Profix Interface

Oracle FLEXCUBE Universal Banking
Release 11.3.1.0.0EU
[April] [2012]
Oracle Part Number E51534-01

Table of Contents

1. ABOUT THIS MANUAL 1-1
1.1 INTRODUCTION 1-1
1.2 AUDIENCE 1-1
1.3 ABBREVIATIONS 1-1
1.4 CONVENTIONS USED IN THIS MANUAL 1-1

2. PROFIX INTERFACE 2-2
2.1 INTRODUCTION 2-2
2.1.1 Process Flow 2-2
2.2 REGENERATING THE NOTIFICATION 2-2
2.3 QUERYING THE LOG TABLE 2-3
2.4 MAINTAINING SECONDARY DETAILS FOR PROFIX 2-4
2.4.1 Maintaining Secondary Parameters Details 2-5
2.4.2 Maintaining Profix Status Code 2-6
2.4.3 Maintaining Profix Event Code 2-7
2.5 CAPTURING SECONDARY PAYMENT DETAILS 2-8
2.5.1 Processing Secondary Details in Outgoing Payment Messages 2-8
2.5.2 Processing Secondary Details in incoming Payment Messages 2-8
2.6 VIEWING PAYMENT HISTORY DETAILS 2-9
2.6.1 Viewing History Details 2-9
2.7 PROCESSING NOSTRO ACCOUNTS FOR PROFIX: 2-10
2.8 CLARIFICATION PAYMENT DETAILS 2-10
2.8.1 Outgoing Domestic (PC) Payment: 2-10
2.8.2 Incoming payments: 2-10

3. SCREEN GLOSSARY 3-1
3.1 FUNCTION ID LIST 3-1

1. About this Manual

1.1 Introduction

This manual is designed to help you quickly get acquainted with interface between Oracle FLEXCUBE and the external system, Profix.

1.2 Audience

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

Role	**Function**
Back office clerk	Input functions for contracts
Back office managers/officers	Authorization functions
Product Managers	Product definition and authorization
End of day operators	Processing during end of day/ beginning of day
Financial Controller / Product Managers	Generation of reports

1.3 Abbreviations

The following abbreviations are used in this User Manual:

Abbreviation	**Description**
SCFMU	Specially Authorized Executive Body for Financial Monitoring

1.4 Conventions Used in this Manual

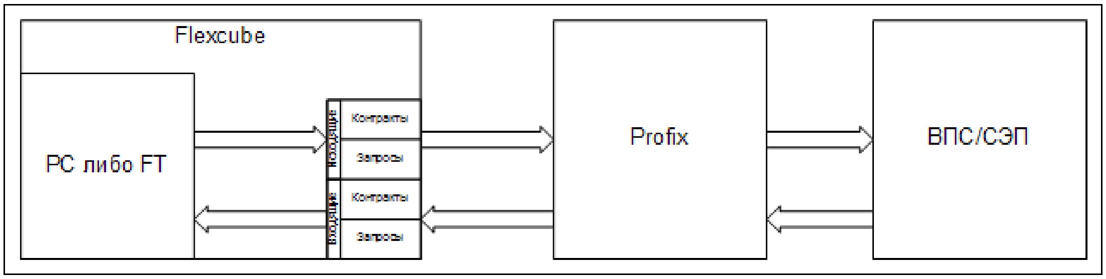
Important information is preceded with the STOP symbol.

2. Profix Interface

2.1 Introduction

The external system, Profix provides communication between Oracle FLEXCUBE and Integrated Payment System of the bank or System of Electronic Payment of National Bank of Ukraine.

The following diagram illustrates the data exchange that happens between Profix and Oracle FLEXCUBE.



2.1.1 Process Flow

2.1.1.1 Outgoing Payment

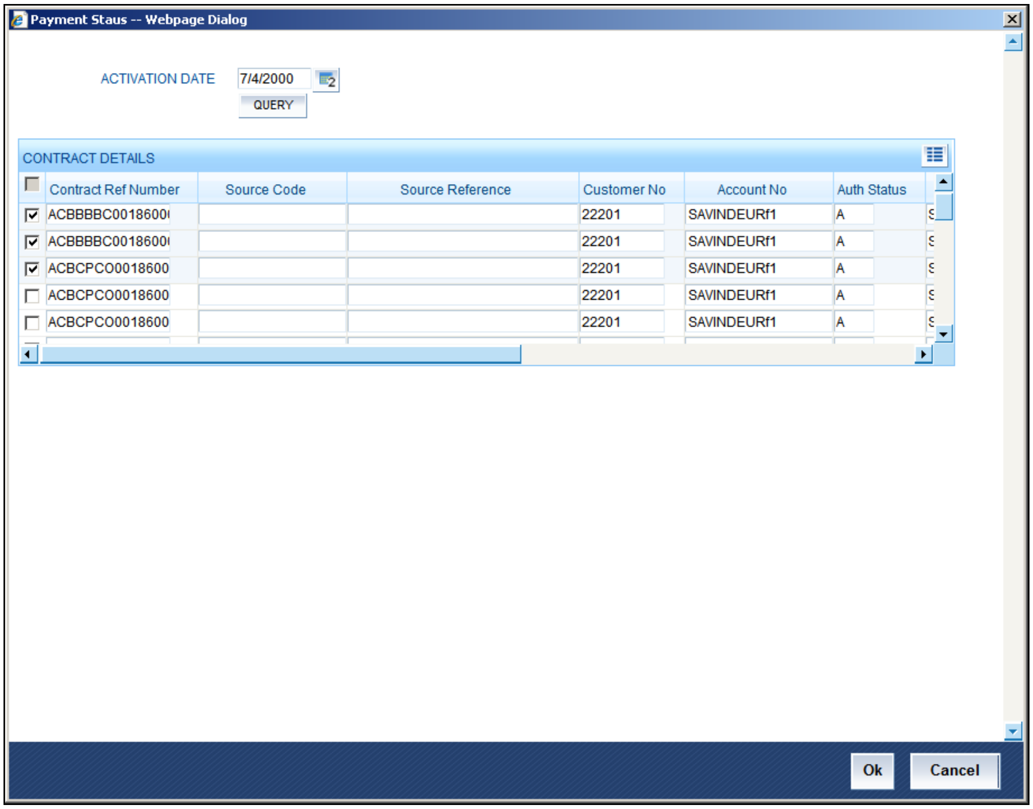
1. You maintain the Payments and Collections contract details in Oracle FLEXCUBE. During the save of the contract, the system triggers ‘BOOK’ and ‘INIT’ events.
2. If there are any data related issues, you cannot save the contract. Once ‘BOOK’ and ‘INIT’ events are successfully executed, the contract is ready to be authorized.
3. During authorization of the contract, the system passes the accounting entries and if it is successful then contract details are logged in messaging queue.
4. The system creates an XML with handoff details required by external system.

2.1.1.2 Incoming Payment

1. The requests to Oracle FLEXCUBE Gateway from the external systems are kept in an incoming queue configured for the external systems. The system picks up those requests from this queue and processes the requests.
2. The system logs the requests in a log table. The time logged and status of the transaction is maintained in the log table.

2.2 Regenerating the Notification

You can regenerate the outgoing payment notification using ‘Payment Status’ screen. You can invoke this screen by typing ‘PCDLIQDT‘ in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.



ACTIVATION DATE 7/4/2000

☐	Contract Ref Number	Source Code	Source Reference	Customer No	Account No	Auth Status	
☑	ACBBBBC0018600			22201	SAVINDEURf1	A	S
☑	ACBBBBC0018600			22201	SAVINDEURf1	A	S
☑	ACBCPCO0018600			22201	SAVINDEURf1	A	S
☐	ACBCPCO0018600			22201	SAVINDEURf1	A	S
☐	ACBCPCO0018600			22201	SAVINDEURf1	A	S

Activation Date

Specify the activation date for querying the records. You can choose this date from the option list as well.

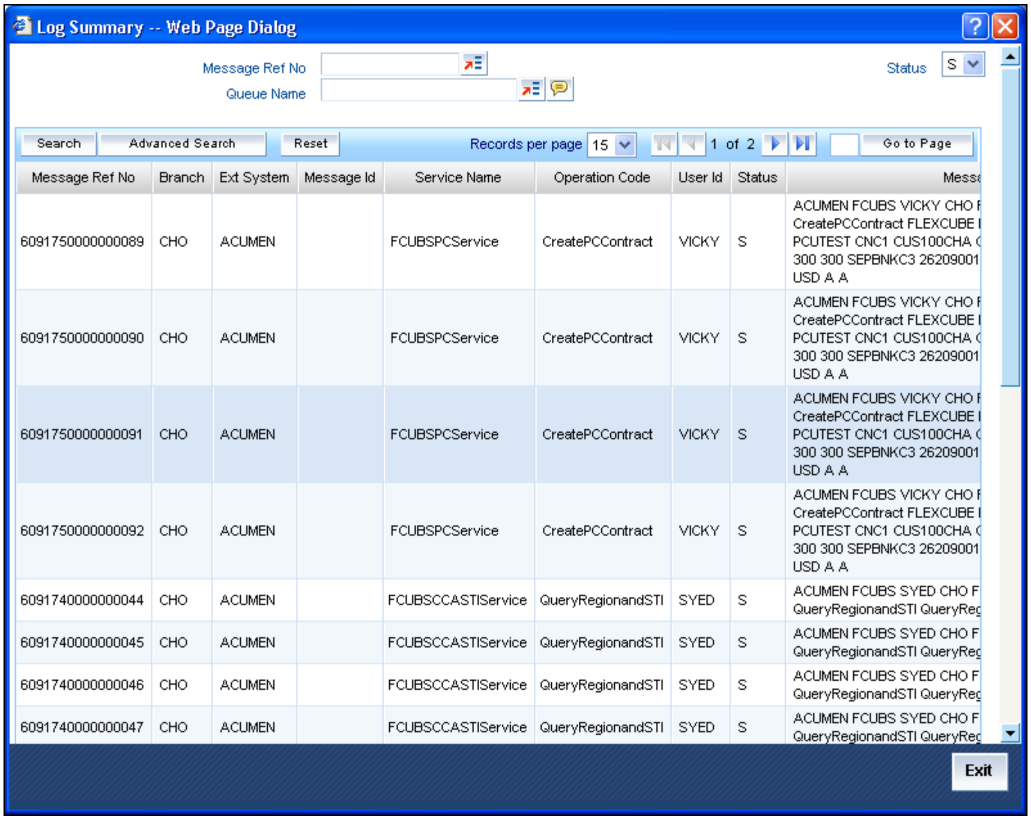
The following fields are displayed in this screen.

- Contract Reference Number
- Source Code
- Source Reference
- Customer Number
- Account Number
- Authorization Status
- Name
- Upload Status

You can select the record and click ‘OK’ to regenerate the outgoing payment notification.

2.3 Querying the Log Table

You can query the log table using ‘Log Summary’ screen. You can invoke this screen by typing ‘IFSLOGQR ‘ in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.



Message Ref No

Queue Name

Status: S

Records per page: 15

Message Ref No	Branch	Ext System	Message Id	Service Name	Operation Code	User Id	Status	Messa
6091750000000089	CHO	ACUMEN		FCUBSPCService	CreatePCContract	VICKY	S	ACUMEN FCUBS VICKY CHO CreatePCContract FLEXCUBE PCUTEST CNC1 CUS100CHA 300 300 SEPBNKC3 26209001 USD A A
6091750000000090	CHO	ACUMEN		FCUBSPCService	CreatePCContract	VICKY	S	ACUMEN FCUBS VICKY CHO CreatePCContract FLEXCUBE PCUTEST CNC1 CUS100CHA 300 300 SEPBNKC3 26209001 USD A A
6091750000000091	CHO	ACUMEN		FCUBSPCService	CreatePCContract	VICKY	S	ACUMEN FCUBS VICKY CHO CreatePCContract FLEXCUBE PCUTEST CNC1 CUS100CHA 300 300 SEPBNKC3 26209001 USD A A
6091750000000092	CHO	ACUMEN		FCUBSPCService	CreatePCContract	VICKY	S	ACUMEN FCUBS VICKY CHO CreatePCContract FLEXCUBE PCUTEST CNC1 CUS100CHA 300 300 SEPBNKC3 26209001 USD A A
6091740000000044	CHO	ACUMEN		FCUBSCCASTIService	QueryRegionandSTI	SYED	S	ACUMEN FCUBS SYED CHO F QueryRegionandSTI QueryReg
6091740000000045	CHO	ACUMEN		FCUBSCCASTIService	QueryRegionandSTI	SYED	S	ACUMEN FCUBS SYED CHO F QueryRegionandSTI QueryReg
6091740000000046	CHO	ACUMEN		FCUBSCCASTIService	QueryRegionandSTI	SYED	S	ACUMEN FCUBS SYED CHO F QueryRegionandSTI QueryReg
6091740000000047	CHO	ACUMEN		FCUBSCCASTIService	QueryRegionandSTI	SYED	S	ACUMEN FCUBS SYED CHO F QueryRegionandSTI QueryReg

You can query the records by the following fields:

- Message Reference Number
- Queue Name
- Status

The following fields are displayed in this screen:

- Message Reference Number
- Branch
- External System
- Message ID
- Service Name
- Operation Code
- User ID
- Status
- Message
- Queue Name

2.4 Maintaining Secondary Details for ProFix

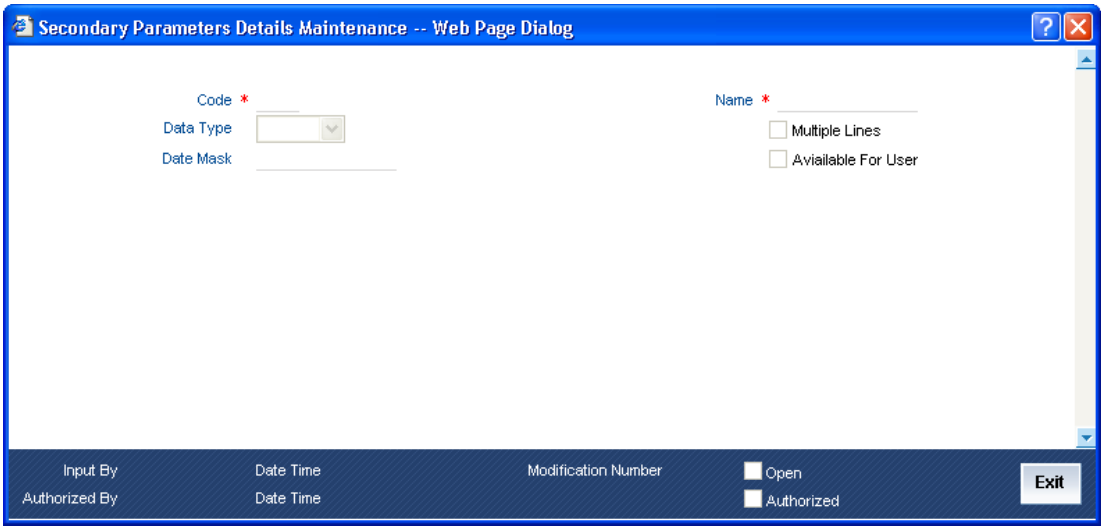
Oracle FLEXCUBE allows you to maintain the list of secondary details along with their corresponding code which are transferred to ProFix along with payment information. The following secondary details can be a part of incoming and outgoing files:

- Purpose of payment
- Additional information

2.4.1 Maintaining Secondary Parameters Details

The secondary fields are maintained as codes in ‘Secondary Parameters Details Maintenance’ screen.

You can invoke this screen by typing ‘PCDSECPR‘ in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.


Secondary Parameters Details Maintenance -- Web Page Dialog
Code *
Data Type
Date Mask
Name *
☐ Multiple Lines
☐ Aviailable For User
Input By
Authorized By
Date Time
Date Time
Modification Number
☐ Open
☐ Authorized
Exit

The following details can be maintained here:

Code

Specify the code you want to assign for a parameter here.

Name

Specify a name for the parameter for which you are maintaining the code.

Data Type

Select the data type from the list of options:

- D – Date. The date mask field gets enabled.
- T – Text
- N - Number

Multiple Lines

Check this box to indicate if this code can be used multiple times.

Date Mask

Specify the date mask if the data type you selected is date.

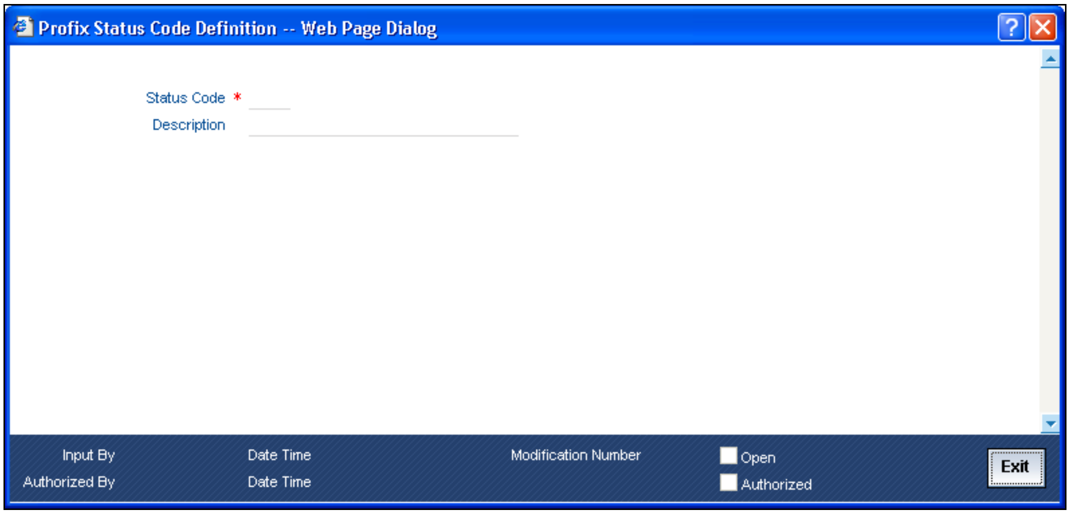
Available for User

Check this box to indicate if this parameter is available for the user to edit.

2.4.2 Maintaining Profix Status Code

You can maintain the list of ProFix/SEP status code in system to identify if the payment has been created or rejected.

The status code details are maintained in ‘Profix Status Code Definition’ screen. You can invoke this screen by typing ‘PCDPROST’ in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.


Profix Status Code Definition -- Web Page Dialog
Status Code *
Description
Input By
Authorized By
Date Time
Date Time
Modification Number
☐ Open
☐ Authorized
Exit

You can maintain the following details here:

Status Code

Specify the status code for a particular status here.

Description

Specify a description for the code you are maintaining.

Example

The following status codes and description can be maintained.

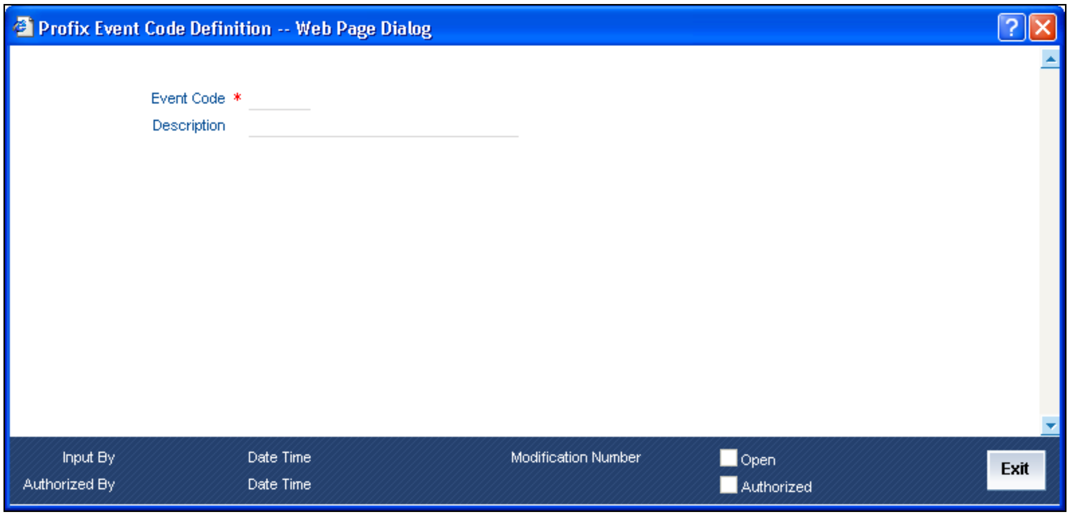
Status code	**Description**
P	Document is accepted by ProFix
O	Document is sent to SEP
G	Document is reflected on the correspondent account
+	Document is closed
E	Document is rejected in SEP

Status code	Description
R	Document is returned to FlexCube

2.4.3 Maintaining Profix Event Code

You can maintain the list of ProFix/SEP event code and description in system.

The event code details are maintained in ‘Profix Event Code Definition’ screen. You can invoke this screen by typing ‘PCDPROEV’ in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.


Profix Event Code Definition -- Web Page Dialog
Event Code *
Description
Input By
Authorized By
Date Time
Date Time
Modification Number
☐ Open
☐ Authorized
Exit

You can maintain the following details here:

Event Code

Specify the event code for a particular event here.

Description

Specify a description for the code you are maintaining.

Example

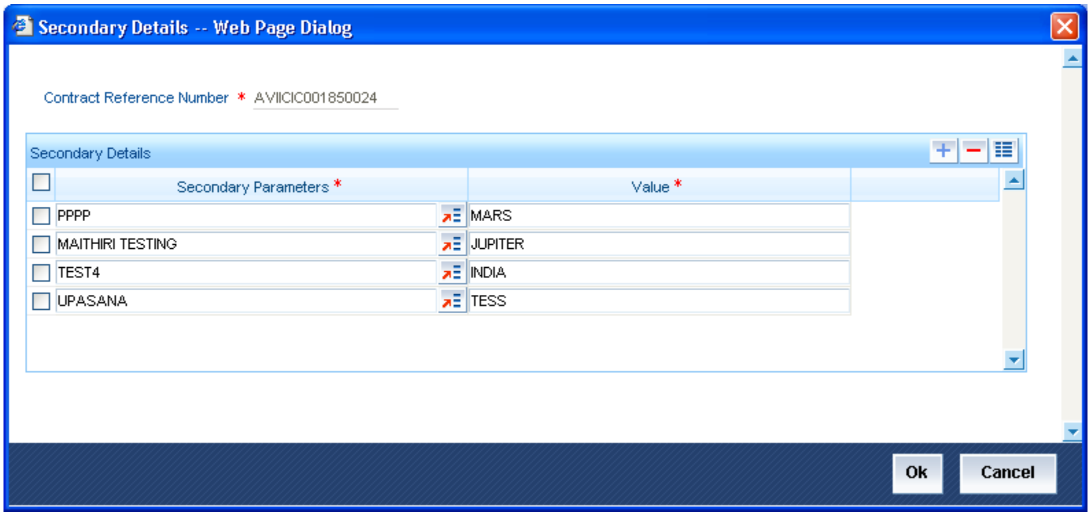
The following event codes and description can be maintained.

Event code	Event description
1	Initial document is sent from FlexCube
2	Initial document is received in ProFix
3	Document is sent in ARM-SEP
4	Initial document is confirmed - received T-file
5	Document is confirmed - received K-file

Event code	Event description
6	Document is confirmed - created Z-file

2.5 Capturing Secondary Payment Details

You can capture the secondary payment details of a transaction in the ‘Secondary Details’ screen. You can invoke the ‘Secondary Details’ screen from the PC Transaction Input screen by clicking ‘Secondary Details’ button.



Contract Reference Number * AVIICIC001850024

☐	Secondary Parameters *	Value *
☐	PPPP	MARS
☐	MAITHIRI TESTING	JUPITER
☐	TEST4	INDIA
☐	UPASANA	TESS

The Secondary detail screen and the processing are explained under the heading ‘Specifying Secondary Payment Details’ in the Payments and Collections user manual.

2.5.1 Processing Secondary Details in Outgoing Payment Messages

For an outgoing payment message, the secondary details are maintained in FLEXCUBE. There is no other validation on the Secondary details of payments values apart from the codes of data type as Date against Date Mask if it is specified. The payment values are not validated in Oracle FLEXCUBE. The secondary details are captured in the form of simple text in multi line with each line having max of 217 chars with a maximum number of 99 lines.

2.5.2 Processing Secondary Details in incoming Payment Messages

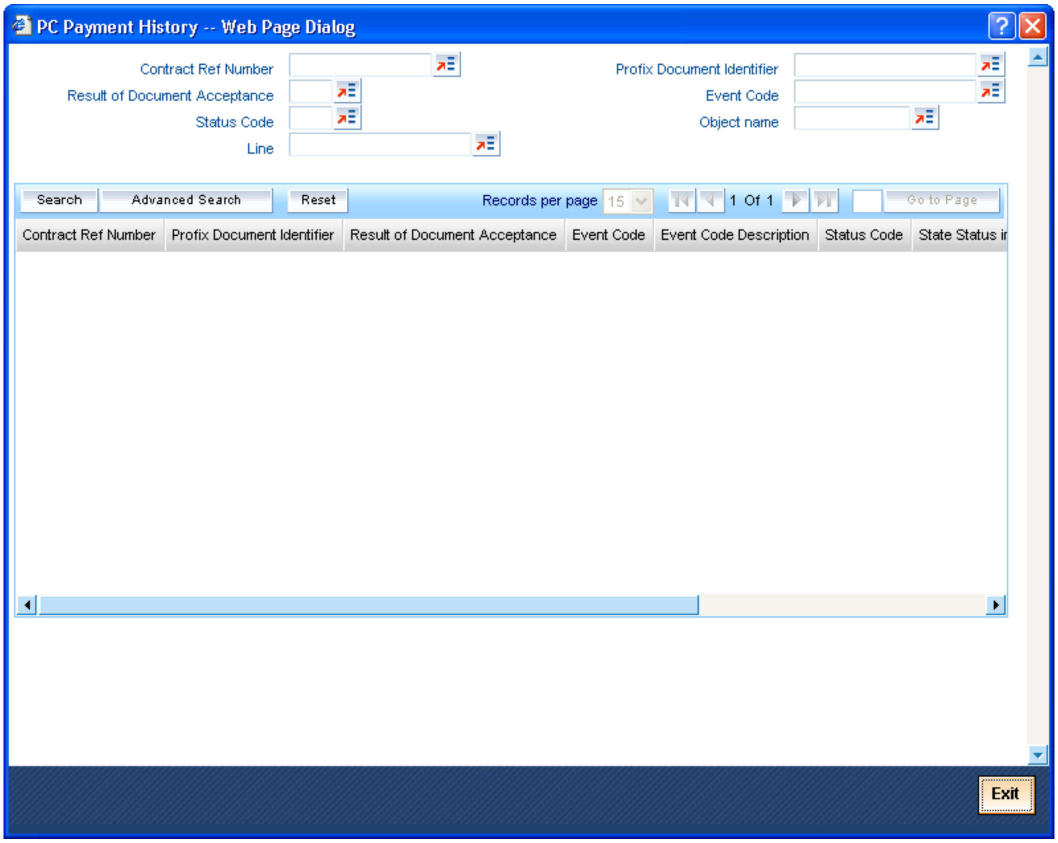
The secondary details in the incoming payment details from Profix, are transferred in separate multiline field with indication of the secondary detail code and value. You can view secondary details and the system will not perform any validation.

Secondary detail screen and the interface processing are explained under the heading 'Specifying Secondary Payment Details' in the Payments and Collections user manual.

2.6 Viewing Payment History Details

After a PC contract is authorized successfully in FLEXCUBE and all the events being processed, FLEXCUBE will send notification to Profix. After validations ProFix generates acknowledgement as "S" or "E". FLEXCUBE will reverse the contract if status sent is "E". In case of acknowledgement "S", 'Payment Status' in 'PC Transaction Input screen' gets displayed as "Success" and for "E" as "Rejected".

The details can be viewed using the 'PC Payment History' summary screen. You can invoke this screen by typing 'PCSPYHST' in the field at the top right corner of the Application tool bar and clicking on the adjoining arrow button.


PC Payment History -- Web Page Dialog
Contract Ref Number
Result of Document Acceptance
Status Code
Line
Profix Document Identifier
Event Code
Object name
Search
Advanced Search
Reset
Records per page
15
1 Of 1
Go to Page
Contract Ref Number
Profix Document Identifier
Result of Document Acceptance
Event Code
Event Code Description
Status Code
State Status ir
Exit

The PC Payment History details and processing are explained under the topic 'Viewing Payment History Details' in the chapter 'Maintaining Information Specific to the Payments and Collections Module' of this user manual.

2.6.1 Viewing History Details

You can view the payment status history details of a particular contract in the 'History' screen. You can invoke the 'History' screen from the PC Transaction Input screen by clicking 'History' button.

The PC Payment History details and processing are explained under the topic 'Viewing Payment History Details' in the chapter 'Maintaining Information Specific to the Payments and Collections Module' of this user manual.

2.7 Processing Nostro Accounts for Profix:

During EOD/BOD NOSTRO accounts are notified to Profix. Profix can send query with account number to get account balance and debit & credit turnovers.

2.7.1.1 Payment Reconciliation:

During payment reconciliation after receiving the block request from Profix, Oracle FLEXCUBE blocks the NOSTRO account for domestic payment until reconciliation completes. Any payment comes during this time goes to Exception Queue and later you can upload the payment after receiving the unblock NOSTRO request from Profix after completing reconciliation.

During reconciliation all the PC contracts would go into exception queue and they have to be retried manually by the bank. Error during reconciliation is handled by bank.

2.8 Clarification Payment Details

Oracle FLEXCUBE validates the incoming payment with Customer Account Number and Tax ID. Counter Party Bank validates outgoing domestic payments with their Account Number and Tax ID. The system sends or receives clarification details for those wrong details payments from counter party Bank

2.8.1 Outgoing Domestic (PC) Payment:

If validation fails during outgoing payment, then counter party bank has to send the payment details to the system for clarification to get correct Account Number or Tax ID. You need to copy the original contract and add Counter Party account number or Tax ID in Secondary details under dummy product, where original reference number will be same as original contract.

2.8.2 Incoming payments:

If validation fails during incoming payments, then funds are moved to suspense account. You need to enter the details in Secondary details to get clarification for payment from Counter party Bank.

When system receives details from Counter party Bank after the validation it will display the details with the Initial Payment Identifier (Original Contract ref, Number). You can create the contract after verifying the new account number and Tax ID, Debit Suspense Account and Credit to the correct (new) Beneficiary Account Number, original payment reference number as user reference number are used.

You can view the list of clarification payment details in the 'PC Transaction Summary' screen.

During the Incoming payment upload, debit account currency is checked with Product Category. If the currency not allowed then payment will be rejected. The debit account currency can be restricted or allowed as per the maintenance in 'Product Category maintenance' screen.

3. Screen Glossary

3.1 Function ID List

The following table lists the function id and the function description of the screens covered as part of this User Manual.

PCDLIQDT	**Payment Status**
IFSLOGQR	Log Summary
PCDSECPR	Secondary Parameters Details Maintenance
PCDPROST	Profix Status Code Definition
PCDPROEV	Profix Event Code Definition
PCSPYHST	PC Payment History

Profix Interface
[April] [2012]
Version 11.3.1.0.0EU

Oracle Corporation
World Headquarters
500 Oracle Parkway
Redwood Shores, CA 94065
U.S.A.

Worldwide Inquiries:
Phone: +1.650.506.7000
Fax: +1.650.506.7200
www.oracle.com/ financial_services/

Copyright © [2012] Oracle Financial Services Software Limited. All rights reserved.

No part of this work may be reproduced, stored in a retrieval system, adopted or transmitted in any form or by any means, electronic, mechanical, photographic, graphic, optic recording or otherwise, translated in any language or computer language, without the prior written permission of Oracle Financial Services Software Limited.

Due care has been taken to make this document and accompanying software package as accurate as possible. However, Oracle Financial Services Software Limited makes no representation or warranties with respect to the contents hereof and shall not be responsible for any loss or damage caused to the user by the direct or indirect use of this document and the accompanying Software System. Furthermore, Oracle Financial Services Software Limited reserves the right to alter, modify or otherwise change in any manner the content hereof, without obligation of Oracle Financial Services Software Limited to notify any person of such revision or changes.

All company and product names are trademarks of the respective companies with which they are associated.