Oracle® Banking Corporate Lending Development Workbench – Tracking Changes





Oracle Banking Corporate Lending Development Workbench - Tracking Changes, Release 14.8.1.0.0

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Contents

Preface

	Purpose	i
	Acronyms and Abbreviations	i
	Audience	i
	Critical Patches	ii
	Conventions	ii
	Diversity and Inclusion	ii
	Documentation Accessibility	ii
	Related Resources	iii
	Screenshot Disclaimer	iii
1	View Changes	
	1.1 Process Steps - View Changes	1
2	Change Report	
	2.1 Process Steps - Change Report	2
	2.2 Functionality Demonstration	8
	2.2.1 Order Changes	11



Preface

This topic contains the following sub-topics:

- Purpose
- Acronyms and Abbreviations
- Audience
- Critical Patches
- Conventions
- · Diversity and Inclusion
- Documentation Accessibility
- Related Resources
- Screenshot Disclaimer

Purpose

This manual is designed to help acquaint you with the Tracking Changes available in Oracle FLEXCUBE Development Workbench for Universal Banking. This manual guides the developers on using this feature.

Acronyms and Abbreviations

Table 1 Acronyms and Abbreviations

Acronyms	Abbreviations	
FCUBS	Oracle FLEXCUBE Universal Banking Solution	
OBCL	Oracle Banking Corporate Lending	
ODT	Oracle Development Tool	

Audience

This document is intended for Oracle FLEXCUBE Universal Banking Application developers/ users that use Development Workbench to develop various Oracle FLEXCUBE Universal Banking components. To use this manual, the user needs a conceptual and working knowledge of the below:



Table 2 Proficiency Details

Proficiency	Resources
Oracle FLEXCUBE Universal Banking Technical Architecture	Training programs from Oracle Financial Software Services.
Working knowledge of Web based applications	Self Acquired
Working knowledge of Oracle Database	Oracle Documentations

Critical Patches

Oracle advises customers to get all their security vulnerability information from the Oracle Critical Patch Update Advisory, which is available at <u>Critical Patches</u>, <u>Security Alerts and Bulletins</u>. All critical patches should be applied in a timely manner to ensure effective security, as strongly recommended by <u>Oracle Software Security Assurance</u>.

Conventions

The following text conventions are used in this document:

Table 3 Conventions

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.
italic	Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.
monospace	Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter.

Diversity and Inclusion

Oracle is fully committed to diversity and inclusion. Oracle respects and values having a diverse workforce that increases thought leadership and innovation. As part of our initiative to build a more inclusive culture that positively impacts our employees, customers, and partners, we are working to remove insensitive terms from our products and documentation. We are also mindful of the necessity to maintain compatibility with our customers' existing technologies and the need to ensure continuity of service as Oracle's offerings and industry standards evolve. Because of these technical constraints, our effort to remove insensitive terms is ongoing and will take time and external cooperation.

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Access to Oracle Support

Oracle customer access to and use of Oracle support services will be pursuant to the terms and conditions specified in their Oracle order for the applicable services.

Related Resources

For more information on any related features, refer to the following documents:

- Development Workbench Screen Development I
- Development Workbench Screen Development II
- Child and Screen Childs Concept and Design
- Development of Online Forms
- Development of Call Forms
- Development of Launch Forms and Others Screens

Screenshot Disclaimer

Personal information used in the interface or documents is dummy and does not exist in the real world. It is only for reference purposes.

View Changes

The **View Changes** page allows the developer to see what exact change has been done in the RADXML as part of the various nodes in the Workbench across different releases.

Track changes display various changes in each node in the RADXML through color. For example, the modified values are displayed in Blue and the new values in Green color.

The main page of **View Changes** looks like a function generation page. On the **View Changes** page, the user is allowed to load a RADXML. Then Workbench shows all the changes done in the RADXML across the release and release type accordingly with two different colors:

- Blue indicates Modified
- Green indicates New

So by using **View Changes** option in Development Workbench, the user can easily identify the changes done in the RADXML across releases and release types.

This topic contains the following sub-topic:

<u>Process Steps - View Changes</u>
 This topic provides systematic instructions to perform View Changes.

1.1 Process Steps - View Changes

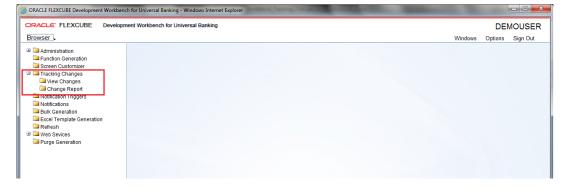
This topic provides systematic instructions to perform View Changes.

On Home Screen, under the Browser node, click Tracking Changes.

It has the following options:

- View Changes
- Change Report

Figure 1-1 Development Workbench of Universal Banking - Tracking Changes



2. Under Tracking Changes, click View Changes.

The View Changes screen displays.



Vew Changes

Action Function Type Function Type Function Type Function Gategory Function Idea of Template Function Footer Template Footer Temp

Figure 1-2 Tracking Changes_View Changes

3. Click the **BROWSE** button in the **Load Screen Xml** field to load and view the changes in the radxml across releases and release types.

The **Upload** and **Choose File to Upload** windows displays.



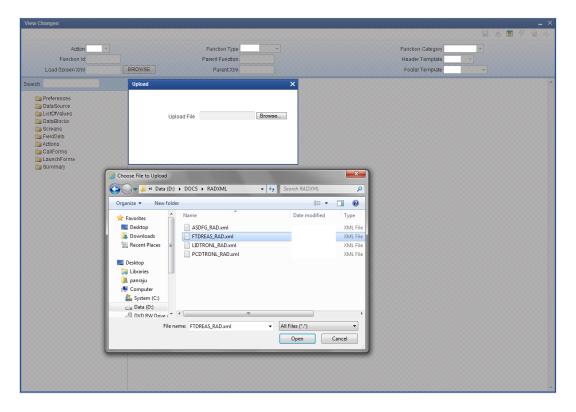


Figure 1-3 View Changes_Load Screen Xml_Upload

Note

Workbench allows to view the changes done as part of Child or Cluster or Custom Release. Upon loading the Cluster or Custom or Child RAD xml, it shows the modifications done as part of Cluster or Custom or Child.

4. Load the radxml from the folder at **Choose File to Upload** window and click the **Open** button.

View Changes window will pop up and will notify the details of the function id like **Function Type**, **Release Type** and **Release Code**. It also notifies that changes done in the radxml as part of Cluster Release will be highlighted.

The View Changes pop-up window displays.



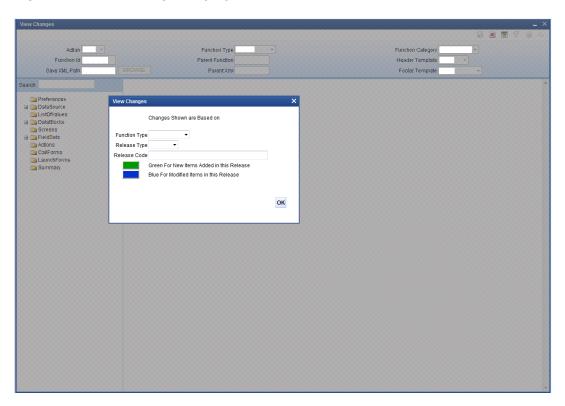


Figure 1-4 View Changes Pop-up Window

5. Load the Function ID.

This will show the changes in the colors of blue and green. Blue indicates modified and green indicates new in this function id.

The Workbench will show the **View Changes** screen in the below format of blue and green accordingly.



<u>×</u> ≡ Function Category Maint Function Id FTDREAS Parent Function Header Template None Save XML Path FTDREAS_RA BROWSE Footer Template Parent Xml Block Field Properties - M 🗖 🦻 Preferences

Simpostasource
Simposta Required Field Name * MODULE MODULE XSD Tag Field Label LBL_MODULE CSTBS_CONTRACT_EVEN MODULE ∇isible
 Read Only
 Calender Text XSD Annotation Field Size Maximum Length Data Type * Varchar2 ▼
Display Type

Text Popup Edit Required Minimum Value Uppercase Only Maximum Value Item Type Database Item ▼ LOV Validation Required Maximum Decimals Parent Field TextArea Rows Related Block TextArea Columns ☐ Not Required In Xsd Related Field EVENT_CODE

Screens

FieldSets
FST_REASSIGN
Actions
CallForms
LaunchForms Default Value LOV Name Off Line LOV Name Mask Id Fieldset Name FST_REASSIGN Custom Attributes | Events | Related Field Summary Attribute Name Attribute Value

Figure 1-5 View Changes_Block Field Properties

Change Report

The **Change Report** allows us to view the changes in the provided base and source list of RADXMLs and helps to get the changes done in the two RADXMLs across releases and release types.

The **View Changes** Report allows the developer to see what exact change is done in the RADXML's as part of the various nodes in the Development Workbench across two different releases or release types.

The reports are generated based on two formats:

- Function Specific The Function Specific format compares RADXMLs based on the function name.
- Parent-Child The Parent-Child format compares RADXMLs based on the parent-child relation.

The below nodes are compared and a report is generated based on the differences found in the two RADXMLs given in the list.

- PREFERENCES
- MENU_DETAILS
- DATASOURCES
- COLUMNS
- LOVS
- LOV_DETAILS
- DATA BLOCKS
- BLOCK_FIELDS
- DATASOURCES_ATTACHED
- CUSTOM_ATTRIBUTES
- LOV_RETURN_FIELDS
- LOV_BIND_VARS FIELD_EVENTS
- LOV_OFF_LINE_BIND_VARS
- LOV_OFF_LINE_RETURN_FIELDS
- SCREENS SCREEN_ARGUMENTS
- TABS
- SECTIONS
- PARTITIONS
- FIELDSETS
- FIELDSET_FIELDS
- SUMMARY



- SUMMARY_DETAILS
- LAUNCHFORMS
- CALLFORMS
- ACTIONS
- WEB SERVICES

This topic contains the following sub-topic:

Process Steps - Change Report

This topic explains the systematic instructions to view the changes report using the source file list and base file list in an excel format.

• <u>Functionality Demonstration</u>

This topic explains the functionality of the view changes report.

2.1 Process Steps - Change Report

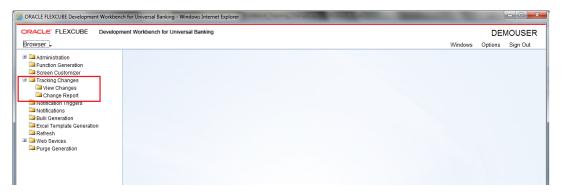
This topic explains the systematic instructions to view the changes report using the source file list and base file list in an excel format.

On the Development Workbench, specify the **User ID** and **Password** and login to the **Homescreen**.

1. On Homescreen, under the Browser node, click Tracking Changes.

The **Development Workbench of Universal Banking** screen displays.

Figure 2-1 Development Workbench of Universal Banking - Tracking Changes

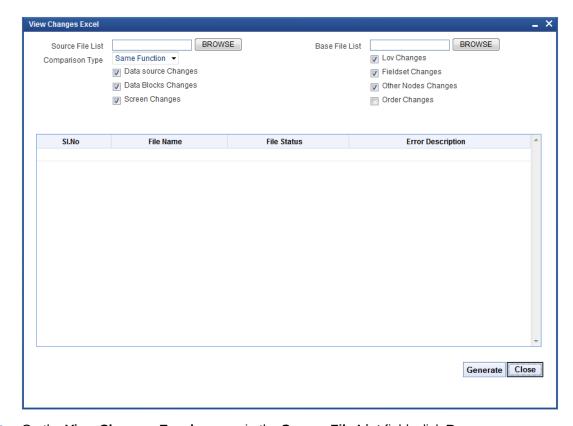


2. Under Tracking Changes, click on Change Report.

The View Changes Excel screen displays.



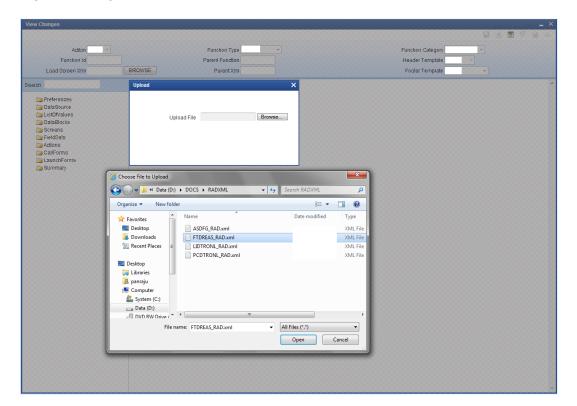
Figure 2-2 View Changes Excel



On the View Changes Excel screen, in the Source File List field, click Browse.
 The Upload screen displays.



Figure 2-3 Upload



On the Upload screen, click Browse.

The Choose File to Upload pop-up window displays.

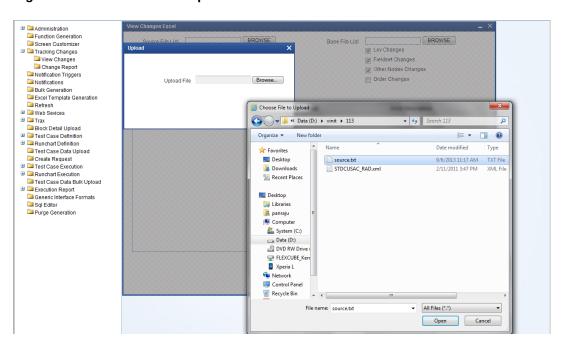


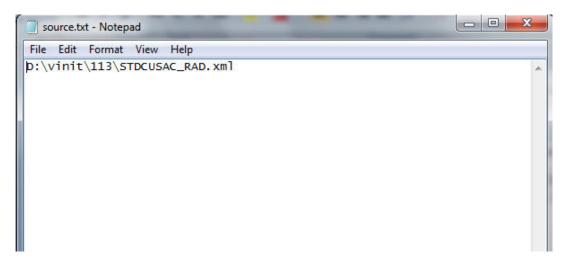
Figure 2-4 Choose File to Upload

On the Choose File to Upload pop-up window, select the source file (source.txt) and click Open.



The source file list is a text file that contains the absolute path of all the RADXMLs to be compared.

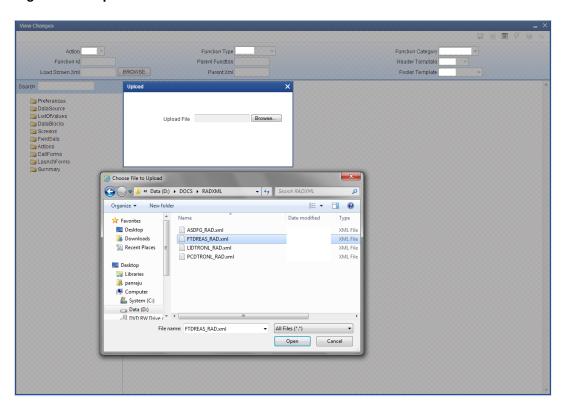
Figure 2-5 Content of source.txt file



In the above screen, here **STDCUSAC** is the source RADXML that has to be compared as an example. If a **View Changes** report of more than one Function ID is required, the absolute path of each RADXML has to be specified in a new line.

On the View Changes Excel screen, in the Base File List field, click Browse.
 The Upload screen displays.

Figure 2-6 Upload

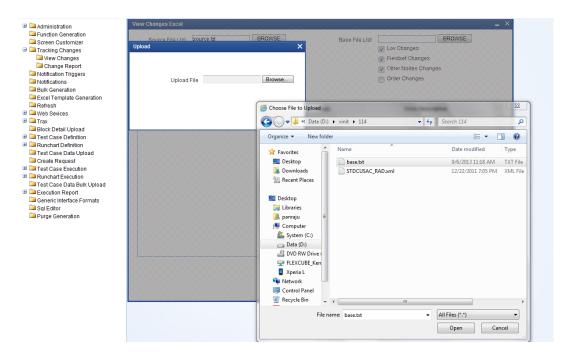




On the Upload screen, click Browse.

The Choose File to Upload pop-up window displays.

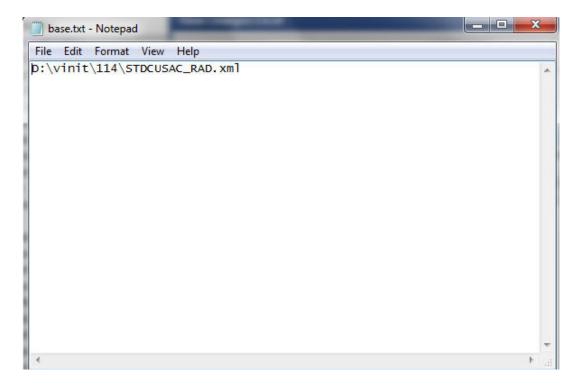
Figure 2-7 Choose File to Upload



8. On the **Choose File to Upload** pop-up window, select the base file (base.txt) and click **Open**.

The base file list is a text file that contains the absolute path of all the base RADXMLs to be compared.

Figure 2-8 Content of base.txt file





In the above screen, here **STDCUSAC** is the base RADXML that has to be compared as an example. If a **View Changes** report of more than one Function ID is required, the absolute path of each base RADXML has to be specified in a new line.

9. On the View Changes Excel screen, specify the fields.

Table 2-1 View Changes Excel - Field Description

Field	Description		
Comparison Type	Select the Comparison Type as Function Specific from the drop-down list.		
Changes	Check the following boxes to compare the below nodes. Data Source Changes Data Blocks Changes Screen Changes LOV Changes Fieldset Changes Other Nodes Changes		
File Location	Select the file location as a client if the path provided is in the client machine.		

10. On the View Changes Excel screen, click Generate.

① Note

The processing time varies depending on the number of files provided, the size of each file, etc.

After Completion of the process, the system displays the status. File status is generated successfully if the comparison is successful.

Figure 2-9 View Changes Excel_File Status

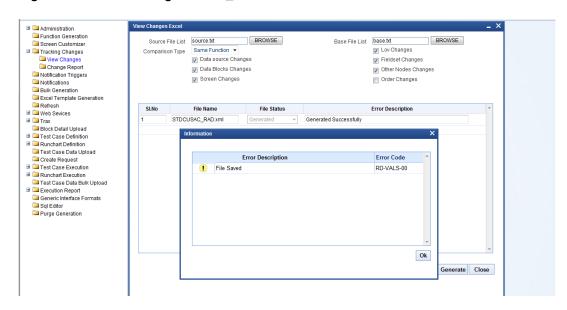




Table 2-2 Generated Files

Field	Description
Excel Report of Changes	A war file named RAD is created and shown after a successful process of comparing, which will contain Excel files for the particular source RADXMLs. For example, PANDETIP_FRONTEND_LOG.txt
Log Files	 View Comparison Log - This contains the status of all the files compared. View Comparison Report - This file is used for troubleshooting.

All the nodes will be compared and will be painted in the excel sheet based upon the values of the base and source list of RADXML's, the values will be having three statuses (NEW, MODIFIED, DELETED).

Based on this status old and new values will be shown in the view changes report.

2.2 Functionality Demonstration

This topic explains the functionality of the view changes report.

On the STDCUSAC.xls file, click the **Copyright Clause** tab to view the copyright details.

Figure 2-10 Copyright Clause

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The comparison of STDCUSAC (FCUBS_11.2.0) and STDCUSAC (FCUBS_11.4.0) is displayed in the Header tab.



Figure 2-11 Header

	SOURCE	BASE
	JOUNCE	DASE
FUNCTION_ID	STDCUSAC	STDCUSAC
RELEASE_CODE	FCUBSV.UM 11.2.0.0.0.0.0	FCUBS_11.4.0
RELEASE_TYPE	KERNEL	KERNEL
FUNCTION_TYPE	Р	P
FUNCTION_CATEGORY	MAINTENANCE	MAINTENANCE

On the **PREFERENCES** tab, the change report compares two RADXML's and forms one Dom with the nodes and displays the difference between two RADXML's with old and new values.

Figure 2-12 Preferences

STATUS	PREFERENCES	PROPERTIES	OLD VALUE	NEW VALUE
MODIFIED	MENU			
		TXN BLOCK NAME	BLK_CUST_ACCOUNT	
		TXN FIELD NAME	BRN	
		MULTI BRANCH ACCESS	Υ	

STATUS	MENU DETAILS	PROPERTIES	OLD VALUE	NEW VALUE
MODIFIED	STDCUSAC			
		T		
		LBL FUNCTION DESC		LBL_STDCUSAC_FNDESC
				Customer Accounts
		FUNCTION DESC		Maintenance
		LBL FUNC MODULE		LBL_STDCUSAC_MODULE
		DESC		_
MODIFIED	STSCUSAC			
		LBL FUNCTION DESC		LBL_STSCUSAC_FNDESC
				Customer Accounts
		FUNCTION DESC		Summary
		LBL FUNC MODULE		LBL_STSCUSAC_MODULE
		DESC		



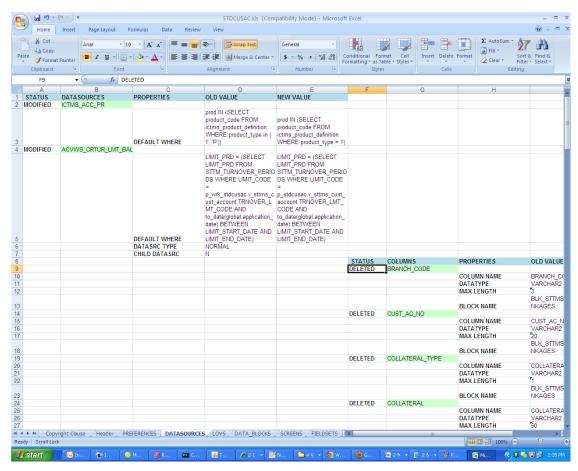
The change report compares the two function id's and paints the excel sheet for the preferences node of the compared RADXML. Here in preferences, the status node is displayed as Modified and the modified node is Preferences. The property of the modified preferences node is TXN BLOCK NAME. The Old value is BLK_CUST_ACCOUNT and new value is null for the STDCUSAC (FCUBS_11.2.0) and STDCUSAC (FCUBS_11.4.0) has block cust account as TXN BLOCK.

Preferences will show the difference in both versions of the releases. The nodes representing here are:

- PREFERENCES
- MENU_DETAILS

On the **DATASOURCES** tab, change report compares the two function ids and paints the excel sheet for the Data Sources node of the compared RADXML. Data Sources will show the difference in both versions of the releases.

Figure 2-13 DATASOURCES



The nodes representing on the DATASOURCES tab are:

- DATASOURCES
- COLUMNS

Order Changes

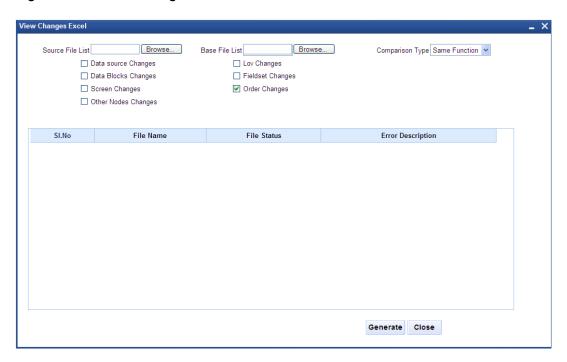
This topic explains the systematic instructions for the Order Changes in the View Changes Excel screen.

2.2.1 Order Changes

This topic explains the systematic instructions for the Order Changes in the View Changes Excel screen.

On the Development Workbench, under Tracking Changes, click on Change Report. The View Changes Excel screen displays.

Figure 2-14 View Changes Excel



On the View Changes Excel screen, input the Source File List, Base File List and check the **Order Changes** checkbox.

On click of this order changes, the nodes are compared for the order maintained in the radxml of respective releases. The order changes will affect the following nodes:

- FIELD_ORDER
- FIELDSET_ORDER
- TAB_ORDER
- SEC_ORDER
- DATA_BLK_ORDER
- **BLK_FIELD_ORDER**
- Click the **Generate** button.

All the orders are compared between sources and base RADXML's and View Changes Excel report is generated.

On the Order Changes excel, the compared RADXML's changes are displayed.



5. Click on Fieldsets tab.

The Order Changes for fieldsets is displayed.

Figure 2-15 Order Changes_Fieldsets

STATUS	FIELDSETS	PROPERTIES	OLD VALUE	NEW VALUE
MODIFIE	FST_REVOLVING_LOAN	1		
	1 474	FIELDSET_SECTION	SEC_PREF1	SEC_PREF4
		FIELDSET_PARTITIO		SEC PREF4 PART
		FIELDSET_VISIBLE	Y	N
		FIELDSET_ORDER	59	0
MODIFIE	FST_PRD		2 0	
	10727			
			1	
MODIFIE	FST_RML			
MODIFIE	F31_RIVIL			

FIELDSET_FIELDS	PROPERTIES	OLD VALUE	NEW VALUE
LEASE_TYPE			
	ACTIVE	Y	N
	FIELD_ORDER	8	0
FIELDSET_FIELDS	PROPERTIES	OLD VALUE	NEW VALUE
ROLLALWD			
	FIELD_NAME		ROLLALWD
	ACTIVE		Υ
	FIELD_ORDER		2
PRDTYPE			
	FIELD_NAME		PRDTYPE
	ACTIVE		Υ
	FIELD_ORDER		3
	FIELDSET_FIELDS ROLLALWD	ACTIVE FIELD_ORDER FIELDSET_FIELDS PROPERTIES ROLLALWD FIELD_NAME ACTIVE FIELD_ORDER PRDTYPE FIELD_NAME ACTIVE	ACTIVE Y FIELD_ORDER 8 FIELDSET_FIELDS PROPERTIES OLD VALUE ROLLALWD FIELD_NAME ACTIVE FIELD_ORDER PRDTYPE FIELD_NAME ACTIVE