Operating Lease Support System Phase-2 Project for

Functional Specification
FC.AE.1.2
Monitor Billing Schedule

Revision 2.0

PT. Berlian Sistem Informasi

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Project Code :	TM15404A
Project Name :	Operating Lease Support System Phase-2

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Revision History

Date	Revision	Description	Author
16/11/2015	0.0	Initialization	Amal Hamzah
16/12/2015	0.1	Changes: - Revise Directory Address (page 2) - Table of Contents (page 5) - Changing data type and size according FS common (page 30 – 32) - Adding table TB_BIL_MaintenanceDetail on Data Structure (page 33) - Adding table TB_BIL_InvoiceReceipt on Data Structure (page 34) - Complete Screen Item List of RPT.AE.1.1 Billing History Report (page 35) - Adding RPT.AE.1.2 Reminder Memo History Report on Screen Item List (page 36)	Amal Hamzah
29/12/2015	0.2	Changes: - Screen of configuration access (page 8) - Adding field: Promise to Pay Date, Previous, Current and deleting Created By and Created Date (page 19, 21, 23, 27)	Amal Hamzah
11/01/2016	0.3	Changes: - Changing Mr. Jin Nishimura to Mr. Yutaro Sanada as DSF Project Director on Distribution List (page 2) and Document Approval (page 3) - Adding pop up confirmation for pop up screen Promise to Pay Date (page 25) - Adding Description in Print Billing (Schedule/Overdue) History (page 29) - Adding pop up confirmation for pop up screen Reminder Memo (page 30) - Adding Application Server Machine for the time of report when button Print Report clicked (page 31)	Amal Hamzah

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12/01/2016	1.0	1st Baseline	Grand Zah Putra
10/06/2016	1.1	Adding changes at development	Amal Hamzah
15/06/2016	2.0	2nd Baseline	Grand Zah Putra

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Distribution List

Name	Organization	Roles
Mr. Yutaro Sanada	Dipo Star Finance, PT	DSF Project Director
Mr. Manabu Kishimoto	Dipo Star Finance, PT	DSF Project Director
Mr. Shinya Tsukamoto	Dipo Star Finance, PT	DSF IT Advisor
Mr. Ahmad Fikri	Dipo Star Finance, PT	DSF IT Advisor
Mr. Abdul Somad	Dipo Star Finance, PT	DSF Biz. Operation Leader
Mr. Roby Wijaya	Dipo Star Finance, PT	DSF PMO
Mr. Mukhlis Ibrahim	Dipo Star Finance, PT	DSF IT Operation Leader
Mr. Delta Riangga	Dipo Star Finance, PT	DSF Key User
Mr. Mochamad Idris	Dipo Star Finance, PT	DSF Key User
Mr. Jufi Iqbal	Dipo Star Finance, PT	DSF Key User
Mr. Reza Renika	Dipo Star Finance, PT	DSF Key User
Mrs. Herni Hembang	Dipo Star Finance, PT	DSF Key User
Mrs. Olivia Setiawan	Dipo Star Finance, PT	DSF Key User
Mr. Junaidi Didy	Dipo Star Finance, PT	DSF Key User
Mr. Dedi Supriyadi	Dipo Star Finance,PT	DSF Key User
Mrs. Elke Hilviana	Dipo Star Finance,PT	DSF Key User
Mr. Daiki Kamada	Berlian Sistem Informasi, PT	BSI Project Director
Mr. Yoshinori Kawahara	Berlian Sistem Informasi, PT	BSI IT Advisor
Mr. Satoshi Koibuchi	Berlian Sistem Informasi, PT	BSI IT Advisor
Mr. Grand Zah Putra	Berlian Sistem Informasi, PT	BSI Project Manager
Mr. Raymond	Berlian Sistem Informasi, PT	BSI Technical Leader
Mr. Amal Hamzah	Berlian Sistem Informasi, PT	BSI Business Analyst

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Document Approval

By signing this document I acknowledge I have read the document and give the Project Management Team approval to proceed.

Role	Name	Signature	Date
DSF Project Director	Mr. Yutaro Sanada		
DSF IT Advisor	Mr. Shinya Tsukamoto		
DSF IT Advisor	Mr. Ahmad Fikri		
DSF Project Manager	Mr. Abdul Somad		
DSF PMO	Mr. Roby Wijaya		
BSI Project Director	Mr. Daiki Kamada		
BSI Project Manager	Mr. Grand Zah Putra		
BSI Technical Leader	Mr. Raymond		
BSI Business Analyst	Mr. Amal Hamzah		

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TABLE OF CONTENTS

Functional Specification

1 Introduction

1.1 Purpose

Functional Specification is a document to describe the detail of functions system which includes screen design and logic formula. This document will be used for system development.

1.2 Scope

Functional Specification Document contains screen design, screen functionality, process flow, and data structure of AE.1.2 Monitor Billing Schedule.

Here are the scopes for AE.1.2 Monitor Billing Schedule:

1. AE.1.2.2 Monitor Billing

To monitor billing payment schedule before due date and monitor billing overdue.

2. AE.1.2.3 Create Reminder Memo

To monitor billing payment schedule before due date and monitor billing overdue, including automatically send reminder by email.

3. AE.1.2.4 Send and Receive Reminder by Email

To send reminder of billing to customer by email when monitor agreement with 5 days and 1 day before due date.

Output from this functions is:

1. RPT.AE.1.01 Billing History report

2. RPT.AE.1.02 Reminder Memo History report

1.3 Definition, Acronyms, and Abbreviations

1. OPL = Operating Lease

2. Due Date = End Usage Unit Date + TOP

3. TOP = Term Of Payment

4. RAL = Return Authorization Letter (Surat Kuasa Penarikan Unit)

5. BAST = Berita Acara Serah Terima (Handover Report)

6. DSF = Dipo Star Finance

7. HO = Head Office

8. HOB = Head of Branch

9. HOD = Head of Department

10. PIC = Person in Charge

11. Receipt = Kwitansi

12. Notification Letter (Surat Pemberitahuan)

13. Warning Letter (Surat Peringatan)

1.4   References

This functional specification document refers to **"To Be Design" BSI Billing Collection Process**, module:

1. AE.1.1 Monitor Billing Schedule

2   Configuration

N/A

3   Specification Detail: FC.AE.1.2 Monitor Billing Schedule

3.1   Purpose

Screen of Monitor Billing schedule will be used by PIC Collection to monitor payment billing on monthly base. This screen functions consist display list agreement with 7 days before end usage unit, 5 days before due date, 1 day before due date, agreement on due date and agreement on end contract. On this document also will describe screen functions for billing overdue which consist of display list of agreement billing overdue 1-30 days, 31-60 days, 61-90 days and >90 days. Monitoring will be based on end of period usage unit date (monthly basis) and due date (end of period usage unit date + Term of Payment).

This function covered by **"Monitor Billing Schedule"** screen

3.2   Screen of Configuration Access

Here are the accesses right for **"Monitor Billing Schedule"** screen users:

User	Create	Read	Update	Print	Authorization
PIC Collection	v	v	v	V	v
Admin	v	v	v	V	v
Head of Branch	-	v	-	-	v
Head of Department	-	v	-	-	v
Regional Manager	-	v	-	-	v
Advisor	-	v	-	-	v
Director	-	v	-	-	v
President Director	-	v	-	-	v
Shareholder's Meeting	-	v	-	-	v

Legend: v = Have the access

Note:
1. Create: related to creation of billing schedule
2. Read: related to read display data billing schedule
3. Update: related to update data billing schedule
4. Print: related to print data billing schedule
5. Authorization: related to access to screen of data billing schedule

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3.3 Screen Functionality

1. Display monitor billing schedule for 7 days, 5 days, 1 day, due date and end contract
2. Display monitor billing overdue 1-30 days, 31-60 days, 61-90 days and >90 days
3. Send reminder billing to customer
4. Create history of reminder memo to customer
5. Print historical report billing schedule and billing overdue

3.4 Operation Flow

Below is data flow for Monitor Billing Schedule process referring to **To Be Design Document Billing Collection**, AE.1.2. Monitor Billing Schedule:
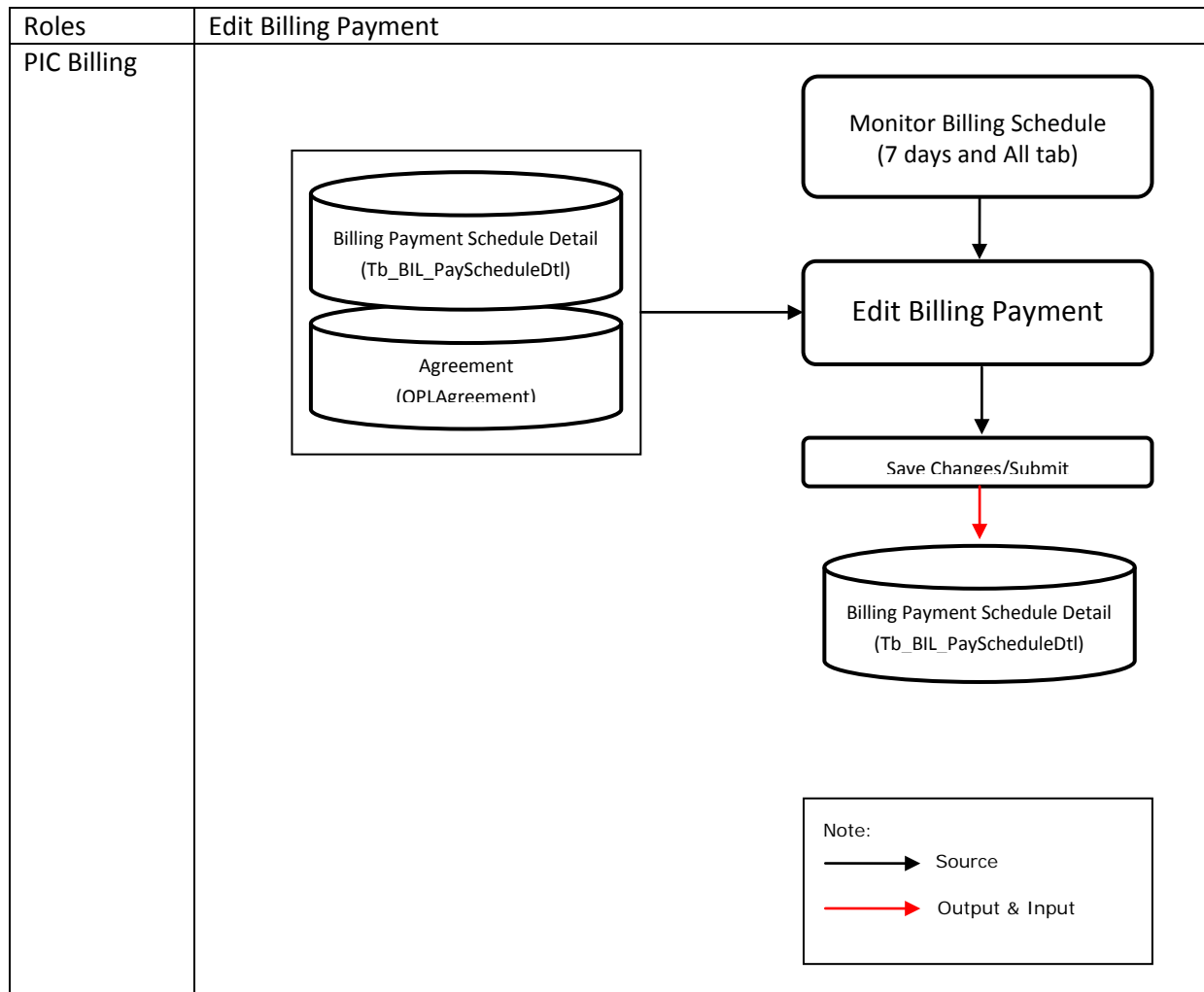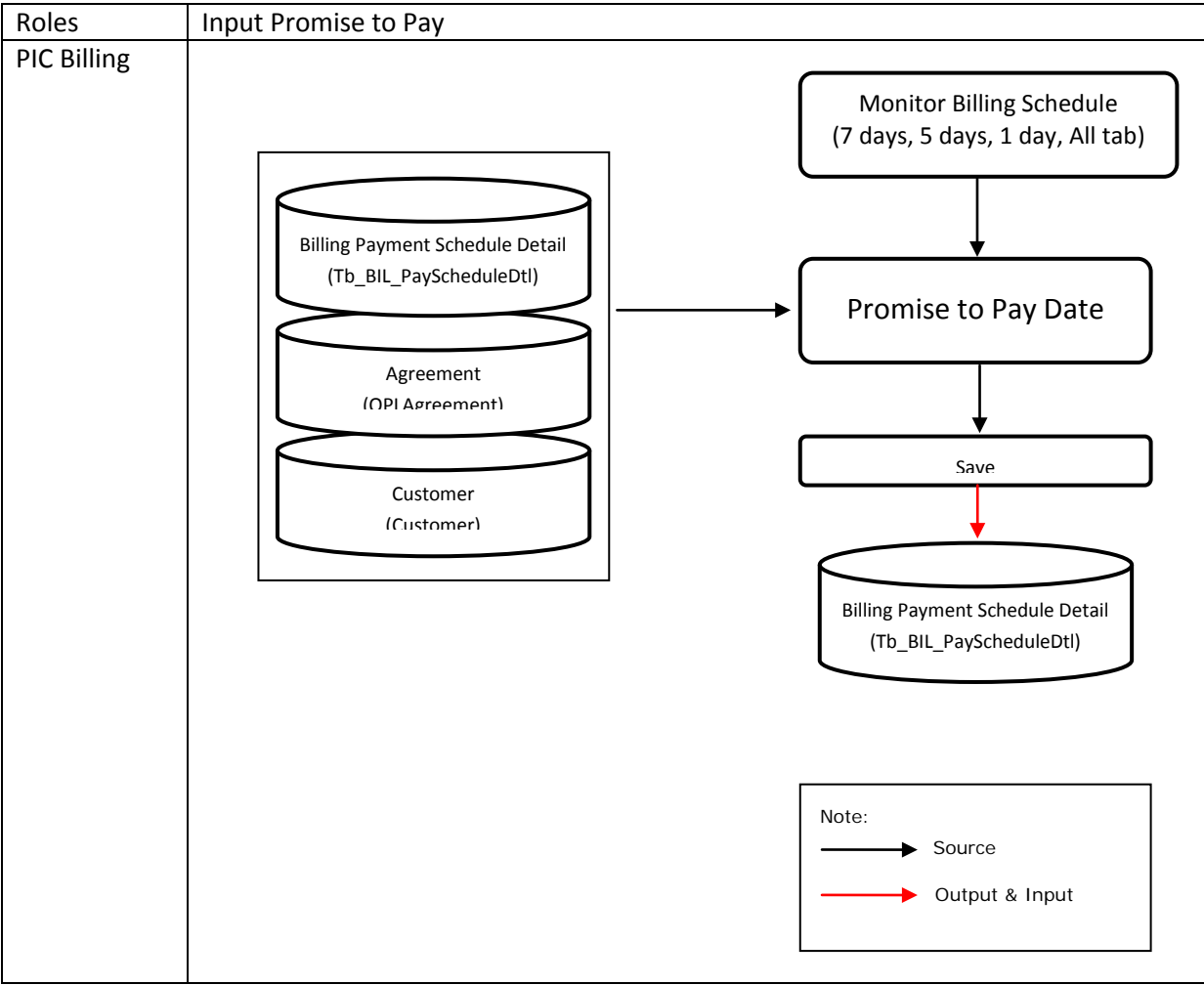
Roles	Show List of Billing Schedule
PIC Billing	
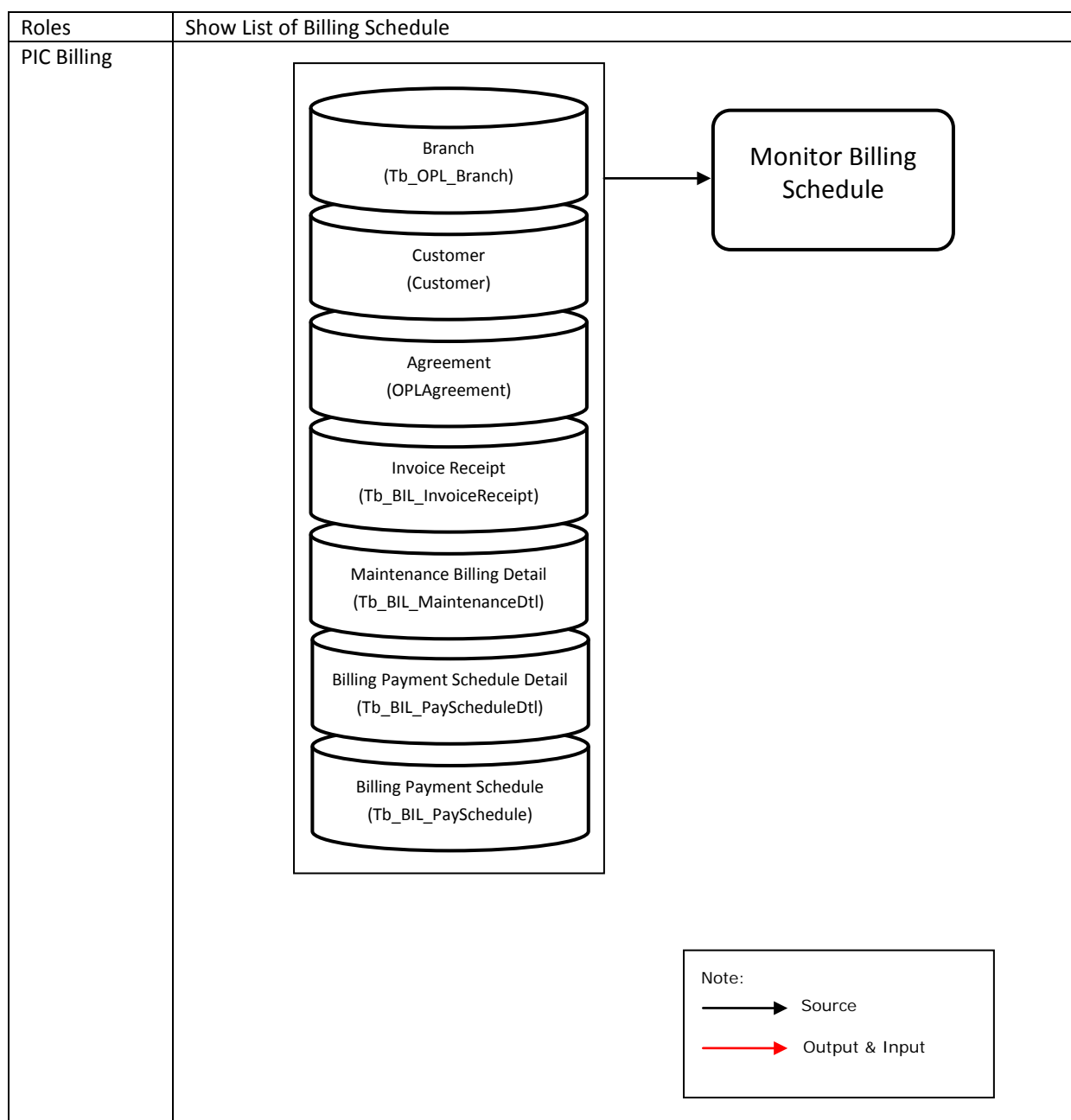
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Below is data flow for Monitor Billing Overdue process referring to **To Be Design Document Billing Collection**, AE.1.2. Monitor Billing Schedule:
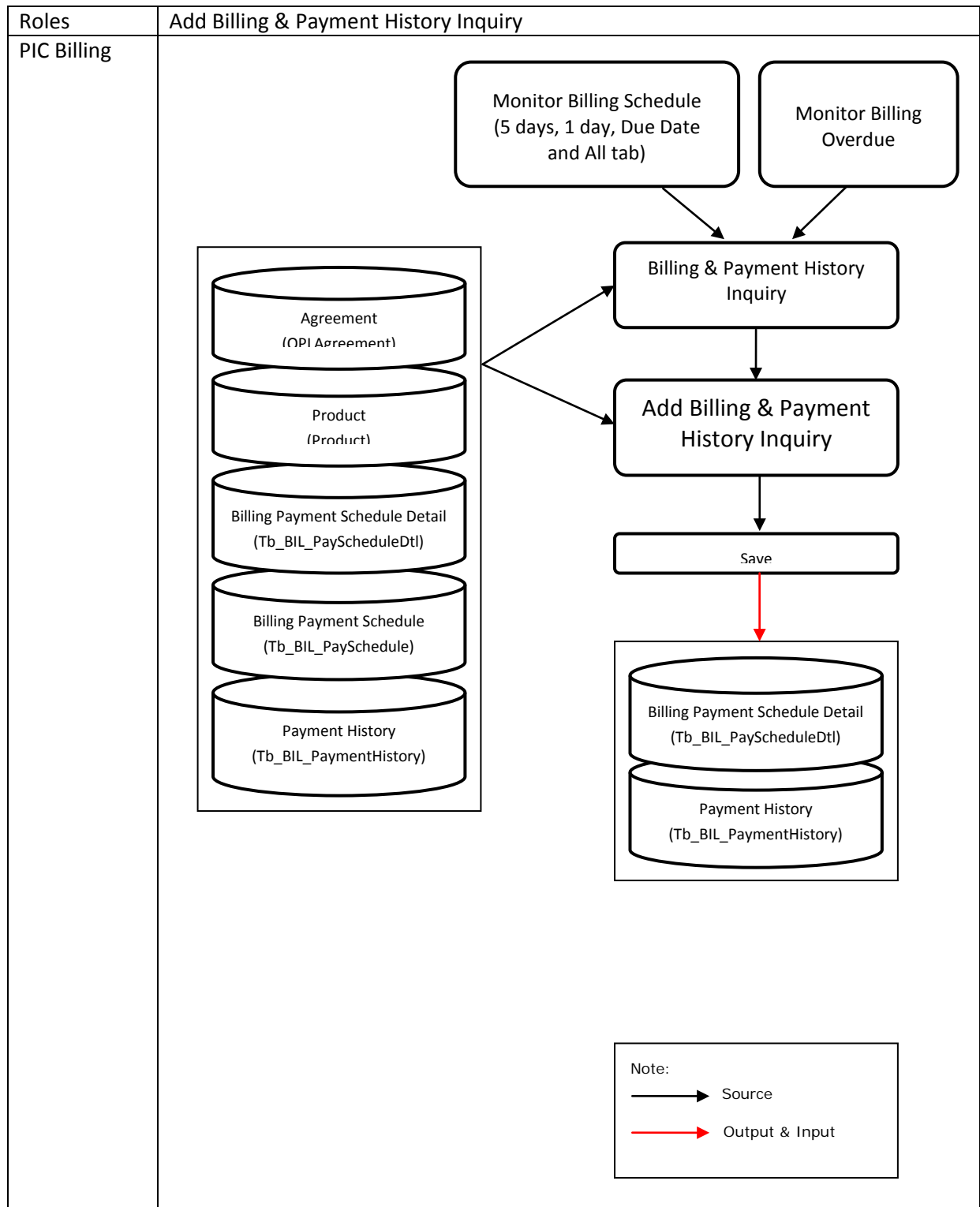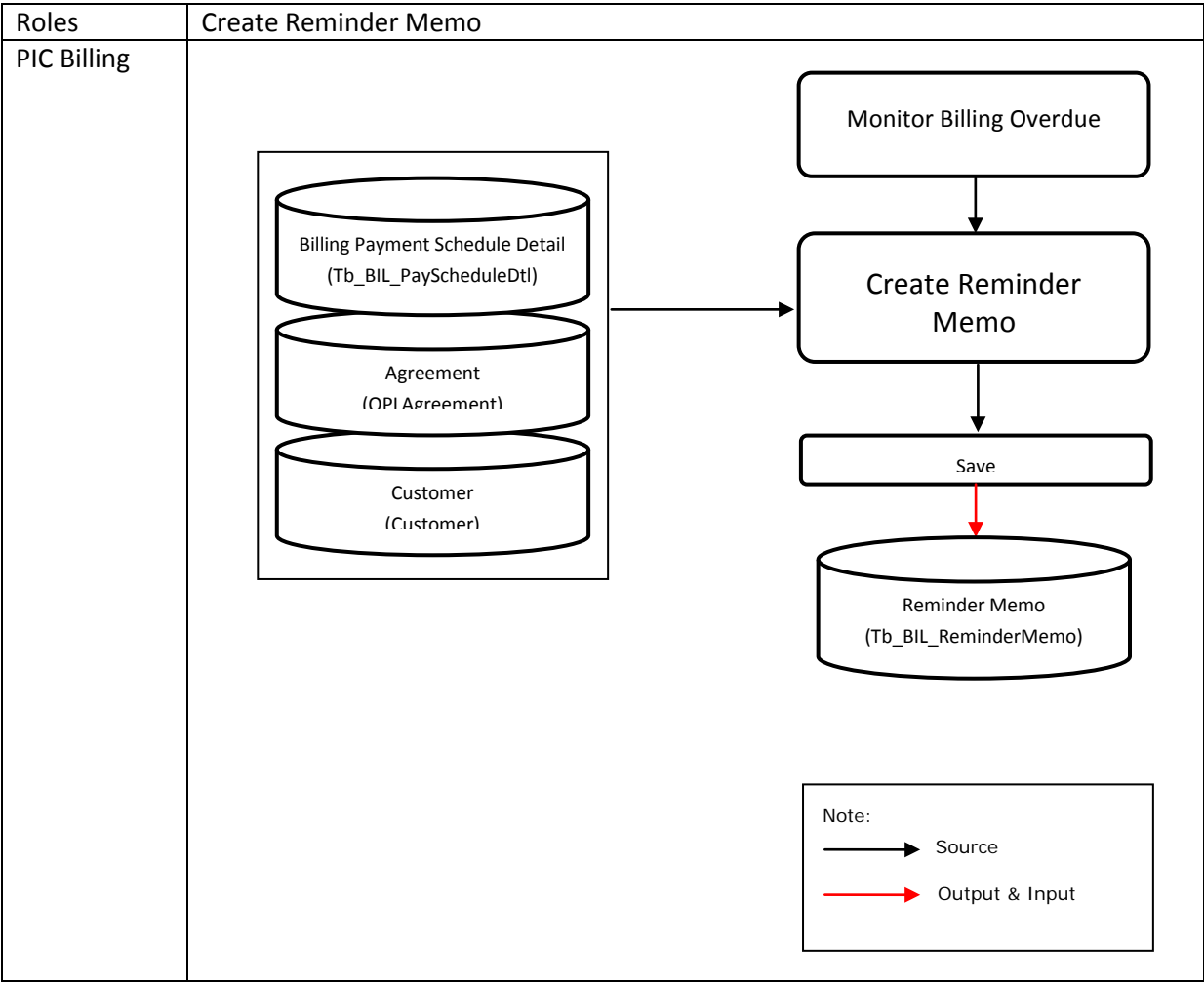
Roles	Show List of Billing Overdue
PIC Billing	
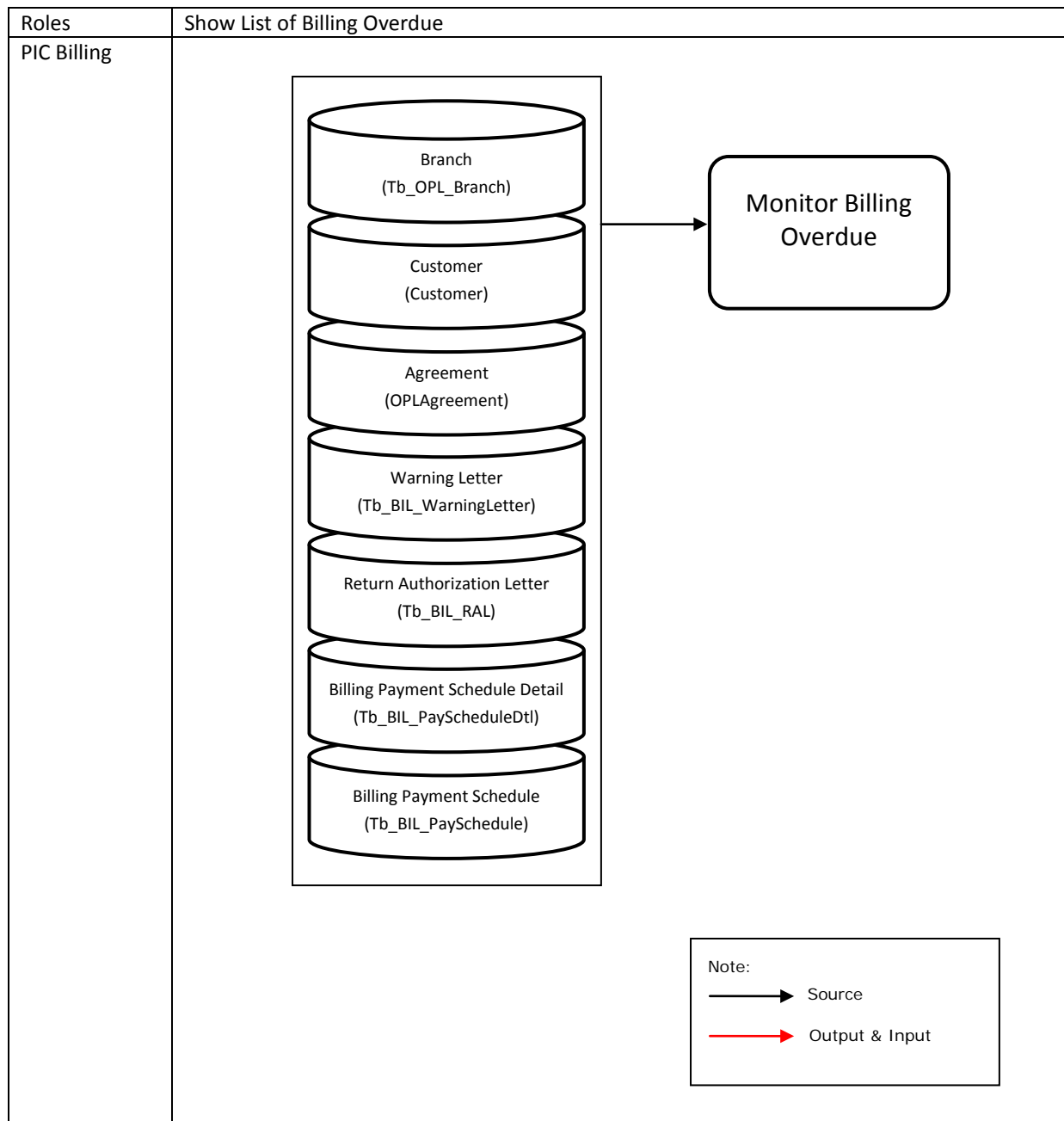
Below is data flow for View Maintenance Billing Detail process referring to **To Be Design Document Billing Collection**, AE.1.2. Monitor Billing Schedule:

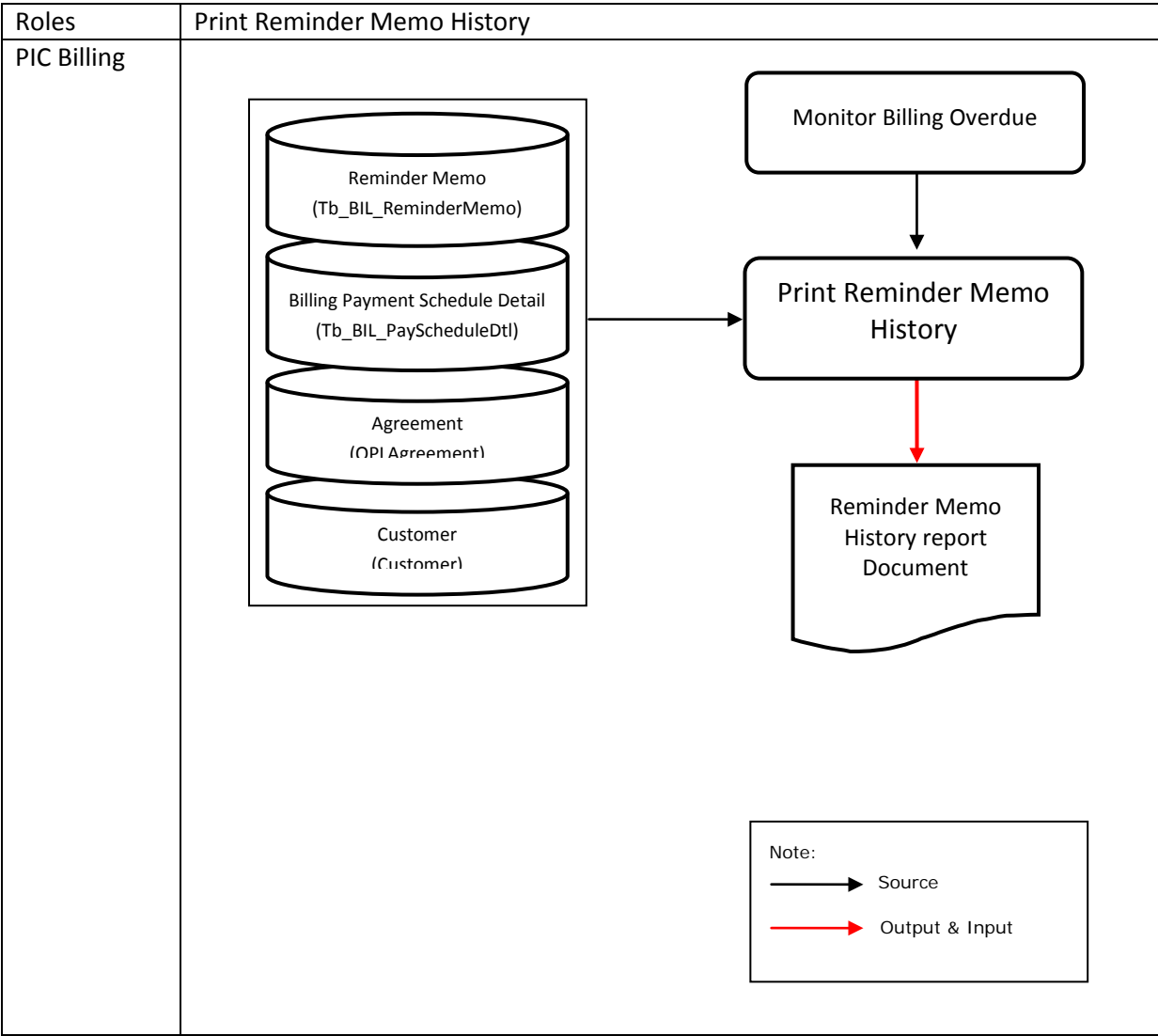| Project Code :	TM15404A
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Roles	View Maintenance Billing Detail
PIC Billing	
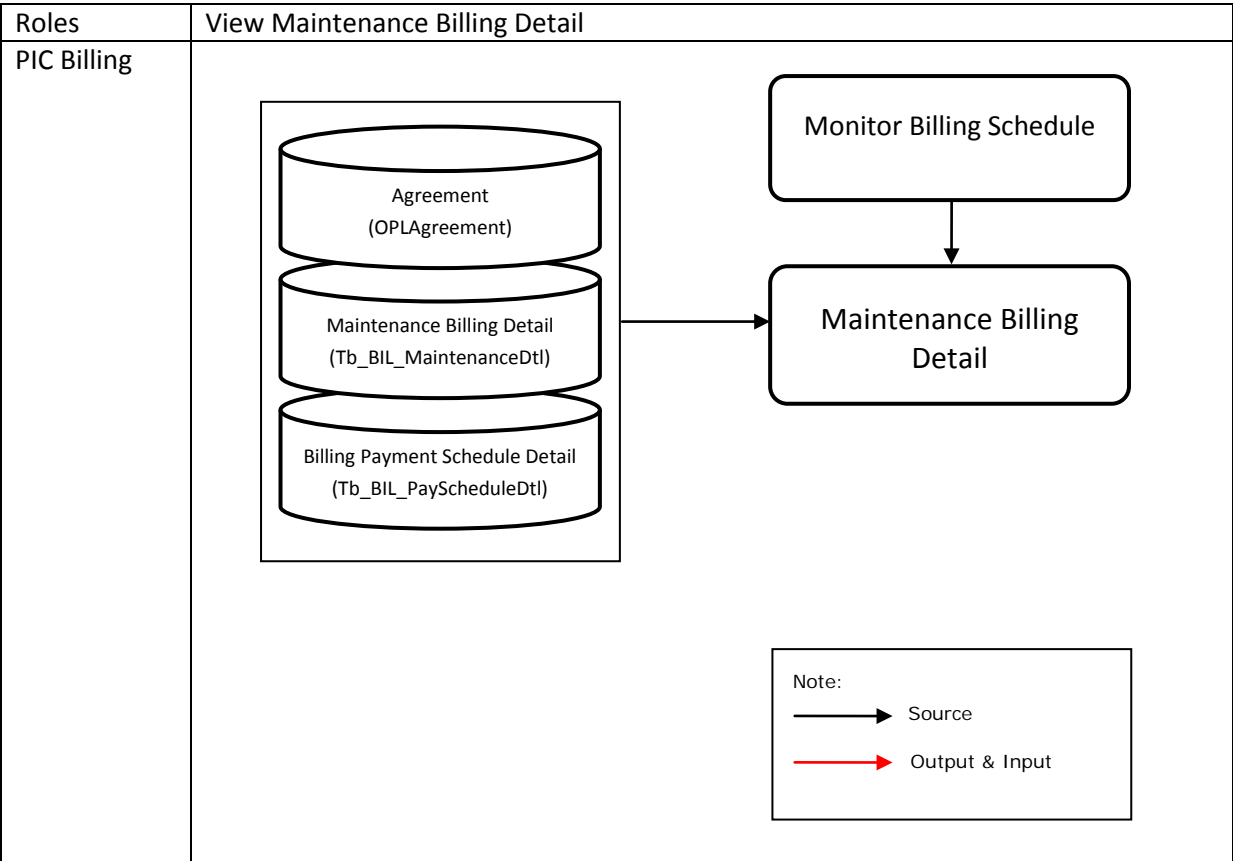
Project Code :	TM15404A
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Below is data flow for Stop Billing process referring to **To Be Design Document Billing Collection**, AE.1.2. Monitor Billing Schedule:

Roles	Stop Billing
PIC Billing	
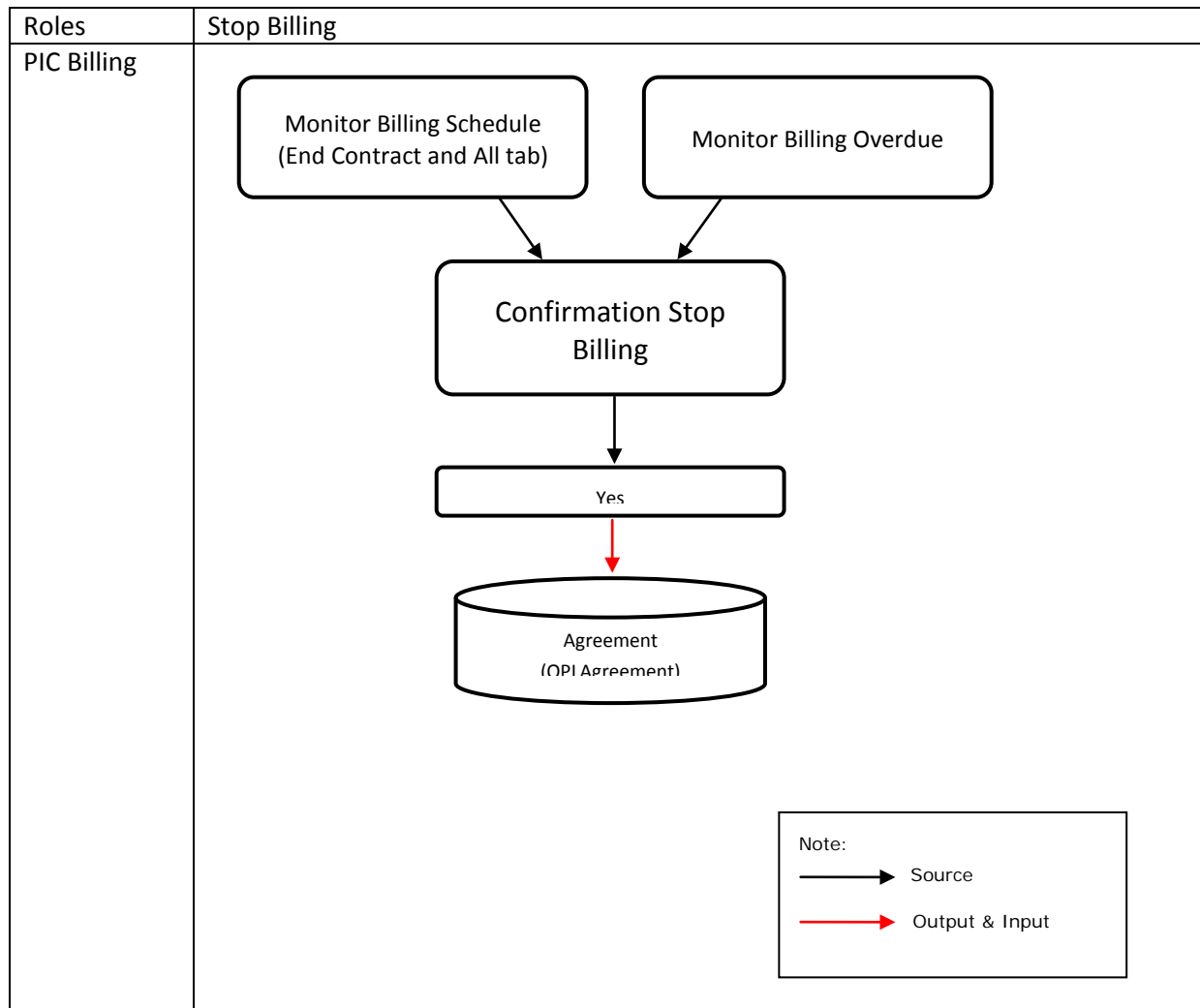
Project Code :	TM15404A
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Below is data flow for Create Invoice process referring to **To Be Design Document Billing Collection**, AE.1.2. Monitor Billing Schedule:

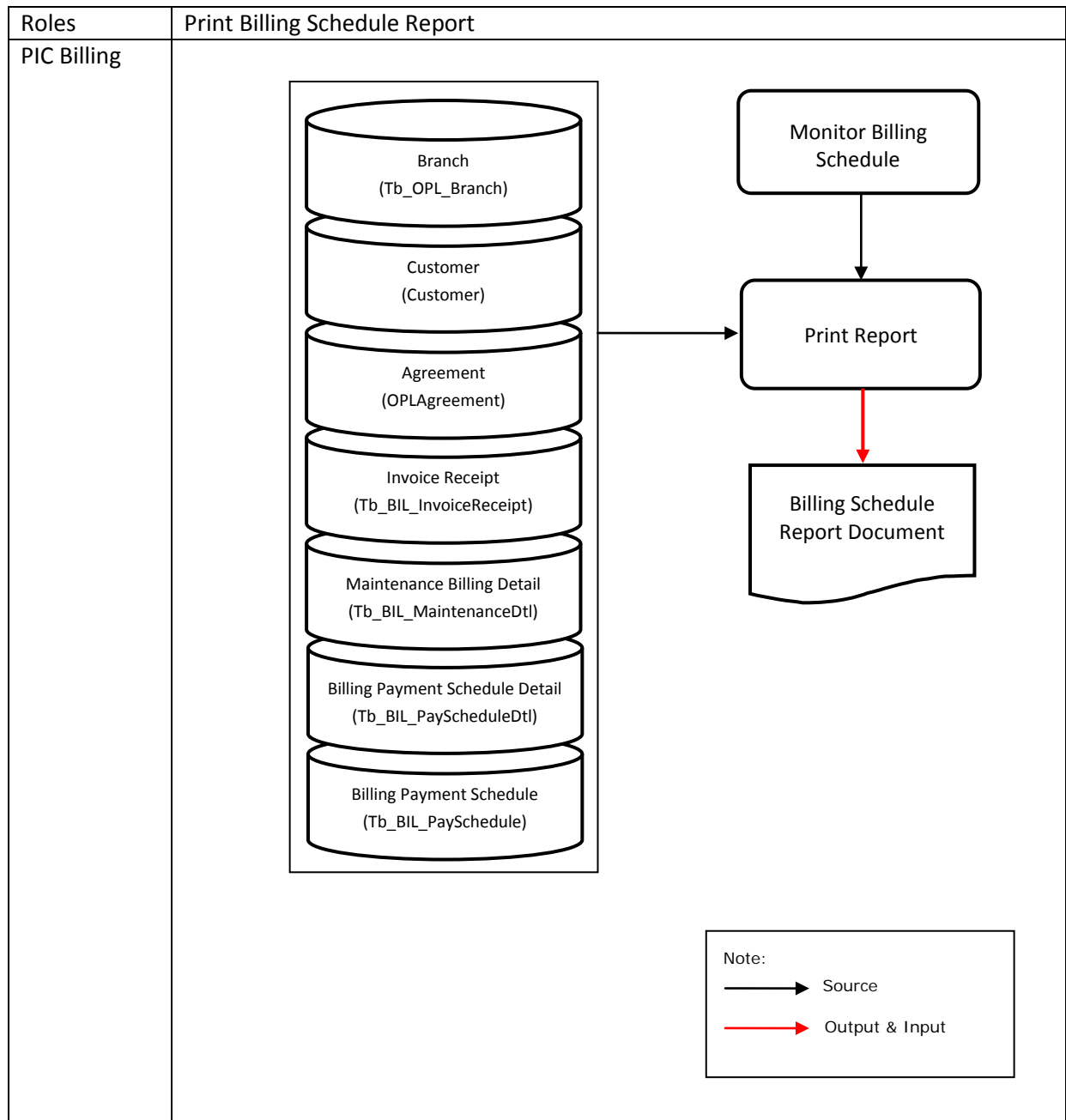| Roles	Create Invoice
PIC Billing	

Monitor Billing Schedule (7 days tab)

Billing Payment Schedule Detail (Tb_BIL_PayScheduleDtl)

Agreement (OPLAgreement)

Create Invoice

Save and Print

Confirmation

OK

Invoice Document

Billing Payment Schedule Detail (Tb_BIL_PayScheduleDtl)

Invoice Receipt (Tb_BIL_InvoiceReceipt)

Invoice Receipt (Tb_BIL_InvoiceReceipt)

Note:
→ Source
→ Output & Input
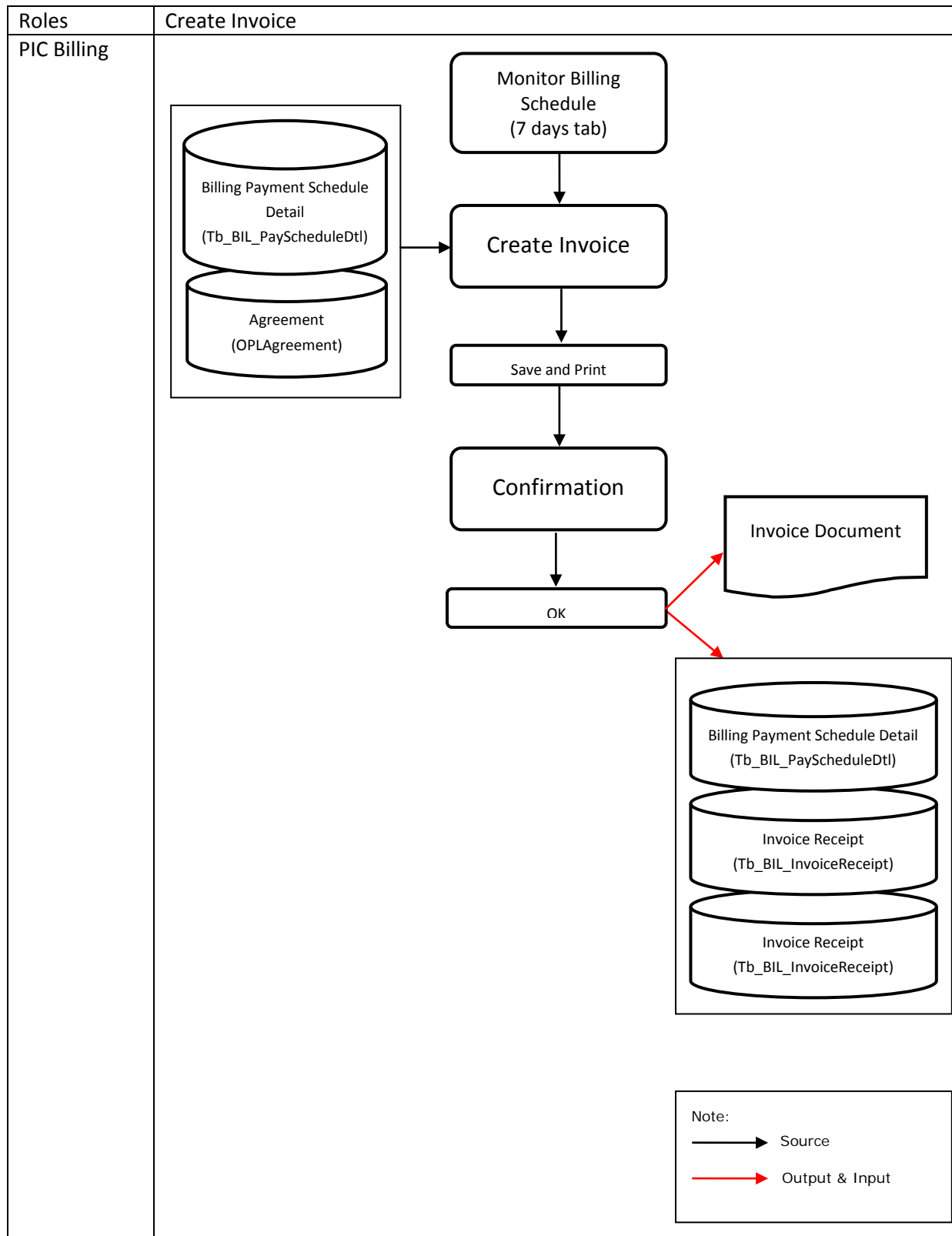
Project Code :	TM15404A
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Below is data flow for Input Invoice Delivery Information process referring to **To Be Design Document Billing Collection**, AE.1.2. Monitor Billing Schedule:

Roles	Input Invoice Delivery Information
PIC Billing	
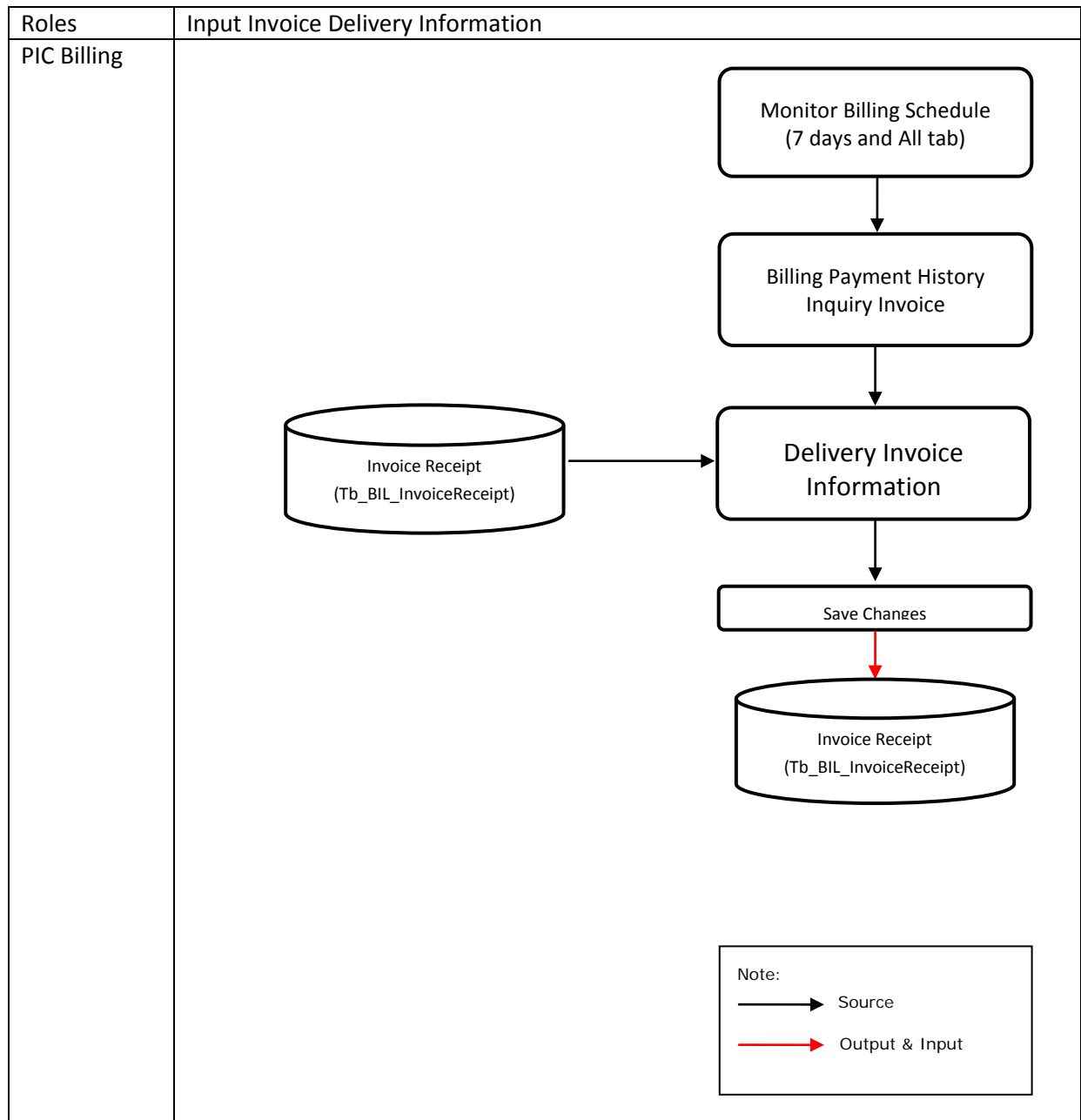
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Below is data flow for Invoice Approval process referring to **To Be Design Document Billing Collection**, AE.1.2. Monitor Billing Schedule:

Roles	Invoice Approval (Check/Revise/Approve/Reject)
PIC Billing	

Monitor Billing Schedule
(7 days and All tab)

Billing Payment History
Inquiry Invoice

Invoice Receipt
(Tb_BIL_InvoiceReceipt)

Billing Payment Schedule Detail
(Tb_BIL_PayScheduleDtl)

Maintenance Billing Detail
(Tb_BIL_MaintenanceDtl)

Agreement
(OPLAgreement)

Detail Invoice Status

Check/Revise/Approve/Reject

Invoice Receipt
(Tb_BIL_InvoiceReceipt)

Note:
→ Source
→ Output & Input
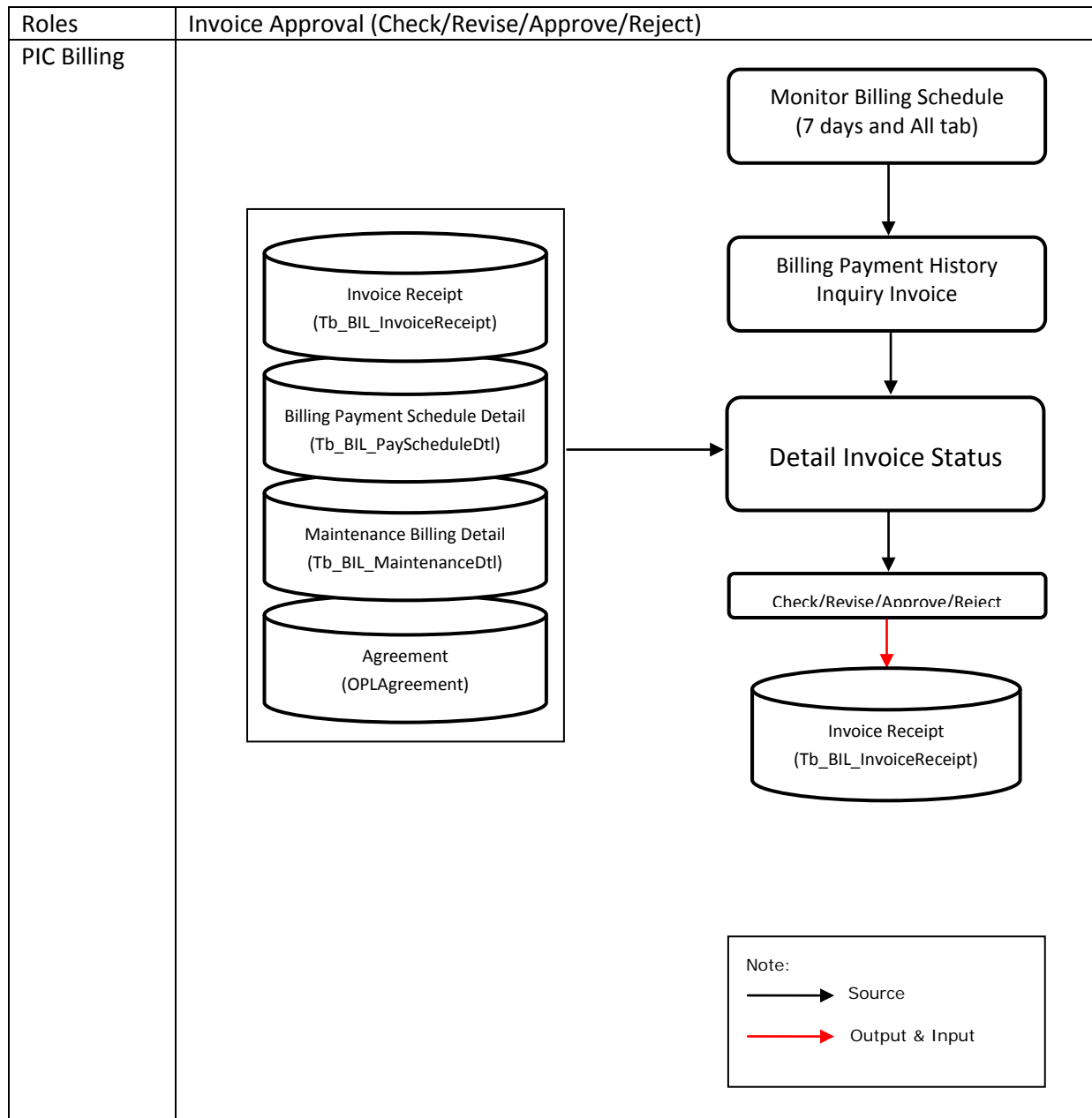
Project Code :	TM15404A
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Below is data flow for Print Invoice Document process referring to **To Be Design Document Billing Collection**, AE.1.2. Monitor Billing Schedule:

Roles	Print Invoice Document
PIC Billing	

Monitor Billing Schedule
(7 days and All tab)

Billing Payment History
Inquiry Invoice

Print Invoice

Invoice Document

Invoice Receipt
(Tb_BIL_InvoiceReceipt)

Billing Payment Schedule Detail
(Tb_BIL_PayScheduleDtl)

Agreement
(OPLAgreement)

Customer
(Customer)

Employee
(Tb_OPL_Employee)

Note:

Source

Output & Input
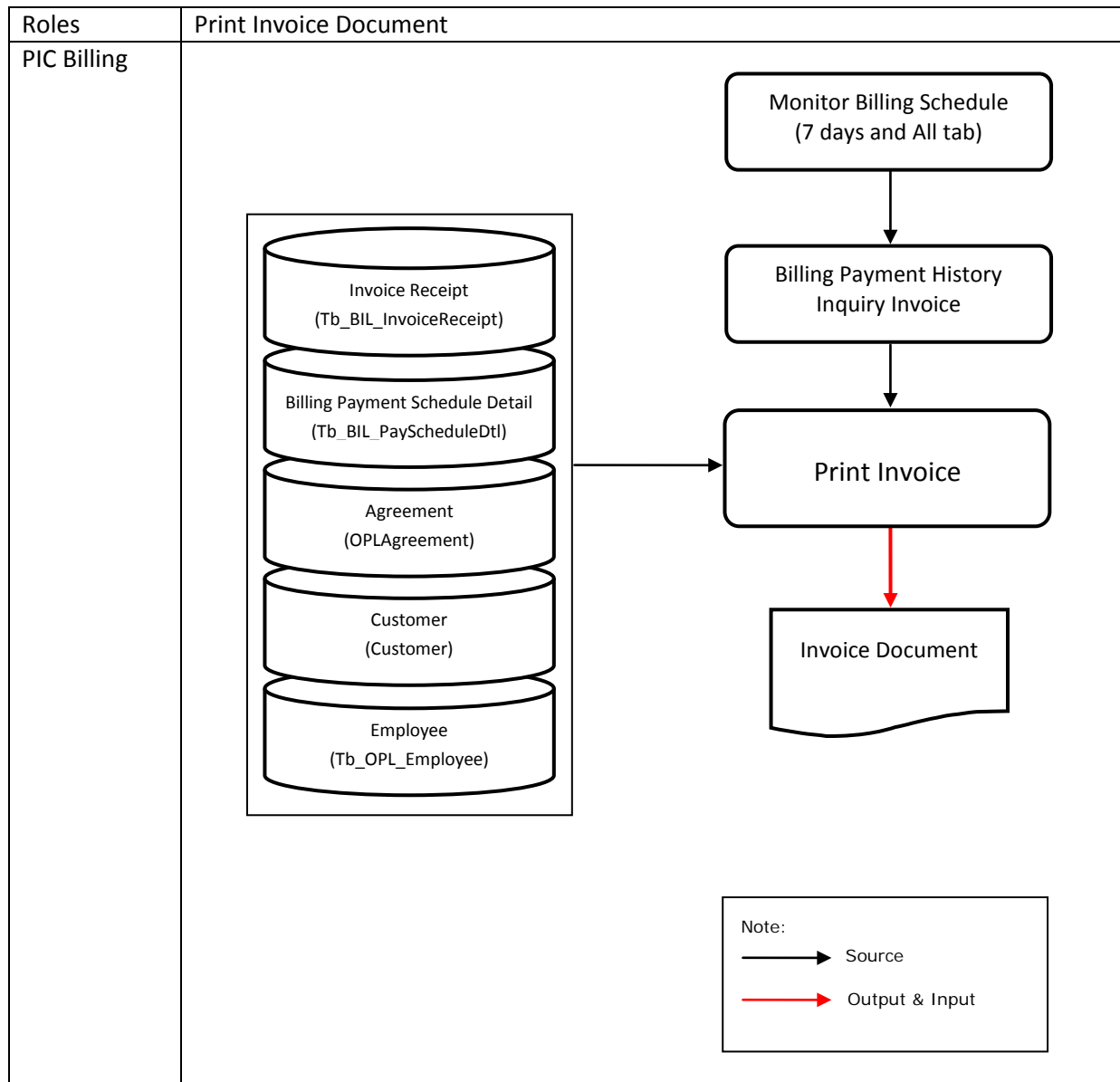
Project Code :	TM15404A
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Below is data flow for Print Invoice Report process referring to **To Be Design Document Billing Collection**, AE.1.2. Monitor Billing Schedule:

Roles	Print Invoice Report
PIC Billing	
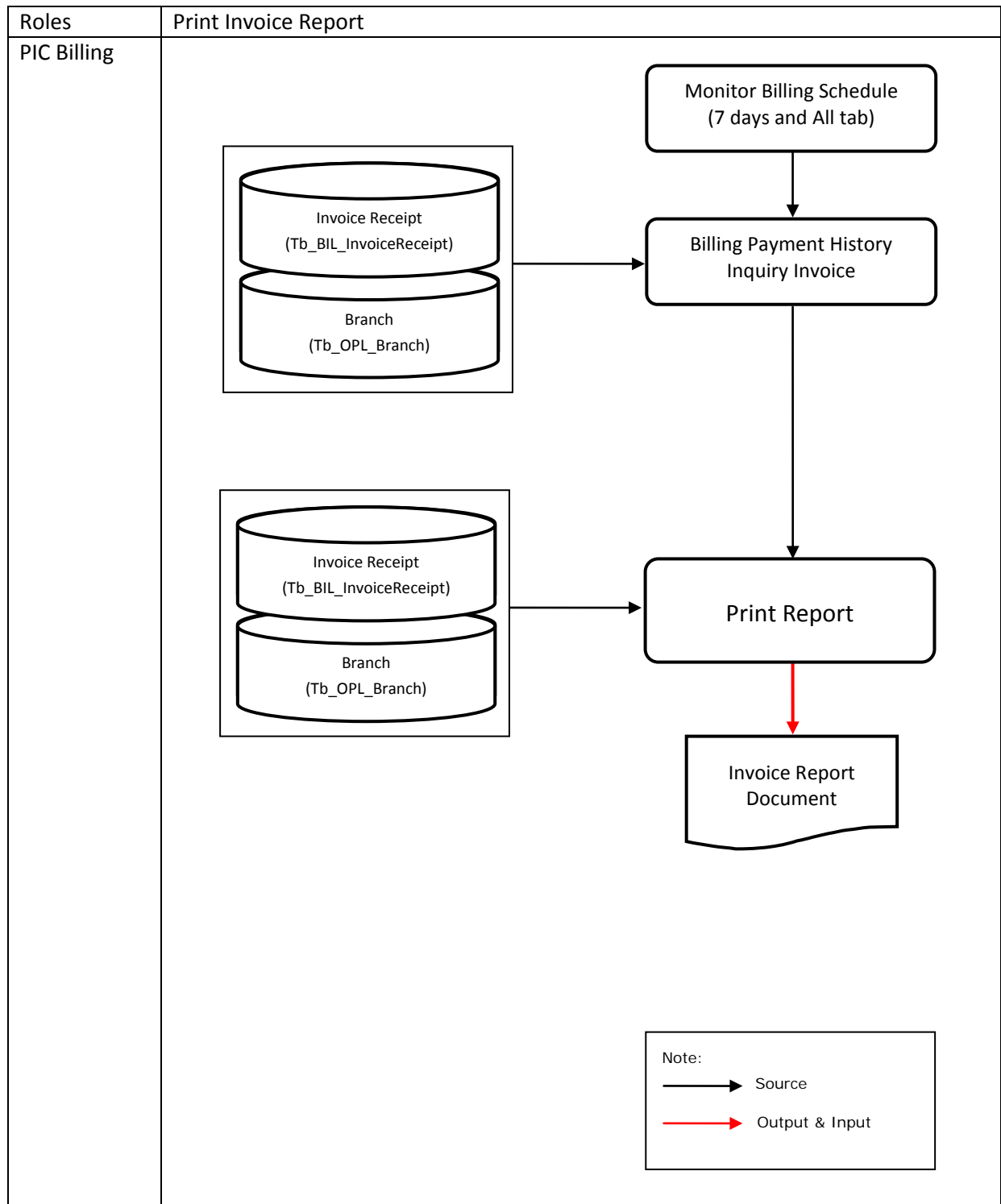
Project Code :	TM15404A
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Below is data flow for Edit Billing Payment process referring to **To Be Design Document Billing Collection**, AE.1.2. Monitor Billing Schedule:

Roles	Edit Billing Payment
PIC Billing	

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Below is data flow for Input Promise to Pay process referring to **To Be Design Document Billing Collection**, AE.1.2. Monitor Billing Schedule:

Roles	Input Promise to Pay
PIC Billing	

Monitor Billing Schedule
(7 days, 5 days, 1 day, All tab)

Billing Payment Schedule Detail
(Tb_BIL_PayScheduleDtl)

Agreement
(OPL Agreement)

Customer
(Customer)

Promise to Pay Date

Save

Billing Payment Schedule Detail
(Tb_BIL_PayScheduleDtl)

Note:

→ Source

→ Output & Input

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Below is data flow for Add Billing & Payment History Inquiry process referring to **To Be Design Document Billing Collection**, AE.1.2. Monitor Billing Schedule:

Roles	Add Billing & Payment History Inquiry
PIC Billing	

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Below is data flow for Create Reminder Memo process referring to **To Be Design Document Billing Collection**, AE.1.2. Monitor Billing Schedule:

Roles	Create Reminder Memo
PIC Billing	

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Below is data flow for Print Reminder Memo History process referring to **To Be Design Document Billing Collection**, AE.1.2. Monitor Billing Schedule:

Roles	Print Reminder Memo History
PIC Billing	

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Below is data flow for Print Billing Schedule Report process referring to **To Be Design Document Billing Collection**, AE.1.2. Monitor Billing Schedule:

Roles	Print Billing Schedule Report
PIC Billing	

Project Code :	TM15404A
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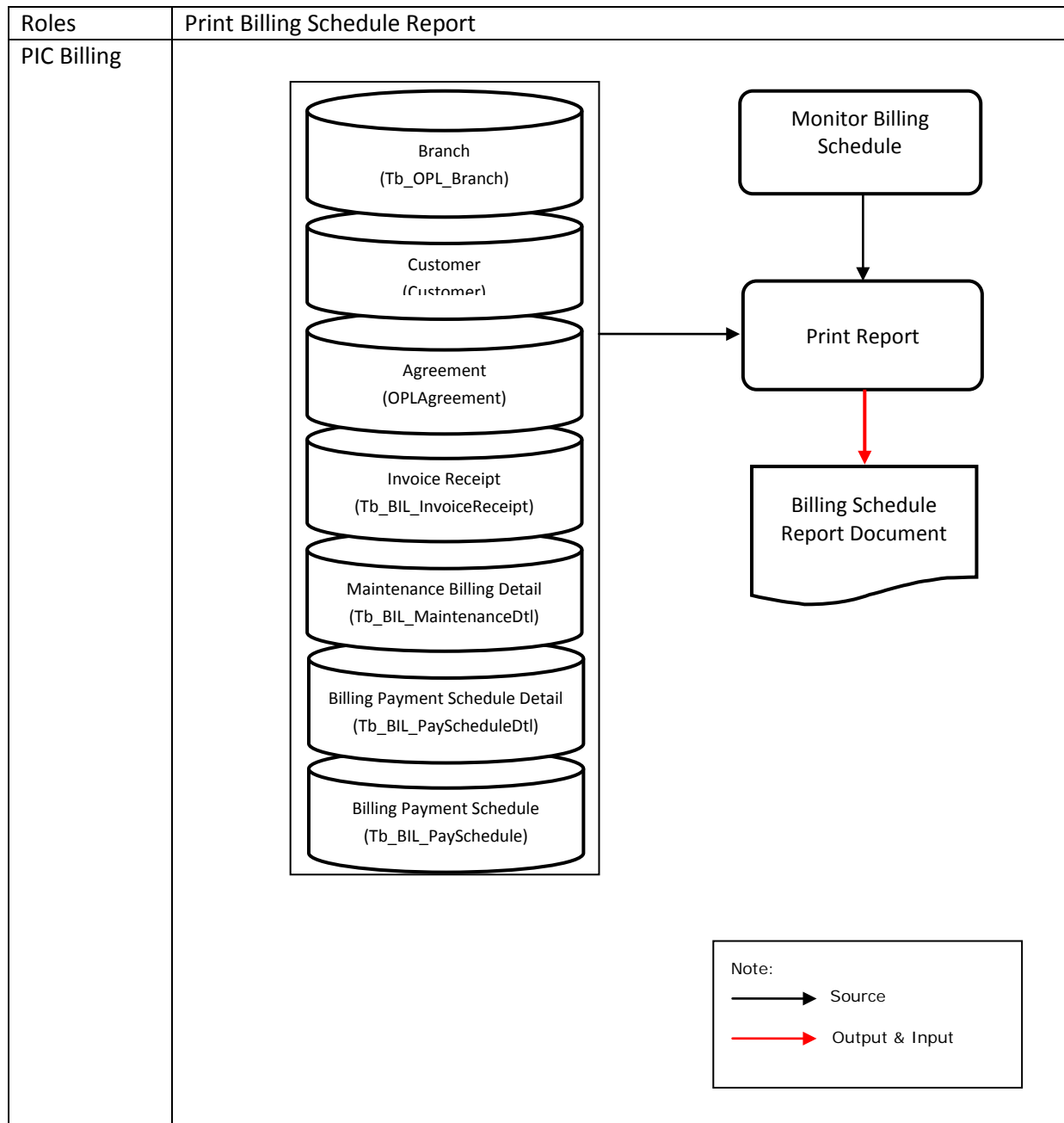
Below is data flow for Print Billing Schedule Report process referring to **To Be Design Document Billing Collection**, AE.1.2. Monitor Billing Schedule:

Roles	Print Billing Schedule Report
PIC Billing	

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3.5 Screen Design

- *Screen Design of Monitor Billing Schedule in tab End Contract*

Screen 1 Monitor Billing Schedule – End Contract tab

- *Initial Screen Monitor Billing Schedule on tab 7 Days*

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Screen 2 Monitor Billing Schedule – 7 days tab (part 1 and 2)

- *Screen Design of Monitor Billing Schedule in tab 5 Days*

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Screen 3 Monitor Billing Schedule – 5 days tab (part 1 and 2)

- *Screen Design of Monitor Billing Schedule in tab 1 Day*

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Screen 4 Monitor Billing Schedule – 1 day tab (part 1 and 2)

- *Screen Design of Monitor Billing Schedule in tab Due Date*

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Screen 5 Monitor Billing Schedule – Due Date tab (part 1 and 2)

- *Screen Design of Monitor Billing Schedule in tab All*

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Screen 6 Monitor Billing Schedule – All tab (part 1 and 2)

- *Screen Design of View Maintenance Billing Detail Pop Up Screen*

Screen 7 Monitor Billing Schedule – View Maintenance Billing Detail pop up screen

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- *Screen Design of Promise To Pay Pop Up Screen*

Screen 8 Monitor Billing Schedule – Promise to Pay pop up screen

- *Screen Design of Monitor Billing Overdue on tab 1-30 Days*

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Screen 9 Monitor Billing Overdue – 1-30 Days tab (part 1 and 2)

- *Screen Design of Monitor Billing Overdue on tab 31-60 Days*

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Screen 10 Monitor Billing Overdue – 31-60 Days tab (part 1 and 2)

- *Screen Design of Monitor Billing Overdue on tab 61-90 Days*

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Screen 11 Monitor Billing Overdue – 61-90 Days tab (part 1 and 2)

- *Screen Design of Monitor Billing Overdue on tab >90 Days*

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Screen 12 Monitor Billing Overdue – >90 Days tab (part 1 and 2)

- *Screen Design of Create Reminder Memo Pop Up Screen*

Screen 13 Monitor Billing Overdue – Create Reminder Memo Pop Up Screen

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- *Screen Design of Reminder Memo History Pop Up Screen*

Screen 14 Monitor Billing Overdue – Reminder Memo History Pop Up Screen

- *Notification after Click button Send Reminder Email*

Screen 15 Notification After click button Send Reminder Email

3.6 Component Screen Functionality

a. **Monitor Schedule**
   Here are the screen functions from each component in **Screen 1, 2, 3, 4, 5, 6.**
   Monitor Billing Schedule:

No	Component	Name	Function
Header			
1	Label	Monitor Schedule	Monitor Schedule Title

Search Criteria			
2	Drop down box	Search Criteria	To select category for searching agreement billing data
3	Text Field	Parameter	To input parameter for searching agreement billing data
4	Date Picker	Start Billing Date	To input start period based on update date when print agreement billing data report
5	Date Picker	End Billing Date	To input end period based on update date when print agreement billing data report
6	Button	Search	To search agreement billing data based on selected criteria
List of Agreements			
7	Drop down	Show Entries	To select number of row data that will be displayed in one screen (paging)
8	Button	Print	To print report unit preparation status as shown on the list
9	Tab	End Contract	To display agreement on last billing month to end contract
10	Tab	7 Days	To display agreements with 7 calendar days before end usage unit date and agreement with special invoice issue date
11	Tab	5 Days	To display agreements with 5 calendar days before due date
12	Tab	1 Day	To display agreements with 1 calendar day before due date
13	Tab	Due Date	To display agreements on due date
14	Tab	All	To display all active agreements
15	Button	Sort	To sort data on table list of agreements ascending and descending
16	Label	DSF Office	To display Dipo Star Finance Office Branch
17	Label	Customer Group	To display Group of customer
18	Label	Customer Name	To display Customer name
19	Label	Agreement Number	To display Agreement number
20	Label	Agreement Date	To display Agreement date
21	Label	Invoice Issue Date	To display invoice issue date
22	Label	End Usage Unit Date	To display end usage unit date
23	Label	Total Billing Amount (Rp)	To display total billing amount
24	Label	Billing Maintenance	To display total billing maintenance and detail of billing maintenance
25	Label	Total (Rp)	To display total billing maintenance

26	Button	Detail	To display billing maintenance detail in period contract
27	Label	Total Breakdown (Rp)	To display total breakdown
28	Label	Promise to Pay Date	To display previous and current promise to pay date
29	Label	Previous	To display previous Promise to Pay date data stated by customer
30	Label	Current	To display latest Promise to Pay date data stated by customer
31	Label	Last Modified by	To display user name who make last modification on billing data
32	Label	Last Modified Date	To display the date when billing data last modified
33	Label	Mail Status	To display status of email delivery of invoice
34	Label	Invoice Status	To display status of invoice document
35	Label	Action	To display action buttons for every list of data
36	Button	Edit Billing	To edit billing schedule such as update Special Invoice issue date,
37	Button	Create Invoice	To create new invoice and receipt
38	Button	Input Promise to Pay	To input the date of promise to pay
39	Button	List of Invoice Status	To display list of invoice status
40	Button	Edit Billing Payment	To edit billing of payment
41	Button	Send reminder	To send reminder by email on 5 days and 1 day before due date
42	Button	Create RAL	To create RAL on end contract
43	Button	Stop Billing	To change status billing from OPEN to STOP BILLING
44	Label	Showing N to M of X entries	Displaying agreement data sequence and the total of agreement data
45	Link	First Page	To display first entries page of agreement data
46	Link	Previous Page	To display the previous entries page of agreement data
47	Link	Page Number	Displaying the page number of the list
48	Link	Next Page	To display the next entries page of agreement data
49	Link	Last Page	To display the last entries page of agreement data

b. View Maintenance Billing Detail Pop Up Screen

Here are the screen functions from each component in **Screen 7. Monitor Billing Schedule – View Maintenance Billing Detail Pop Up Screen:**

No	Component	Name	Function
Header			
1	Label	Agreement No	To view selected Agreement Number

2	Label	Contract Period	To view Contract Period of selected Agreement
Data			
3	Label	No	To view number of maintenance data
4	Label	Unit Model	To view Unit Model in maintenance
5	Label	Unit Type	To view Unit Type in maintenance
6	Label	Police Number	To view police number of unit in maintenance
7	Label	Engine Number	To view engine number of unit in maintenance
8	Label	Maintenance Type	To view maintenance type
9	Label	Billing Amount	To view billing amount of maintenance
10	Label	Total	To view total of billing amount of maintenance
11	Button	Close	To close pop up screen without create data

c. Promise to Pay Pop Up Screen

Here are the screen functions from each component in **Screen 8. Monitor Billing Schedule – Promise to Pay Pop Up Screen:**

No	Component	Name	Function
Data			
1	Text Field	Agreement No	To view selected Agreement Number
2	Text Field	Customer Name	To view Customer Name of selected Agreement
3	Datetime Picker	Promise to Pay Date	To input the date of promising to pay confirmed by Customer
4	Button	Save	To close pop up screen with saving changes data
5	Button	Close	To close pop up screen without saving changes data

d. Monitor Billing Overdue

Here are the screen functions from each component in **Screen 9, 10, 11 and 12. Monitor Overdue:**

No	Component	Name	Function
Header			
1	Label	Monitor Overdue	Monitor Overdue Title
Search Criteria			
2	Drop down box	Search Criteria	To select category for searching agreement billing data
3	Text Field	Parameter	To input parameter for searching agreement billing data
4	Date Picker	Start Billing Date	To input start period based on update date when print agreement billing data

			report
5	Date Picker	End Billing Date	To input end period based on update date when print agreement billing data report
6	Button	Search	To search agreement billing data based on selected criteria
List of Agreements			
7	Drop down	Show Entries	To select number of row data that will be displayed in one screen (paging)
8	Button	Print Report	To print report billing data as shown on the list
9	Tab	1 – 30 Days	To display agreements with overdue from 1 to 30 calendar days
10	Tab	31 – 60 Days	To display agreement with overdue from 31 to 60 calendar days
11	Tab	61 – 90 Days	To display agreement with overdue from 61 to 90 calendar days
12	Tab	>90 Days	To display agreement with overdue more than 90 calendar days
13	Button	Sort	To sort data on table list of agreements ascending and descending
14	Label	DSF Office	To display Dipo Star Finance Office Branch
15	Label	Customer Group	To display Group of customer
16	Label	Customer Name	To display Customer name
17	Label	Agreement Number	To display Agreement number
18	Label	Agreement Date	To display Agreement date
19	Label	End Usage Unit Date	To display end usage unit date of period of contract
20	Label	Total Overdue (Rp)	To display remaining total overdue of billing agreement
21	Label	Overdue Days	To display accumulate overdue days of billng agreement
22	Label	Overdue Bucket	To display overdue bucket of billing agreement
23	Label	Promise to Pay Date	To display previous and current promise to pay date
24	Label	Previous	To display previous promise to pay date stated by customer
25	Label	Current	To display latest promise to pay date stated by customer
26	Label	Last Modified by	To display user name who make last modification on billing data
27	Label	Last Modified Date	To display the date when billing data last modified
28	Label	Warning Letter Status	To display latest status of Warning Letter
29	Label	RAL Status	To display latest status of RAL
30	Label	Action	To display action buttons for every list of data

30	Button	Create Reminder Memo	To input reminder memo conducted by PIC Collection to customer
31	Button	Create Warning Letter	To create and print Warning Letter for overdue billing agreement
32	Button	Create RAL	To create and print Return Authorization Letter (RAL) for billing agreement
33	Button	Reminder Memo History	To display Reminder Memo Detail History Pop Up Screen
34	Button	Input Payment	To input payment history
35	Button	Stop Billing	To change contract status to STOP BILLING
36	Label	Showing N to M of X entries	Displaying agreement data sequence and the total of agreement data
37	Link	First Page	To display first entries page of agreement data
38	Link	Previous Page	To display the previous entries page of agreement data
39	Link	Page Number	Displaying the page number of the list
40	Link	Next Page	To display the next entries page of agreement data
41	Link	Last Page	To display the last entries page of agreement data

e. **Create Reminder Memo Pop Up Screen**

Here are the screen functions from each component in **Screen 13. Create Reminder Memo Pop Up Screen:**

No	Component	Name	Function
Header			
1	Label	Reminder Memo	Reminder Memo Title
Data			
2	Text Field	Agreement Number	To display selected agreement Number
3	Text Field	Customer Name	To display selected Customer Name
4	Datetime Picker	Reminder Date	To input reminder date
5	Datetime Picker	Promise to Pay Date	To input promise to pay date confirmed by customer
6	Combobox	Reminder Type	To input reminder type
7	Text Area	Response	To input response of customer
8	Button	Save	To create reminder memo data and automatically close pop up screen
9	Button	Close	To close pop up screen without create data

Project Code :	TM15404A
Project Name :	Operating Lease Support System Phase-2

f. Reminder Memo History Pop Up Screen

Here are the screen functions from each component in **Screen 14. Reminder Memo History Pop Up Screen:**

No	Component	Name	Function
Header			
1	Label	Reminder Memo History	Reminder Memo History Title
Header Data			
2	Text Field	Agreement Number	To display selected agreement Number
3	Text Field	Customer Name	To display selected Customer Name
4	Text Field	Search	To input search data
5	Button	Search	To proceed search data
Detail Data			
6	Label	No	To display number of data
7	Label	Reminder Date	To display reminder date
8	Label	Reminder Type	To display reminder type
9	Label	Reminder By	To display the name of PIC who conduct reminder
10	Label	Response	To display response of customer
11	Button	Print	To print history of reminder memo
12	Button	Close	To closed pop up screen

3.7 Operation Description
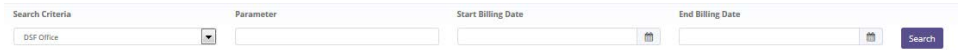
a. Monitor Billing Schedule

No.	Operation Name	Description
1	Initial view of Monitor Billing Schedule	The screen of monitor billing schedule: 1. Component Status; {sub-table below}

Component	Name/Caption	Status	Remark
Label	Monitor Billing	Not Active	
Drop down box	Search criteria	Active	As initial by default column name that will be display on drop down is DSF Office
Text Field	Search criteria value	Active	Value: - DSF Office - Customer Group - Customer Name - Agreement Number - Agreement Date - Invoice Issue Date - End Usage Unit Date - Total Billing Amount - Total Billing Maintenance

				- Total Breakdown - Promise to Pay Date - Last Modified By - Last Modified Date - Mail Status - Invoice Status
	Label	DSF Office	Not Active	
	Label	Customer Group	Not Active	
	Label	Customer Name	Not Active	
	Label	Agreement Number	Not Active	
	Label	Agreement Date	Not Active	
	Label	Invoice Issue Date	Not Active	
	Label	End Usage Unit Date	Not Active	
	Label	Total Billing Amount (Rp)	Not Active	
	Label	Billing Maintenance	Not Active	
	Label	Total	Not Active	
	Label	Detail	Active	Active depending on existence of billing maintenance on billing period
	Label	Total Breakdown (Rp)	Not Active	
	Label	Promise to Pay Date	Not Active	
	Label	Previous	Not Active	
	Label	Current	Not Active	
	Label	Last Modified By	Not Active	
	Label	Last Modified Date	Not Active	
	Label	Mail Status	Not Active	
	Label	Invoice Status	Not Active	
	Label	Action	Not Active	
	Link	First Page	Active	Active depending on the current entry
	Link	Previous Page	Active	Active depending on the current entry
	Link	Page Number	Active	Active depending on the current entry
	Link	Next Page	Active	Active depending on the current entry
	Link	Last Page	Active	Active depending on the current entry

Constraint:
1. For billing data on End Contract tab, only display billing data which on the last period of contract. It will compare the current system date within Tb_BIL_PayScheduleDtl.StartPeriod and Tb_BIL_PayScheduleDtl.EndPeriod.
2. For billing data on 7 days tab, only display billing data with less and equal 7 calendar days before end usage unit date. It will compare the current system date which have less and equal 7 calendar days to
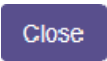
Tb_BIL_PayScheduleDtl.EndPeriod. Also, billing data with special condition set yes to create invoice on that date, which is when Tb_BIL_PayScheduleDtl. isSpecialCondition = TRUE then current system date is equal with value of Tb_BIL_PayScheduleDtl.SpecialDateInvoice.

3. For billing data on 5 days tab, only display billing data from 2 calendar days to 5 calendar days before due date (end usage unit date + TOP). It will compare the current system date which have 2 to 5 calendar days before Tb_BIL_PayScheduleDtl.PaymentSchedule.
4. For billing data on 1 day tab, only display billing data with 1 calendar day before due date (end usage unit date + TOP). It will compare the current system date which have 1 calendar days before Tb_BIL_PayScheduleDtl.PaymentSchedule.
5. For billing data on Due Date tab, only display billing data on due date. It will compare the current system date which equal with Tb_BIL_PayScheduleDtl.PaymentSchedule.
6. For billing data on End Contract tab, only display billing data on the end of contract. So, current system date should in between Tb_BIL_PayScheduleDtl.StartPeriod and Tb_BIL_PayScheduleDtl.EndPeriod in last period of contract.
7. In this screen, only agreement data with status: OPEN, CLOSED INCOMPLETED and STOP BILLING.

2	Searching the List of Billing of Agreement	Input:

Input:
1. Select searching criteria category (search criteria), searching criteria value (param), Start Period (End usage unit date) and End Period (End usage unit date) in search field

Search Criteria	Parameter	Start Billing Date	End Billing Date	
DSF Office				Search

Constraint:
a. Search criteria only consists of Customer Group, Customer Name, Agreeement Number, Agreement Date, Invoice Issue Date, End Usage Unit Date, Total Billing Amount, Total Breakdown, and Invoice Status (the same as the lists) generated from Tb_OPL_SearchCriteria mapping
b. End Period can not be less than Start Period (the End Period will be locked for the date before Start Date)
c. Start Period can not be more than End Period (the Start Period will be locked for the date after End Date)
d. For monitor billing schedule on all tab will display list of all agreement data with status OPEN, CLOSED INCOMPLETED and STOP BILLING and already has billing schedule
e. For agreements with status STOP BILLING cannot be changed or do any action (all buttons are disabled)
f. For monitor billing schedule on 7 days tab will display list of agreement with 7 days before end of usage period date or list of agreement with special condition for print invoice.
g. For monitor billing schedule on 5 days tab will display list of agreement with 5 days before due date (end of usage period date + Term of payment)
h. For monitor billing schedule on 1 day tab will display list of agreement with 1 day before due date (end of usage period date + Term of payment)
i. For monitor billing schedule on due date tab will display list of agreement on due date
j. For monitor billing schedule on end contract tab will display list of

<table>
<tr>
<td></td>
<td></td>
<td>

agreement on end contract period (last period of contract)
2. Click on the Search Button

Search

3. The screen will view the list of agreement according to criteria
4. Based on **Screen Monitor Billing Schedule – End Contract, 7 Days, 5 Days, 1 Day, Due Date and All**, information related to Billing Agreement that will be display automatically are:
   - DSF Office
   - Customer Group
   - Customer Name
   - Agreement Number
   - Agreement Date
   - End Usage Unit Date
   - Invoice Issue Date
   - Total Billing Amount
   - Total Breakdown
   - Created By
   - Created Date
   - Last Modified By
   - Last Modified Date
   - Invoice status
5. Number data row on list will be based on selected show number entries
6. Select number of show list entries: 10, 25, 50, and 100 and click the page for viewing more data

Process:
1. Default view will display data list of agreements with status "OPEN", "CLOSED INCOMPLETED" and "STOP BILLING" and in the middle of last period of contract
2. List of agreements will be sorted descending by agreement created date
3. After click the Search button, the system will get data from Tb_BIL_PayScheduleDtl table to be displayed in the list

Output:
1. Display list data of agreement
</td>
</tr>
<tr>
<td>3</td>
<td>Maintenance Detail</td>
<td>

Input:
1. Click the button Maintenance Detail on the list of billing schedule screen

2. Maintenance Detail pop up screen will display with the following field:
   - Agreement No
   - Contract Period
   - Unit Model
   - Unit Type
   - Police Number
   - Engine Number
   - Maintenance Type
   - Billing Amount

Constraint:
a. Only maintenance on billing period will be taken to billing invoice
b. If PIC Maintenance input billing maintenance after generate invoice, then it will be taken on next period of invoice
c. Only agreement with maintenance type = CSD and back cash to customer will be taken to invoice billing
</td>
</tr>
</table>

		d. If maintenance billing already take to billing invoice, status will change data on Tb_MTN_HistoryMT.IsBilled to TRUE Process: 1. Click "Close" button to close pop up screen. **Close** Output: N/A

4	Promise to Pay	Input:
		1. Click the button input promise to pay on the list of billing schedule screen
		
		2. Input/select the following field:
		   - Agreement No (disabled, already inputted by system)
		   - Customer Name (disabled, already inputted by system)
		   - Promise to Pay Date
		
		Process:
		1. Click "Save" button to save the inputted data and close pop up screen.
		2. When click button Save, will trigger a pop up screen for validation **"Are you sure you want to input Promise to Pay Date for Agreement Number: xxxx?"**
		3. Click "Close" button to close pop up screen without saving data.
		4. When click button Close, if user already input data, will trigger a popup screen for validation **"Are you sure you want to quit without saving data?"**
		
		Output:
		N/A

5	Send Reminder email	Input: 1. Click the button Send Reminder Email of billing schedule screen Constraint: 1. Customer PIC must have email address 2. If customer PIC doesn't have email address, then the button Send Reminder Email will be disabled Process: 1. Send invoice by email to customer 2. Save data to table Tb_BIL_ReminderMemoHistory 3. Data to save: | Name/Caption	Status	Remark
Invoice ID	Active	
Reminder Status	Active	
Reminder Type	Active	
Reminder Date	Active	
Reminder Remarks	Active	
Created Date	Active	
Created By	Active	
Last Modified Date	Active	
Last Modified By	Active	| Output:

<table>
<tr><td colspan="2"></td><td>
1. Email of invoice
2. Format email:
YTH. <i><customer_name></i>
<i><npwp_address></i>

Up. <i><PIC_Name></i>

Bersama dengan ini kami informasikan tagihan Operating Lease <i><customer_name></i> sebagai berikut:
</td></tr>
</table>

		1. Email of invoice

2. Format email:

YTH. *<customer_name>*
<npwp_address>

Up. *<PIC_Name>*
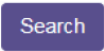
Bersama dengan ini kami informasikan tagihan Operating Lease *<customer_name>* sebagai berikut:

Nama	: *<customer_name>*
Nomor Perjanjian	: *<AgreementNumber>*
Nomor Invoice	: *<InvoiceNo>*
Periode Pemakaian	: *<startPeriod>* - *<endPeriod>*
Nominal	: *<installmentAmt>* (Belum termasuk PPN dan belum dipotong PPh)
Nomor Invoice Maintenance	: *<totalIncludeTax>*

Mohon untuk melakukan pembayaran paling lambat pada tanggal jatuh tempo pembayaran.

Terima kasih.

DSF Admin

6	Initial view of Monitor Overdue	The screen of monitor billing overdue:

2. Component Status;

Component	Name/Caption	Status	Remark
Label	Monitor Overdue	Not Active	
Drop down box	Search criteria category	Active	As initial by default column name that will be display on drop down is DSF Office
Text Field	Search criteria value	Active	Value: - DSF Office - Customer Group - Customer Name - Agreement Number - Agreement Date - End Usage Unit Date - Total Overdue - Overdue Days - Overdue Bucket - Promise to Pay Date - Last Modified By - Last Modified Date - Warning Letter Status - RAL Status
Label	DSF Office	Not Active	
Label	Customer Group	Not Active	
Label	Customer Name	Not Active	
Label	Agreement Number	Not Active	
Label	Agreement Date	Not Active	
Label	End Usage Unit Date	Not Active	
Label	Total Overdue	Not Active	

Label	Overdue Days	Not Active	
Label	Overdue Bucket	Not Active	
Label	Promise to Pay Date	Not Active	
Label	Previous	Not Active	
Label	Current	Not Active	
Label	Last Modified By	Not Active	
Label	Last Modified Date	Not Active	
Label	Warning Letter Status	Not Active	
Label	RAL Status	Not Active	
Label	Action	Not Active	
Link	First Page	Active	Active depending on the current entry
Link	Previous Page	Active	Active depending on the current entry
Link	Page Number	Active	Active depending on the current entry
Link	Next Page	Active	Active depending on the current entry
Link	Last Page	Active	Active depending on the current entry

Constraint:
1. For billing overdue data on 1-30 days tab, only display billing data with overdue from 1 to 30 calendar days.
2. For billing overdue data on 31-60 days tab, only display billing data with overdue from 31 to 60 calendar days.
3. For billing overdue data on 61-90 days tab, only display billing data with overdue from 61 to 90 calendar days.
4. For billing overdue data on >90 days tab, only display billing data with overdue more than 90 calendar days.
5. Overdue means current date more than Due Date (End usage unit date + TOP) and customer not conduct payment yet.
6. System will check overdue if the monthly payment not settled after pass Due Date (Current Date more than Tb_BIL_PayScheduleDtl.PaymentSchedule and Tb_BIL_PayScheduleDtl.BillingAmt > sum of (Tb_BILPaymentHistory.PayInstallment)
7. Overdue amount will be calculated per period from: Tb_BIL_PayScheduleDtl.BillingAmt – sum of (Tb_BILPaymentHistory.PayInstallment)
8. Overdue days will be calculated per period from: Current System Date – Tb_BIL_PayScheduleDtl.PaymentSchedule

---

7 | Searching the List of Overdue Billing of Agreement

Input:
1. Select searching criteria category (search criteria), searching criteria value (parameter), Start Period (End usage unit date) and End Period (End usage unit date) in search field

Search Criteria	Parameter	Start Billing Date	End Billing Date	
DSF Office				Search

Constraint:
a. Search criteria only consists of Customer Group, Customer Name, Agreeement Number, Agreement Date, Invoice Issue Date, End Usage

Unit Date, Total Billing Amount, Total Breakdown, and Invoice Status (the same as the lists) generated from Tb_OPL_SearchCriteria mapping

b. End Billing Date can not be less than Start Billing Date (the End Billing Date will be locked for the date before Start Billing Date)

c. Start Billing Date can not be more than End Billing Date (the Start Billing Date will be locked for the date after End Billing Date)

d. If parameter type is date, then only Start Billing Date and End Billing Date are active,

e. For monitor billing schedule on all tabs will display list of all agreement data with agreement status OPEN, CLOSED INCOMPLETED and STOP BILLING and already has billing schedule.

f. For monitor overdue on 1-30 Days tab will display list of agreements with overdue days payment instalment between 1 to 30 calendar days and with agreement status OPEN, CLOSED INCOMPLETED, STOP BILLING and CLOSED COMPLETED.

g. For monitor overdue on 31-60 Days tab will display list of agreements with overdue days payment instalment between 31 to 60 calendar days and with agreement status OPEN, CLOSED INCOMPLETED, STOP BILLING and CLOSED COMPLETED.

h. For monitor overdue on 61-90 Days tab will display list of agreements with overdue days payment instalment between 61 to 90 calendar days and with agreement status OPEN, CLOSED INCOMPLETED, STOP BILLING and CLOSED COMPLETED.

i. For monitor overdue on <90 Days tab will display list of agreements with overdue days payment instalment more than 90 calendar days and with agreement status OPEN, CLOSED INCOMPLETED, STOP BILLING and CLOSED COMPLETED.

j. System will check overdue if the monthly payment not settled after pass Due Date (Current Date more than Tb_BIL_PayScheduleDtl.PaymentSchedule and Tb_BIL_PayScheduleDtl.BillingAmt > sum of (Tb_BILPaymentHistory.PayInstallment)

k. Overdue amount will be calculated per period from: Tb_BIL_PayScheduleDtl.BillingAmt – sum of (Tb_BILPaymentHistory.PayInstallment)

l. Overdue days will be calculated per period from: Current System Date – Tb_BIL_PayScheduleDtl.PaymentSchedule

m. For Overdue bucket, system will automatically calculate when:
   - 1 – 30 calendar days, Overdue Bucket = 1
   - 31 – 60 calendar days, Overdue Bucket = 2
   - 61 – 90 calendar days, Overdue Bucket = 3
   - More than 90 calendar days, Overdue Bucket = 4

2. Click on the Search Button

3. The screen will view the list of agreement according to criteria

4. Based on **Screen Monitor Billing Overdue – 1-30 Days, 31-60 Days, 61-90 Days and >90 Days**, information related to Billing Agreement that will be display automatically are:
   - DSF Office
   - Customer Group
   - Customer Name
   - Agreement Number
   - Agreement Date
   - Total Overdue
   - Overdue Days
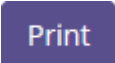
		- Overdue Bucket - Promise to Pay Date - Previous - Current - Last Modified By - Last Modified Date - Warning Letter status - RAL Status 5. Number data row on list will be based on selected show number entries 6. Select number of show list entries: 10, 25, 50, and 100 and click the page for viewing more data Process: 1. Default view will display data list on tab 1-30 Days 2. List of agreements will be sorted descending by created date 3. After click the Search button, the system will get data from Tb_BIL_PayScheduleDtl table to be displayed in the list Output: 1. Display list data of overdue billing
8	Input Reminder Memo	Input: 1. Click the button of Create Reminder Memo on the list of billing overdue screen 2. By click button Reminder Memo will trigger Reminder Memo Pop Up Screen 3. Insert the following field: - Reminder Date (required) - Reminder Type (required) - Response (required) - Promise to Pay (if any) Constraint: a. Date picker component will initially select today of system date for reminder date and promise to pay b. Only date before or equal with today can be inputted in Reminder Date c. Only date after today date can be inputted in Promise to Pay d. Dropdown component will display "By Phone" and "By Visit" value and will initially select "By Phone" for Reminder Type e. Every field inputted cannot exceed maximum length defined in database system 4. From step 2, click on Save button to save reminder memo 1. When click on button Save, will trigger a pop up screen for validation **"Are sure you want to input Reminder Memo for Agreement Number: xxxx?"** 2. Or from step 2, click on Close button to close reminder memo pop up screen without saving data 3. When click button Close, if user already input data, will trigger a popup screen for validation **"Are your you want to quit without saving data?"** Constraint: a. If clicked with any of the field still hasn't meet the validation criteria,

every notification message for validation below the field will be generated (notification "This field is required" for mandatory field)

Process:
1. Inputting Reminder Memo in table Tb_BIL_ReminderMemo with the following data:
    a. IdTb_BIL_PayScheduleDtl
    b. ReminderDate
    c. ReminderType
    d. Response
    e. CreatedDate
    f. CreatedBy
2. If Promise to Pay Date is filled, then update the following data on table Tb_BIL_PayScheduleDtl:
    a. PTPDatePrev (filled with previous PTPDate)
    b. PTPDate (filled with Promise to Pay on screen)
    c. LastModifiedDate
    d. LastModifiedBy

---

9 | **Print Billing (Schedule/Overdue) History**

Input:
1. Access menu OLSS
2. Hover to menu Collection
3. Click on Monitor Schedule sub menu
4. Select Search Criteria Drop down box and click among these:

Search Criteria	Constraint Input
DSF Office	Varchar
Customer Group	Varchar
Customer Name	Varchar
Agreement Number	Varchar
Agreement Date	Datetime
End Usage Unit Date	Datetime
Total Overdue	Decimal
Overdue Days	Integer
Overdue Bucket	Integer
Last Modified By	Varchar
Last Modified Date	Datetime

Constraint:
a. Validation of parameter based on the contraint value will be executed when user click search button.
b. For Agreement Date, End Usage Unit Date and Last Modified Date will save to database as complete Datetime data, but when display on screen the format will be MM/dd/yyyy
5. Select Start and End date period to filter based on the Billing date

Constraint:
a. End Agreement Date can not be less than Start Agreement Date (the End Agreement Date will be locked for the date before Start Date).
b. Start Agreement Date can not be less than End Agreement Date (the Start PO Creation Date will be locked for the date after End Date).

<table>
<tr><td colspan="2"></td><td>

c. Validation will be executed when user click search button.

6. Click Search button:

Search

7. List of data which will be printed will be shown at the list. To print those data as Billing report, user should click Print Report button:

Print Report

Process:
1. User can view list of Billing data which will be printed, in the Billing search result list.
2. Informations related to Billing that will be printed are:
   a. DSF Office
   b. Customer Group
   c. Customer Name
   d. Agreement Number
   e. Agreement Date
   f. End Usage Unit Date
   g. Total Overdue
   h. Overdue Days
   i. Overdue Bucket
   j. Previous (Promise to Pay Date)
   k. Current (Promise to Pay Date)
   l. Last Modified By
   m. Last Modified Date
3. List of agreements will be sorted descending by created date

Output:
1. Billing Schedule Report will be saved as Billing Schedule Report_MMddyyyy_hhmm, where MMddyyyy and hhmm is the time of Application Server Machine when button Print Report is clicked.
2. Billing Overdue Report will be saved as Billing Overdue Report_MMddyyyy_hhmm, where MMddyyyy and hhmm is the time of Application Server Machine when button Print Report is clicked.

Alternative:
N/A

</td></tr>
<tr><td>10</td><td>Print Reminder Memo History</td><td>

Input:
1. Access menu OLSS
2. Hover to menu Billing Collection
3. Click on Monitor Schedule sub menu
4. Click button Reminder Memo Detail

5. List of data which will be printed will be shown at this list. To print those data as Reminder Memo Report, user should click Print button:

Print

</td></tr>
</table>

		Process:
		1. User can view list of reminder memo data which will be printed, in the memo search result list.
		2. The source of this data is in table Tb_BIL_ReminderMemo
		3. Informations related to reminder memo that will be printed are:
		a. Agreement Number
		b. Customer Name
		c. Reminder Date
		d. Reminder Type
		e. Reminder By
		f. Response
		4. Reminder memo data will be sorted based on the oldest reminder date at list of reminder memo data. The oldest reminder date will be listed on top. Sorted descending by Created Date.
		Output:
		1. Reminder Memo Report will be saved as Reminder Memo Report_MMddyyyy_hhmm, where MMddyyyy and hhmm is the time of Application Server Machine when button Print is clicked.
		Alternative:
		N/A
11	System Error Message	Process:
		1. Any kind of errors out of application validation or cannot be handled by application such as error when communicate with database server, bugs, overloop etc will generate error message:
		"System error. Please contact your administrator"
		Output:
		1. A page with system error message will appear.

3.8 Data Structure

a. TB_BIL_PaySchedule

Field Name	Data Type	Length	Source	Remarks	Nullable	Mandatory
IdTB_BIL_PaySchedule	Integer	N/A	TB_BIL_PaySchedule.IdTB_BIL_PaySchedule	**Primary Key**	No	Yes
IdOPLAgreement	Integer	N/A	OPLAgreement.IdOPLAgreement	**Foreign Key**	No	Yes
CollectionAmt	Decimal	18,3	TB_BIL_PaySchedule.CollectionAmt		Yes	No
ExpectationCollAmt	Decimal	18,3	TB_BIL_PaySchedule.ExpectationCollamt		Yes	No
OverdueAmt	Decimal	18,3	TB_BIL_PaySchedule.OverdueAmt		Yes	No
BillingTotal	Decimal	18,3	TB_BIL_PaySchedule.BillingTotal		Yes	No
Remarks	Varchar	500	TB_BIL_PaySchedule.Remarks		Yes	No
isValid	Boolean	1	TB_BIL_PaySchedule.isValid		Yes	No
CreatedBy	Varchar	50	TB_BIL_PaySchedule.CreatedBy		No	Yes

CreatedDate	*Datetime*	*N/A*	TB_BIL_PaySchedule .CreatedDate		*No*	*Yes*
LastModifiedBy	*Varchar*	*50*	TB_BIL_PaySchedule .LastModifiedBy		*Yes*	*No*
LastModifiedDate	*Datetime*	*N/A*	TB_BIL_PaySchedule .LastModifiedDate		*Yes*	*No*

b. TB_BIL_PayScheduleDtl

Field Name	*Data Type*	*Length*	*Source*	*Remarks*	*Nullable*	*Mandatory*
IdTB_BIL_PaySche duleDetail	*Integer*	*N/A*	TB_BIL_PaySchedule Dtl.TB_BIL_PaySch eduleDtlID	***Primary Key***	*No*	*Yes*
IdTB_BIL_PaySche dule	*Integer*	*N/A*	TB_BIL_PaySchedule .TB_BIL_PaySchedul eID	***Foreign Key***	*No*	*Yes*
ExpectationCollecti onAmount	*Decimal*	*18,3*	TB_BIL_PaySchedule Dtl.ExpectationColl ectionAmount		*Yes*	*No*
PaymentSchedule	*Datetime*	*N/A*	TB_BIL_PaySchedule Dtl.PaymentSchedu le		*Yes*	*No*
BillingAmt	*Decimal*	*18,3*	TB_BIL_PaySchedule Dtl.BillingAmt		*Yes*	*No*
InvoiceIssueDate	*Datetime*	*N/A*	TB_BIL_PaySchedule Dtl.InvoiceIssueDa te		*Yes*	*No*
CollectionDate	*Datetime*	*N/A*	TB_BIL_PaySchedule Dtl.CollectionDate		*Yes*	*No*
CollectionAmt	*Decimal*	*18,3*	TB_BIL_PaySchedule Dtl. CollectionAmt		*Yes*	*No*
BreakdownAmt	*Decimal*	*18,3*	TB_BIL_PaySchedule Dtl.BreakdownAmt		*Yes*	*No*
PenaltyAmt	*Decimal*	*18,3*	TB_BIL_PaySchedule Dtl.PenaltyAmt		*Yes*	*No*
isOverdue	*Boolean*	*1*	TB_BIL_PaySchedule Dtl.isOverdue		*Yes*	*No*
OverdueDays	*Integer*	*N/A*	TB_BIL_PaySchedule Dtl.OverdueDays		*Yes*	*No*
OverdueAmt	*Decimal*	*18,3*	TB_BIL_PaySchedule Dtl.OverdueAmt		*Yes*	*No*
MaintenanceAmt	*Decimal*	*18,3*	TB_BIL_PaySchedule Dtl.MaintenanceAmt		*Yes*	*No*
VATAmt	*Decimal*	*18,3*	TB_BIL_PaySchedule Dtl.VATAmt		*Yes*	*No*
isPPH	*Boolean*	*1*	TB_BIL_PaySchedule Dtl.isPPH		*Yes*	*No*
isSpecialCondition	*Boolean*	*1*	TB_BIL_PaySchedule Dtl.isSpecialConditi on		*Yes*	*No*
SpecialDateInvoic e	*Datetime*	*N/A*	TB_BIL_PaySchedule Dtl.SpecialDateInv oice		*Yes*	*No*
PPHAmt	*Decimal*	*18,3*	TB_BIL_PaySchedule		*Yes*	*No*

Field Name	Data Type	Length	Source	Remarks	Nullable	Mandatory
			Dtl.PPHAmt			
RemarksSys	*Varchar*	*100*	TB_BIL_PaySchedule Dtl.RemarksSys		*Yes*	*No*
Remarks	*Varchar*	*200*	TB_BIL_PaySchedule Dtl.Remarks		*Yes*	*No*
isBreakdown	*Boolean*	*1*	TB_BIL_PaySchedule Dtl.isBreakdown		*Yes*	*No*
isVATPaid	*Boolean*	*1*	TB_BIL_PaySchedule Dtl.isVATPaid		*Yes*	*No*
OverdueBucket	*Integer*	*1*	TB_BIL_PaySchedule Dtl.OverdueBucket		*Yes*	*No*
StartPeriod	*Datetime*	*N/A*	TB_BIL_PaySchedule Dtl.StartPeriod		*No*	*Yes*
EndPeriod	*Datetime*	*N/A*	TB_BIL_PaySchedule Dtl.EndPeriod		*No*	*Yes*
BillingStatus	*Integer*	*1*	TB_BIL_PaySchedule Dtl.BillingStatus		*Yes*	*No*
PrevPTPDate	*Datetime*	*N/A*	TB_BIL_PaySchedule Dtl. PrevPTPDate		*Yes*	*No*
PTPDate	*Datetime*	*N/A*	TB_BIL_PaySchedule Dtl.PTPDate		*Yes*	*No*
RowVersion	*Integer*	*N/A*	TB_BIL_PaySchedule Dtl.RowVersion		*Yes*	*No*
CreatedBy	*Varchar*	*50*	TB_BIL_PaySchedule Dtl.CreatedBy		*No*	*Yes*
CreatedDate	*Datetime*	*N/A*	TB_BIL_PaySchedule Dtl.CreatedDate		*No*	*Yes*
LastModifiedBy	*Varchar*	*50*	TB_BIL_PaySchedule Dtl.LastModifiedBy		*No*	*Yes*
LastModifiedDate	*Datetime*	*N/A*	TB_BIL_PaySchedule Dtl.LastModifiedDate		*No*	*Yes*

c. TB_BIL_ReminderMemoHistory

Field Name	Data Type	Length	Source	Remarks	Nullable	Mandatory
IdTB_BIL_ReminderMemo	*Integer*	*N/A*	TB_BIL_ReminderMemoHistory.IdTB_BIL_ReminderMemo	***Primary Key***	*No*	*Yes*
IdTB_BIL_PaySchedule	*Integer*	*N/A*	TB_BIL_PaySchedule.TB_BIL_PayScheduleID	***Foreign Key***	*No*	*Yes*
ReminderDate	*Datetime*	*N/A*	TB_BIL_ReminderMemoHistory.ReminderDate		*Yes*	*No*
ReminderType	*Varchar*	*50*	TB_BIL_ReminderMemoHistory.ReminderType		*Yes*	*No*
Response	*Varchar*	*500*	TB_BIL_ReminderMemoHistory		*Yes*	*No*
CreatedDate	*Datetime*	*N/A*	TB_BIL_ReminderMemoHistory.CreatedDate		*No*	*Yes*
CreatedBy	*Varchar*	*50*	TB_BIL_ReminderMe		*No*	*Yes*

			moHistory.CreatedBy			
LastModifiedDate	Datetime	N/A	TB_BIL_ReminderMemoHistory.LastModifiedDate		No	Yes
LastModifiedBy	Varchar	50	TB_BIL_ReminderMemoHistory.LastModifiedBy		No	Yes

d. TB_BIL_MaintenanceDtl

Field Name	Data Type	Length	Source	Remarks	Nullable	Mandatory
IdTB_BIL_MaintenanceDtl	Integer	N/A	TB_BIL_MaintenanceDtl.IdTB_BIL_MaintenanceDtl	**Primary Key**	No	Yes
IdTB_BIL_PayScheduleDtl	Integer	N/A	TB_BIL_PayScheduleDtl.IdTB_BIL_PayScheduleDtl	**Foreign Key**	No	Yes
IdOPLAgreement	Integer	N/A	OPLAgreement.IdOPLAgreement	**Foreign Key**	No	Yes
IdHistoryMT	Integer	N/A	TB_MTN_HistoryMT.IdHistoryMT	**Foreign Key**	No	Yes
Workshop	Varchar	100	TB_BIL_MaintenanceDtl.Workshop		Yes	No
VATAmt	Decimal	18,3	TB_BIL_MaintenanceDtl.PPN_Tax		Yes	No
PPHAmt	Decimal	18,3	TB_BIL_MaintenanceDtl.PPH_Tax		Yes	No
TotalIncludeTax	Decimal	18,3	TB_BIL_MaintenanceDtl.TotalIncludeTax		Yes	No
CreatedDate	Datetime	N/A	TB_BIL_MaintenanceDetail.CreatedDate		Yes	No
CreatedBy	Varchar	50	TB_BIL_MaintenanceDetail.CreatedBy		Yes	No
LastModifiedDate	Datetime	N/A	TB_BIL_MaintenanceDetail.LastModifiedDate		Yes	No
LastModifiedBy	Varchar	50	TB_BIL_MaintenanceDetail.LastModifiedBy		Yes	No

e. TB_BIL_InvoiceReceipt

Field Name	Data Type	Length	Source	Remarks	Nullable	Mandatory
IdTB_BIL_InvoiceReceipt	Integer	N/A	TB_BIL_InvoiceReceipt.IdTB_BIL_InvoiceReceipt	**Primary Key**	No	Yes
IdTB_BIL_PayScheduleDtl	Integer	N/A	TB_BIL_PayScheduleDtl.TB_BIL_PayScheduleDtlID	**Foreign Key**	No	Yes
InvoiceNoInstalment	Varchar	50	TB_BIL_InvoiceReceipt.InvoiceNoInst		No	Yes

			alment			
ReceiptNoInstalment	*Varchar*	*50*	TB_BIL_InvoiceReceipt.ReceiptNoInstalment		*No*	*Yes*
InvoiceNoMaintenance	*Varchar*	*50*	TB_BIL_InvoiceReceipt.InvoiceNoMaintenance		*No*	*Yes*
ReceiptNoMaintenance	*Varchar*	*50*	TB_BIL_InvoiceReceipt.ReceiptNoMaintenance		*No*	*Yes*
ReceiveLetterNo	*Varchar*	*50*	TB_BIL_InvoiceReceipt.ReceiveLetterNo		*No*	*Yes*
InvoiceIssueDate	*Datetime*	*N/A*	TB_BIL_InvoiceReceipt.InvoiceIssueDate		*No*	*Yes*
MailStatus	*Integer*	*N/A*				
InvoiceStatus	*Integer*	*N/A*	TB_BIL_InvoiceReceipt.InvoiceStatus		*No*	*Yes*
DocumentType	*Varchar*	*25*	TB_BIL_InvoiceReceipt.DocumentType		*Yes*	*No*
DeliveryDate	*Datetime*	*N/A*	TB_BIL_InvoiceReceipt.DeliveryDate		*No*	*Yes*
DeliveryBy	*Varchar*	*50*	TB_BIL_InvoiceReceipt.DeliveryBy		*Yes*	*No*
DeliveryRegNo	*Varchar*	*50*	TB_BIL_InvoiceReceipt.DeliveryRegNo		*Yes*	*No*
Remarks	*Varchar*	*500*	TB_BIL_InvoiceReceipt.Remarks		*No*	*Yes*
CreatedDate	*Datetime*	*N/A*	TB_BIL_InvoiceReceipt.CreatedDate		*No*	*Yes*
CreatedBy	*Varchar*	*50*	TB_BIL_InvoiceReceipt.CreatedBy		*No*	*Yes*
LastModifiedDate	*Datetime*	*N/A*	TB_BIL_InvoiceReceipt.LastModifiedDate		*No*	*Yes*
LastModifiedBy	*Varchar*	*50*	TB_BIL_InvoiceReceipt.LastModifiedBy		*No*	*Yes*

3.9 Screen Item List

RPT.AE.1.1 Billing History Report

No.	*Content*	*Description*	*Source*	*Remarks*
1	Billing History Monthly Report	Default Label	Static	
2	Periode	Period Monthly Report	Based on selected Start Date and End Date that already select by	Format display on report: MM/dd/yyyy

	Project Code :		TM15404A	
	Project Name :		Operating Lease Support System Phase-2	

				User when print Report	
3	Page	Number of Page	Automatically count by number of page	&[page] of &[total page]
4	Printed By	Varchar	User.UserName	User Name is the one who login to system
5	Printed Date	Date	Use date server when button Print Report clicked	Format display in report: MM/dd/yyyy
6	DSF Office	Branch Short Name	TB_OPL_Branch.BranchShortName	TB_BIL_PayScheduleID.IdTb_OPL_Branch = Tb_OPL_Branch.IdTb_OPL_Branch
7	Customer Group	Group of Customer	Customer.CustomerGroup	TB_BIL_PayScheduleID.IdOPLAgreement = OPLAgreement.IdOPLAgreement AND OPLAgreement.CustomerCode = Customer.CustomerCode
8	Customer Name	Customer Name	Customer.CustomerName	TB_BIL_PayScheduleID.IdOPLAgreement = OPLAgreement.IdOPLAgreement AND OPLAgreement.CustomerCode = Customer.CustomerCode
9	Agreement Number	Agreement Number	OPLAgreement.AgreementNo	TB_BIL_PayScheduleID.IdOPLAgreement = OPLAgreement.IdOPLAgreement
10	Agreement Date	Agreement Date	OPLAgreement.AgreementDate	TB_BIL_PayScheduleID.IdOPLAgreement = OPLAgreement.IdOPLAgreement
11	Invoice Issue Date	Invoice Created Date	TB_BIL_PayScheduleDtl.InvoiceIssueDate	
12	End Usage Unit Date	End Usage Unit Date	OPLAgreement.EndPeriod	TB_BIL_PayScheduleID.IdOPLAgreement = OPLAgreement.IdOPLAgreement
13	Total Billing Amount	Total Billing Amount	TB_BIL_PayScheduleDtl.BillingAmt	
14	Total Billing Maintenance	Total Billing Maintenance	TB_BIL_MaintenanceDetail.ServiceCost	Sum(TB_BIL_MaintenanceDetail.ServiceCost)
15	Total Breakdown	Total Breakdown	TB_BIL_PayScheduleDtl.BreakdownAmt	
16	Previous Promise to Pay	Date of previous promise to pay	TB_BIL_PayScheduleDtl.PTPDatePrev	
17	Current Promise to Pay	Date of current promise to pay	TB_BIL_PayScheduleDtl.PTPDate	
18	Last Modified By	Last Modified By User of Billing Data	TB_BIL_PayScheduleDtl.LastModifiedBy	
19	Last Modified Date	Last Modified Date of Date	TB_BIL_PayScheduleDtl.LastModifiedDate	

	Project Code :	TM15404A
	Project Name :	Operating Lease Support System Phase-2

No.	Content	Description	Source	Remarks
20	Mail Status	Status of delivery invoice by email	TB_BIL_InvoiceReceipt.MailStatus	TB_BIL_InvoiceReceipt.IdTB_BIL_PayScheduleDtl = TB_BIL_PayScheduleDtl.IdTB_BIL_PayScheduleDtl
21	Invoice Status	Status of Invoice	TB_BIL_InvoiceReceipt.InvoiceStatus	TB_BIL_InvoiceReceipt.IdTB_BIL_PayScheduleDtl = TB_BIL_PayScheduleDtl.IdTB_BIL_PayScheduleDtl

Note:

Content number 2,3,19,20,21 will be page header format and will be printed in every page.

Print Preview

RPT.AE.1.2 Reminder Memo History Report

No.	Content	Description	Source	Remarks
1	File Name	Varchar	System Automatic generate	Reminder Memo History Report_MMddyyyy_hhmm where MMddyyyy and hhmm is the time when button Print Report is clicked
2	Report Title	Varchar	System defined	Reminder Memo History Report

3	Periode	Varchar	Start and End period at Search Criteria text field	
4	Agreement Number	Varchar	OPLAgreement.AgreementNo	TB_BIL_ReminderMemoHistory. TB_BIL_PayScheduleID = TB_BIL_PaySchedule.TB_BIL_PayScheduleID and TB_BIL_PayScheduleID.IdOPLAgreement = OPLAgreement.IdOPLAgreement
5	Customer Name	Varchar	Customer.CustomerName	TB_BIL_PaySchedule.TB_BIL_PayScheduleID and TB_BIL_PayScheduleID.IdOPLAgreement = OPLAgreement.IdOPLAgreement AND OPLAgreement.CustomerCode = Customer.CustomerCode
6	Reminder Date	Reminder Date	Tb_BIL_ReminderMemoHistory.ReminderDate	
7	Reminder Type	Reminder Type	Tb_BIL_ReminderMemoHistory.ReminderType	
8	Reminded By	Reminded By	Tb_BIL_ReminderMemoHistory.RemindedBy	
9	Response	Response	Tb_BIL_ReminderMemoHistory.Response	
10	Page	Varchar	Automatically count by number of page	Formula: N of X : where N is the current page and X is the total page of documents
11	Printed By	Varchar	User.UserName	Formula: Username is the one who login at system and click the Print Report button
12	Printed Date	Date	Use date in application server when button Print Report is clicked	Format display in report: MM/dd/yyyy

Note:

Content number 2,3,19,20,21 will be page header format and will be printed in every page.

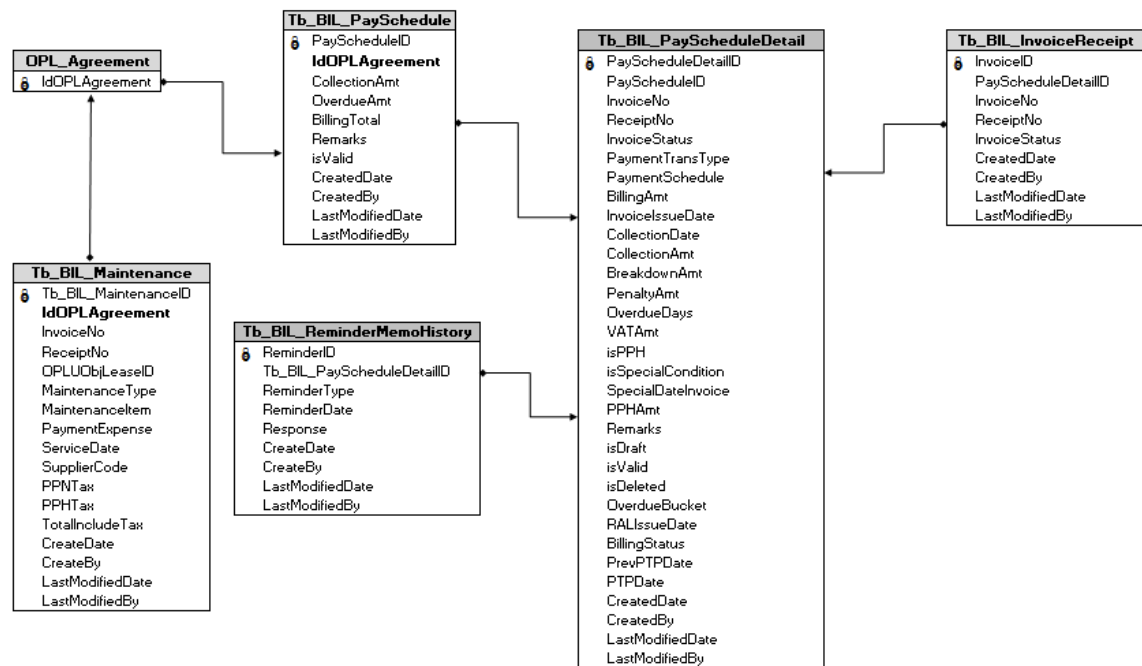| Project Code :	TM15404A
Project Name :	Operating Lease Support System Phase-2

Print Preview

Project Code :	TM15404A
Project Name :	Operating Lease Support System Phase-2

3.10 Entity Relationship Diagram

Project Code :	TM15404A
Project Name :	Operating Lease Support System Phase-2

APPENDIX

Configuration Access for Monitor Billing Schedule:

User	Branch	Functions					
		Display List	Create	Edit	View	Print Form	Print Report
PIC Collection	One	V	V	V	V	V	V
	Area						
	All						
Head of Branch	One	V			V	V	V
	Area						
	All						
Head of Department	One						
	Area						
	All	V			V	V	V
Regional Manager	One						
	Area	V			V	V	V
	All						
Advisor	One						
	Area						
	All	V			V	V	V
Director	One						
	Area						
	All	V			V	V	V
President Director	One						
	Area						
	All	V			V	V	V
Shareholder's Meeting	One						
	Area						
	All	V			V	V	V

Legend:

V = Have the access