will then be moved from the group queue to your task list. You can release the task that has already been acquired by clicking 'Release' button..



<u>Reassign</u>

A task can be re-assigned only by a supervisor to any of his subordinates. If you have the requisite rights, you can select the transaction and click 'Reassign' button in your task list. This is done when a contract is transferred from the maker of the contract to another user for further operations.

Resume

A task that has been suspended can be resumed when you click the 'Resume' button in your task list. You can then continue with the suspended task.

The system also gives you the option of carrying out the same action on many tasks simultaneously. To do this, you are required to select all the tasks that you want, by checking the box at the beginning of each row. The operations common to all the tasks are listed at the top of the Task Pane. You can select the appropriate one. The chosen action will be implemented for all the selected tasks. For example, after choosing the tasks that you require, you can acquire all of them in bulk (if the 'Acquire' operation is allowed for all the tasks).

Сору

A selected task can be copied by clicking on 'Copy' button in your task list.

Escalate

System allows you to escalate a task to a supervisor or a higher authority. Follows are the types of escalations:

- Auto Escalation When a task remains acquired yet un-attended at the end of the specified time span, system automatically escalates the task to the user's supervisor. If the supervisor does not take any action for the same time period, then system escalates the task to the second level in the hierarchy. This process goes on for a per-defined number of levels.
- Manual Escalation In case a task requires an action from a higher authority, you can
 manually escalate a task to the user's supervisor by clicking the 'Escalate' button in the
 task list.

On clicking the 'Escalate' button, the system invokes the 'Comments' screen.

Comments	
Reason Code	ST-SAVE-086
Remarks	Customer Address could not be confirme
	Ok Exit

The system prompts to enter the following details:

Reason Code

Select the reason code from the adjoining option list. This list displays all valid reason codes maintained as 'Common'.

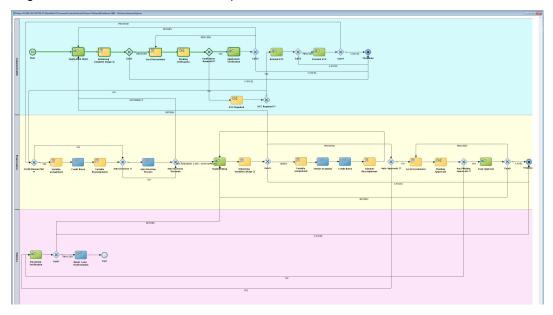
Remarks

Specify the reason for escalation here.

On escalation, the task appears under the 'Escalated' option in the Supervisor queue. When the supervisor opens the escalated task, system displays the reason of escalation and remarks as an information message.

Stage Status

In BPMN processes, the system allows you to view the flow diagram and the current stage of a particular task. On clicking the 'Stage Status' button in the task list, system displays the flow diagram, for the selected task, in a separate window.



Note

System supports the Stage Status image only for BPMN Processes.



2.3 Navigating the Workflow Menu

When you click the 'Workflow' option in the Landing Page, the following screen is displayed:

,					0 0	10100000000000	20202000	<u> </u>	1000	100000			
Home Interaction	s Customer	Workflow Tasks	Preferences			Change Branch	Options	Window	Help	Sign Off			
Workflow		٠									1	9	
Related Reference	%												
Account Number	%	25											
Branch	002	21 21											
Function Id	%												
Transaction Sequence Number	*												
From Date	2012-11-07												
To Date	2012-11-07	3											
		Search Reset											
Search Results													
Action Type	Acti	ion Count											
00000000													

The screen displays the different queues of the workflow process and the number of tasks against each queue. The workflow queues are as follows:

- Pending
- Assigned
- Failed
- Unassigned
- Completed
- Reversed
- Sent to Host
- Tanked
- Untanked
- Approved
- Auth History
- Sending for Authorization



To view the details of a particular queue, click on the queue. The details of all the tasks under the queue specified will be displayed as shown in the screen below:

Home Interaction	s Customer	Workflow Tasks	Preferences	10	Change Branch	Options	Window	Help	Sign Off	
Norkflow		+								- 31
Related Reference	%									
Account Number	%	21								
Branch	002	1								
Function Id	96									
Transaction Sequence Number	%									
	2012-11-07	13								
To Date	2012-11-07									
		Search Reset								
Search Results										
Action Type	Acti	on Count								
				1.1						

You can select the task on which you wish to perform an action to complete the process flow.

You can also carry out a search for tasks based on parameters of your choice by clicking the 'Search Tasks' option available in this screen. The following screen will be displayed;

Home Interact	ons Cu	ustomer	Workflow	Tasks	Preferences			Change Branch	Options	Window	Help	Sign Off			
Workflow				٠									0	9	
Related Reference	e %														
Account Numb	1 %		1												

You can specify the parameters for the query and click on the 'Search' button. All records satisfying the parameters are displayed. You can now choose the task on which you wish to perform some action.



3. Operations

3.1 Introduction

Oracle FLEXCUBE allows you to configure Queues, Landing and Sub-stages in the workflow layer to suit your bank's requirements. It also keeps track of duplication of transactions on the basis of the fields that you indicate.

3.2 Configuring Landing Page

The page that is displayed on invoking the application is called as the 'Landing Page'. As mentioned above, you can launch a search for a particular task on the basis of the fields displayed in the Task List pane under the 'All' sub-menu in the 'Search' main menu item. The fields under this sub-menu (All) are pre-defined in the system and represent all process flows. The search fields under the 'All' sub-menu are displayed as shown in the screen below:

DOCUMENT - 002 - 000 - Oracle FI	EXCUBE UBS1.1.2 - ENG - 2012-11-07 - Transaction Input - Windows	Internet Explorer	
Home Interactions Customer World Fasks	low Tasks Preferences	Change Branch Options Window Help Sign Of	CLRU
E Search →LL E Standard → Acquired(0) → Acquired(1) → Completed(0) → Pending(0) → Superiso(0)	Task List - Search Wonflow Reference Trains action Reference Assignee Group Customer Traine Anoun(= Value Arnoun(= Value Customer Traine Value Creation Dater[FormTo] Priorito Search		

You can also choose to maintain additional fields for specific process flows, When you maintain additional fields for search operation for a process flow, the process flow is displayed under the 'Search' main menu and all the fields (pre-defined and the additional ones maintained for the process flow) become available for you to search on.

You can define the process-flow specific additional fields in the 'Landing Page Configuration' screen, which you can invoke by typing 'SMDLNDPG' in the field at the top right corner of the Application tool bar and clicking the adjoining arrow button. The following screen is displayed:



🔶 Landing Page (Configuration))		31		_ ×
📋 New Enter 🕻	Query					
Maintenance Deta	ils					
Proc	cess Code					
Maintenance Deta	ils					
I4 4 10f1 🕨	H 6	-			+ - 1	
Field Name	Field Label	Display	Searchable	Sequence Number		
						8
						-
Mak	er		Date	Time:		
Check	er		Data	Time:		
			Date	nime.		Exit
Mod N	lo		Record S			
			Authorization S	Status		

Here, you can capture the following details:

Process Code

Specify the function ID associated with the process work flow for which you are defining additional details.

Field Name

Select the field name which should appear in the Task List pane when you carry out a search for a task under the process flow mentioned above.

Field Label

Specify the name that should be displayed in the Task List pane.

Display

Check this box if the value of the field specified should be displayed as part of task details when you click on a task. This is applicable only when the 'Process Code' field is 'specified as 'All'.

Searchable

Check this box to indicate that the field should be made available for searching tasks. This facility is available for any 'Process Code'.

Seq No

Specify the order of display for the filed.

For instance, if you have maintained the fields 'Currency' and Product ID as an additional field for the Export LC process flow, you can see these fields along with the ones available under

S Preferen	ces			Change	Branch Options	WINDOW H	np sign c		63
Task List	Search								
Workflow Transactii Titte = Assignee Customer Amount =	Reference = Value Group = Va Users = Va Name = Va Value	Value Iue							
Task List									
0	Workflow Reference	Transaction	Title	Assignee Group	Assignee	Customer	Amount		
	midjarahAccount1362		Application Entry	ALLROLES				2012-04-30 11:14:27 IST	
E Isia	midjarahAccount1574		Application Entry	ALLROLES				2012-05-10 15:16:46 IST	
🗆 Isla	midjarahAccount1575		Application Entry	ALLROLES				2012-05-10 15:40:50 IST	
E Imp	ortLCProcessFlow1587		Receive and Verify LC Import	ALLROLES,CCSEROLE				2012-05-11 12:11:04 IST	
E Imp	ontLCProcessFlow1687		Receive and Verify LC Import	ALLROLES.COSEROLE				2012-05-16 19:55:53 IST	
	Tesk Lite: Task L Transacti Transacti	Task List - Search Task List - Search Transaction Reference = Transaction Reference = Vatue Assignee Group = Vva Assignee Users = Vva Assignee Users = Vva Customer Name = Vva Customer Name = Vva Search Task List Vonflow Reference IslamicijarahAccount1562 IslamicijarahAccount1575 ImportLCProcessFlow1587	Task List - Search Workflow Reference Value Transaction Reference Value Assignee Group Value Assignee Group Value Assignee Group Value Assignee Users Value Customer Name Value Customer Name Value Createn Date(FromTo) Prontif, = Value Createn Date(FromTo) Search Task List Workflow Reference IstamicijarahAccount1574 IstamicijarahAccount1575 ImportLCProcessFlow1587				Task List - Search Customer Name Value Assignee Group Customer Name Value Amount Customer Name Value Amount Customer Name Value Amount Customer Name Value Amount Search Task List Constant Construct Case Construct IslamicijarahAccount1362 Application Entry IslamicijarahAccount1574 Application Entry IslamicijarahAccount1575 Application Entry Import.CProcessFlow1587 Reselve and Verity Import.CProcessFlow1687 Reselve and Verity AllcoLES.CCSEROLE </td <td>Task List - Search Task List - Search Task List - Search Transaction Reference I value Assignee Users Value Customer Name Value Search Task List Conson Search Task List Conson Section Transaction Islamicijarah-Account1362 Application Entry ALLROLES Islamicijarah-Account1574 Islamicijarah-Account1575 Application Entry ALLROLES Islamicijarah-Account1575 ImportLCProcessFlow1587 Receive and Verity ImportLCProcessFlow1587 Receive and Verity ImportLCProcessFlow1887 Receive and Verity</td> <td></td>	Task List - Search Task List - Search Task List - Search Transaction Reference I value Assignee Users Value Customer Name Value Search Task List Conson Search Task List Conson Section Transaction Islamicijarah-Account1362 Application Entry ALLROLES Islamicijarah-Account1574 Islamicijarah-Account1575 Application Entry ALLROLES Islamicijarah-Account1575 ImportLCProcessFlow1587 Receive and Verity ImportLCProcessFlow1587 Receive and Verity ImportLCProcessFlow1887 Receive and Verity	

the 'All' sub-menu, when you click the 'Export LC' queue under the 'Search' main menu item as shown in the screen below:

3.3 Configuring Queues

A queue represents a set of human tasks that are grouped on the basis of the common characteristics they share. For instance, you could have groups based on whether the tasks have been completed, deleted or the type of transaction

You can define the basis for grouping for each queue in the 'Queue Maintenance' screen. To invoke this screen, type 'SMDQUEMT' in the field at the top right corner of the Application tool bar and click the adjoining arrow button. The following screen is displayed:

New Queue Id * Queue Type Queue Criteria * Filter Column Operator Filter Value Other Submit Other Image Code * Main Menu Sub Menu Description	
Queue Criteria *	
Filter Column Operator Filter Value Other Submit Itanguage Code + Main Menu Sub Menu Description Image: Code + Main Menu Sub Menu Description Image: Code + Main Menu Sub Menu Description Image: Code + Image: Code + Main Menu Sub Menu Description Image: Code + Image: Code + </td <td></td>	
And DR () Submit	
And OR () Submit	
Id < 10f1	s E
Language Code + Main Menu Sub Menu Description	
	•
	-
Maker Date Time: Mod No Checker Record Status	
Date Time: Authorization Status	Exit

In this screen, you are required to specify the following details:

Queue ID

Specify a unique identification code for the queue.

Queue Type

Indicate the type of tasks that should be displayed for the queue you are defining. Select one of the following values from the adjoining drop-down list:

- Editable tasks: Tasks where the user will be allowed to modify existing data.
- Read-only Tasks: Tasks where the user can only view existing information.
- Normal Tasks All the tasks for which the user has rights (editable/read-only)
- Supervisor All tasks pertaining to the all the subordinates of the user.
- Current stage The current stage of a process instance in which the user has performed at least one task.

Queue Criteria

Specify the criteria to be used to filter all tasks. The criteria specified here and the queue type you have indicated earlier determine the tasks that are displayed under each queue.

You can also associate Function IDs to queues by specifying them here. If you do so, only those Function IDs that have been associated can be accessed by the user. If there is no such association in the criteria, all Function IDs will be made available for the queue.

Filter Column

Indicate the basis for filtering the tasks.

Operator

Indicate the operator.

Filter Value

Specify the value to be considered for filtering.

Others

If 'Filter Value' chosen is 'Others', you can specify the value here.

Language Code

Indicate the language code to be used for the queue ID.

Main Menu

Indicate the name of the group under which the queue should be placed.

Sub-Menu

Specify the name for the queue. This will appear under the Main Menu.

Description

Specify a relevant description that will be displayed when you point the mouse on the Sub-Menu.



lasks	*								0.9	<u>8</u>
Search	Task	List								
→ ALL Standard				44 4 Page 1 Of 1	How States And Stat	Go				
■ Janoured(0)		Workflow Reference	Transaction Reference	Title	Assignee Group	Assignee Users	Customer Name	Amount	Creation Date (From\To)+	Priorit
		IslamidjarahAccount1362		Application Entry	ALLROLES				012-04-30 1:14:27 IST	
		IslamidjarahAccount1574		Application Entry	ALLROLES				012-05-10 5:16:46 IST	
		IslamidjarahAccount1575		Application Entry	ALLROLES				012-05-10 5:40:50 IST	
		ImportLCProcessFlow1587		Receive and Verify LC Import	ALLROLES,CCSEROLE				012-05-11 2 11:04 IST	
		ImportLCProcessFlow1687		Receive and Verify LC Import	ALLROLES.CCSEROLE				012-05-16 9:55:53 IST	

Workflow places the tasks that meet the criteria specified for each queue as shown below:

3.4 Configuring Sub-Stages

In the BPEL workflow layer, there are several points at which human tasks are generated. These tasks can be further divided into sub-stages which have entry conditions, exit outcomes etc. You can capture these details in the 'Task Sub Stage Maintenance' screen. You can invoke this screen by typing 'SMDSUBST' in the field at the top right corner of the Application tool bar and clicking the adjoining arrow button. The following screen is displayed:

🕨 Task Sub Stage Mainte	nance				_
New					
Function	ld *				
I∢ ∢ 10f1 ► ►I	Gn			+	
Sequence Number *	Sub Stage Function Id *	Sub Stage Name *	Outcome list *	Reject To Stage	*
					~
					- F
Maker		Date Time:			
Maker Checker		Date Time:			
		Date Time: Date Time:			Exit
					Exit

You are required to maintain the following details in this screen:

Function ID

Specify the Function ID associated with the human task for which you are defining substages. The adjoining option list displays all valid function IDs available in the system. You can select the appropriate one.

Seq No

The system displays the sequence number for the current sub-stage.



Sub Stage Function Id

Specify the Function ID for the sub-stage. The adjoining option list displays all valid function IDs available in the system. You can select the appropriate one. The roles and the screen displayed for the sub-stage are fetched accordingly. This can be the same as the main Function ID for the task.

Sub Stage Name

Specify a unique name for the sub-stage.

Outcome List

Specify the possible outcomes allowed for this sub-stage. You can have any of the following:

- MOVENXT: If this is chosen, the current Function ID screen will be closed and the process will move on to the next sub-stage in sequential order
- AUTOMOVENXT: If this option is selected, the task will go to the next stage. The next sub-stage will be acquired automatically (provided the user has the relevant rights). The Function ID of the next sub-stage will be displayed in the screen.
- MOVEPREV: If this is chosen, the task will be moved to the previous stage mentioned or to the sub-stage sequence number specified in the 'Reject To Stage' field.

To facilitate this configuration, you need to map the first sub-stage to the Function ID of the human task. Also, you will be allowed to select only the 'MOVEPREV' option for the last sub-stage you have defined.

Entry Rule

Specify the conditions that need to be fulfilled for this sub-stage to be initiated. The specification is done in the same syntax as that for the queue configuration. If the criteria specified are satisfied, then the transaction comes to this sub-stage. If not, it moves to the next sub-stage.

Reject To Stage

This is the sub-stage to which a task is sent to in case the task is rejected at any point in the sub-stage process. If you do not specify any value for this, a rejected task will be sent to the previous level.

3.5 Checking Duplicate Transactions

During initiation of a process flow, when you enter and save the data, the system checks for duplicate transactions among all authorized and unauthorized tasks carried out on the same day. This check is performed based on a list of fields maintained for every transaction type. If duplicate transactions exist, The system will display the overrides message with Workflow reference numbers of all the matching tasks.

You can however, override the message and continue with the current process.

You can define the fields that need to be matched for duplication in the 'Function Description Maintenance' screen. You can invoke this screen by typing 'SMDFNDSC' in the field at the top right corner of the Application tool bar and clicking the adjoining arrow button.

Function Description								_ ×
🚹 New								
Function It Module Lis User Function It Type String	Maintenance Tanking Re Dual Autho Remarks F Excel Expo	equired rization Required rt Required h Access	Name Type Form Menu Head Available Automatic End of Day awafe D Log Event Customer Access Auto Autoration Head Office Function Duplicate task check					
Control String for 1 Function Description I 1 10ff > > > > > > > > > > > > > > > > > >	(type) (type) Main Menu	Sub Menu 1	Sub Menu 2	Balloon Help	Description	0	C	
Field Properties								
Maker Checker		Date Ti Date Ti			Mod No d Status n Status			Exit

In this screen, you are required to indicate the following details to facilitate checking for duplicate transactions:

Duplicate Check

Check this box to ensure that a validation is carried out to track duplication of transactions.

Field Name

Specify the field that should be the basis on which transaction duplication is checked.

Enabled

Check the box against each field whose values you want the system to compare across transactions.

3.6 Enabling User Rights

As mentioned earlier, each human task has a Function ID and the roles assigned to the Function ID are inherited by the task when it is initiated. A user, with access rights to the Function ID for the task, can either view the details of the task or perform edit operations on it.

You can define these rights in the 'Process Stage Rights' screen. To invoke this screen, type 'SMDROLDF' in the field at the top right corner of the Application tool bar and click the

adjoining arrow button. In the 'Role Maintenance' screen that is displayed, click 'Process Rights' button. The following screen is displayed:

Process Stage Right	S	_ ×
Process		
I	Go	
Role Function	Editable	<u>^</u>
•		8
		~
		Ok Exit

Specify the following details in the screen:

Role Function

Specify the Function ID for which you wish to define rights. The adjoining option list displays all valid function IDs available in the system. You can select the appropriate one.

Editable

Check this box if you wish to allow editing of data for this task/Function ID. If you do not check this box, the user can only view details for the role function specified earlier.

You can, therefore, use this screen to allow only editing or only modifying rights for a user for different role functions.



4. Function ID Glossary

S

SMDFNDSC	
SMDLNDPG	
SMDQUEMT	3-3

SMDROLDF	
SMDSUBST	

