Operating Lease Support System Phase-2 Project for

DIPO STAR FINANCE
Solusi Kredit Otomotif Terpercaya

Functional Specification
FC.AE.1.1
Billing Creation

Revision 2.0

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15/01/2016	0.0	Initialization	Amal Hamzah
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Project Code :	TM15404A
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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.

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Functional Specification

1 Introduction

1.1 Purpose

Functional Specification is a document to describe the detail of functions system which includes screen design, report 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.1.1 Create Billing

Here are the scope for AE.1.1 Create Billing:

1. **AE.1.1.1 Create Billing Schedule**

   To generate billing schedule automatically when agreement has already activated

2. **AE.1.1.11 Edit Billing**

   To modify billing

3. **AE.1.1.4 Create Billing**

   To update monthly billing before create invoice

4. **AE.1.1.9 Print Invoice**

   To create invoice of instalment, receipt and invoice of maintenance

5. **AE.1.1.10 Monitor Invoice Approval Process**

   To monitor approval process of invoice

6. **AE.1.1.7 Input Payment Billing**

   To monitor billing payment schedule before due date

<u>Output from this functions is:</u>

1. RPT.AE.1.1 Billing History report
2. PF.AE.1.1 Invoice and Receipt

1.3 Definition, Acronyms, and Abbreviations

2. OPL = Operating Lease
3. Due Date = End Usage Unit Date + TOP
4. TOP = Term Of Payment
5. RAL = Return Authorization Letter (Surat Kuasa Penarikan Unit)
6. BAST = Berita Acara Serah Terima (Handover Report)

7. DSF = Dipo Star Finance
8. HO = Head Office
9. HOB = Head of Branch
10. HOD = Head of Department
11. PIC = Person in Charge
12. Receipt = Kwitansi
13. Notification Letter (Surat Pemberitahuan)
14. Warning Letter (Surat Peringatan)
15. Receive Letter (Surat Tanda Terima)

1.1 References

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

1. AE.1.1 Billing Creation

2 Configuration

Here will be described the format of Invoice, Receipt and Receive Letter document which will be generated when PIC Collection click Save as Draft button. The format of these document numbers are:

No. Invoice Installment : 00001/INV/CABANG/MONTH/YEAR

No. Receipt : 00001/KW/CABANG/MONTH/YEAR

No. Invoice Maintenance : 00001/CSD-INV/CABANG/MONTH/YEAR

No. Maintenance Receipt : 00001/CSD-KW/CABANG/MONTH/YEAR

No. Receive Letter (Surat Tanda Terima) : 00001/OPL/TTD/CABANG/MONTH/YEAR

Description:

- The first 5 digits show the sequence number of the Invice, Receipt and RAL documents. This number will increments whenever new Invoice, Receipt and RAL documents is created.
- The code on 3 digits for:
  1. INV represents Instalment Invoice document
  2. KW represents Receipt document
  3. CSD-INV represents Maintenance Invoice document
  4. CSD-KW represents Maintenance Receipt document
  5. OPL/TTD represents Receive Letter (Surat Tanda Terima)
- The code 'CABANG' will be substituted by OPL Branch's code
- The code 'MONTH' will be substituted by 2 digits of month when the document created.
- The code 'YEAR' will be substituted by 4 digits of year when the document is created.

3 Specification Detail: FC.AE.1.1 Billing Creation

3.1 Purpose

Screen of Billing Creation will be used by PIC Collection to generate billing schedule, edit billing, create/print invoice, convert invoice to excel/pdf and input payment history on monthly base.

This function covered by **"Billing Creation"** screen

3.2 Screen of Configuration Access

Here are the access rights for **"Billing Creation"** screen users:

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

Legend: v = Have the Access

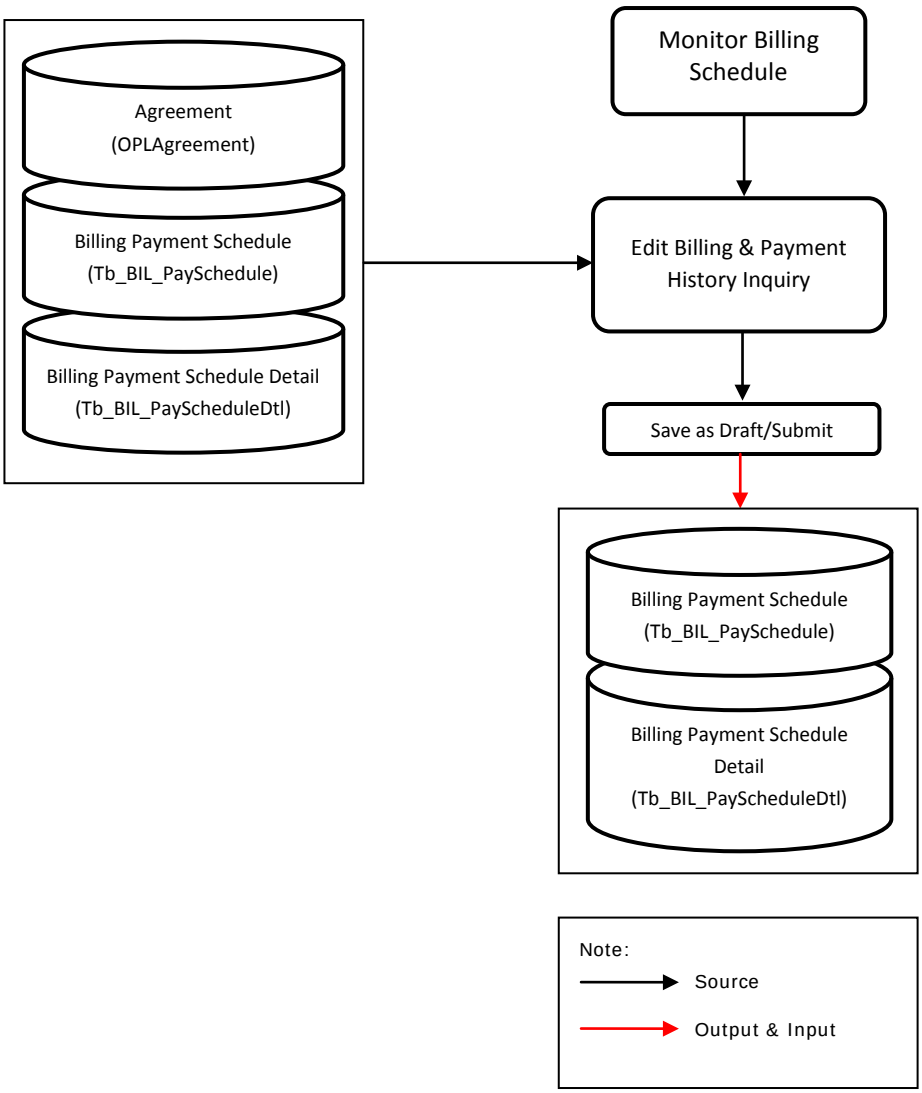
Note:
1. Create: related to creation of billing schedule and invoice
2. Read: related to read display data billing schedule and invoice
3. Update: related to update data billing schedule and invoice
4. Print: related to print data of invoice
5. Authorization: related to approval process of invoice

3.3 Screen Functionality

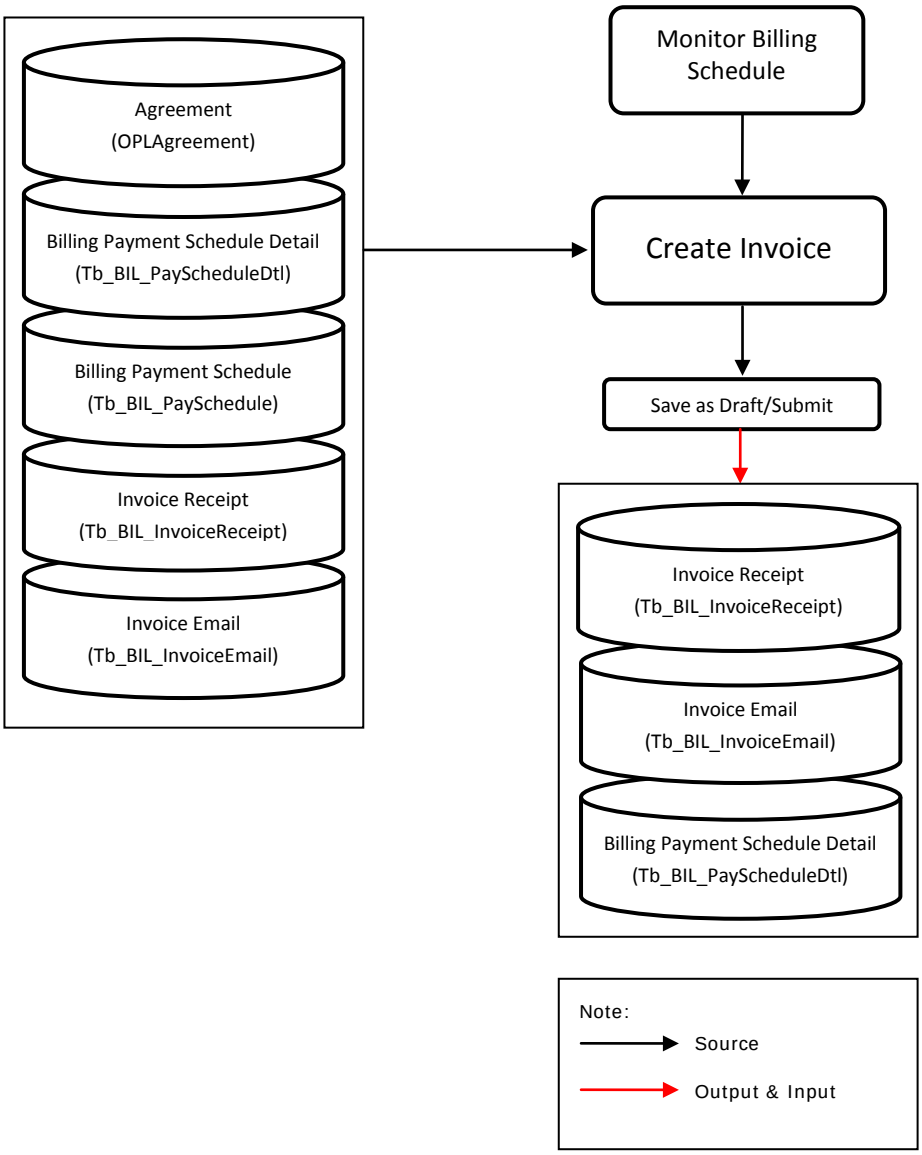
1. Generate Billing Schedule automatically
2. Update Billing Schedule
3. Create Invoice
4. Monitor Invoice Approval Process
5. Print List of Invoice
6. Print Installment Invoice, Installment Receipt, Maintenance Invoice, Maintenance Receipt and Receive Letter
7. Input Payment Billing

3.4 Operation Flow

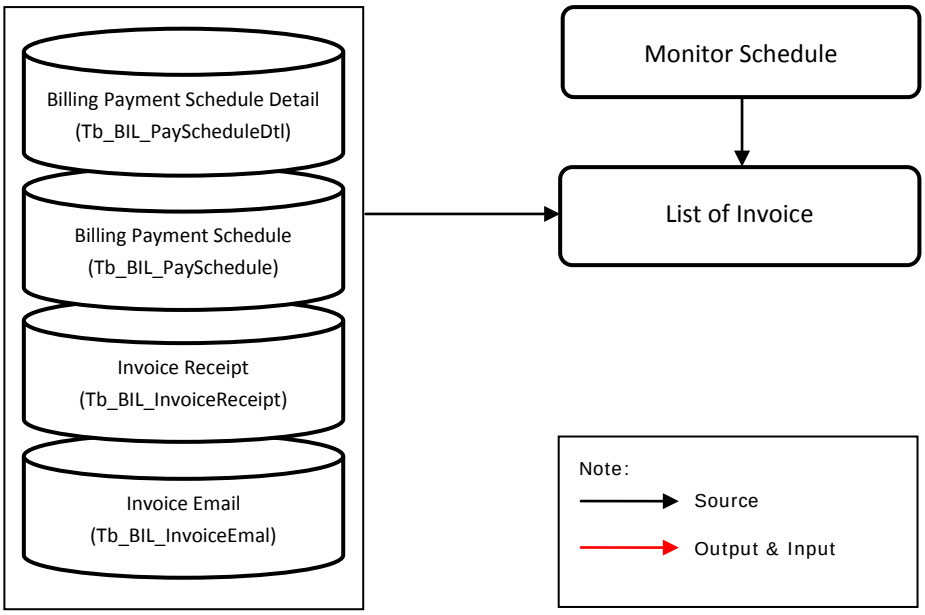
Below is operation flow for Edit Billing & Payment History Inquiry (on TBD was Edit Billing) process refer to **To Be Design Document Billing Collection**, AE.1.1. Billing Creation Schedule:

Roles	Edit Billing & Payment History Inquiry
PIC Billing	

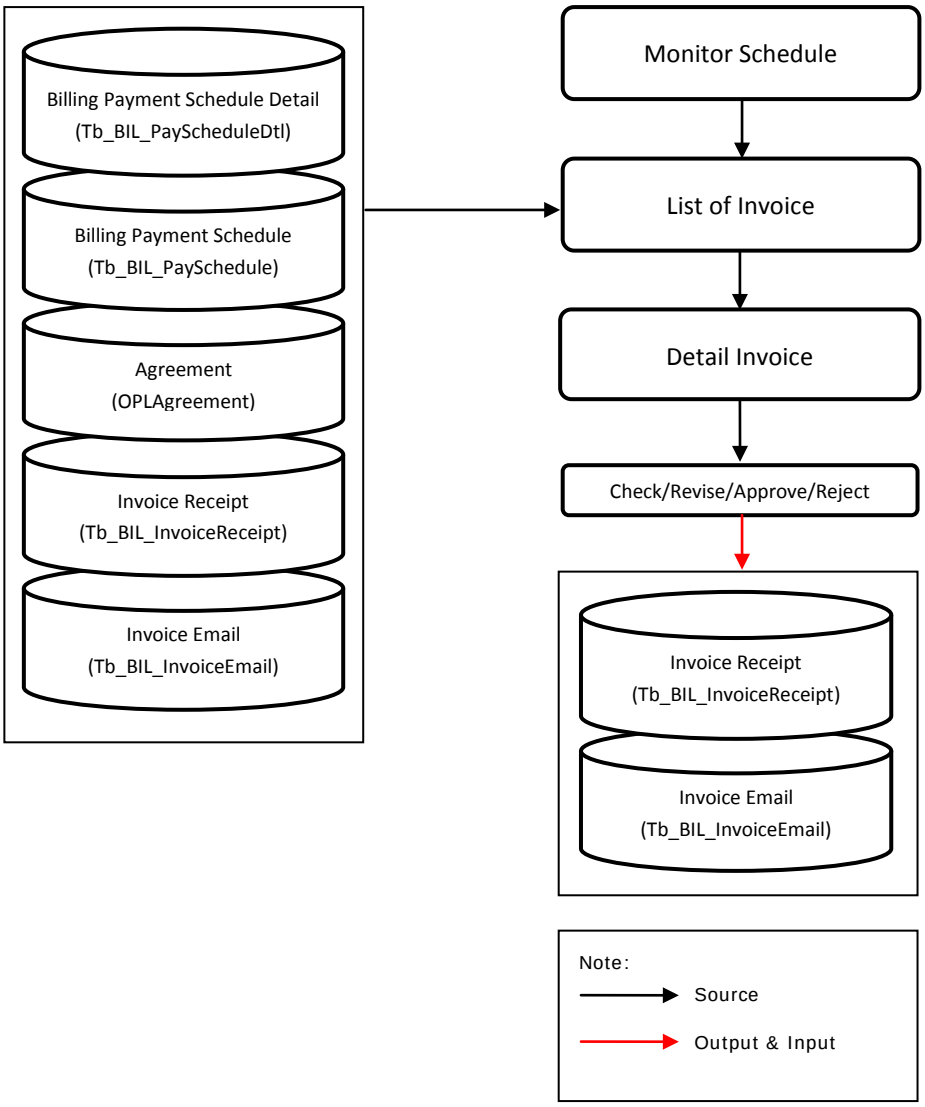
Below is operation flow for Create Invoice process refer to **To Be Design Document Billing Collection**, AE.1.1. Billing Creation Schedule:

Roles	Create Invoice
PIC Billing	

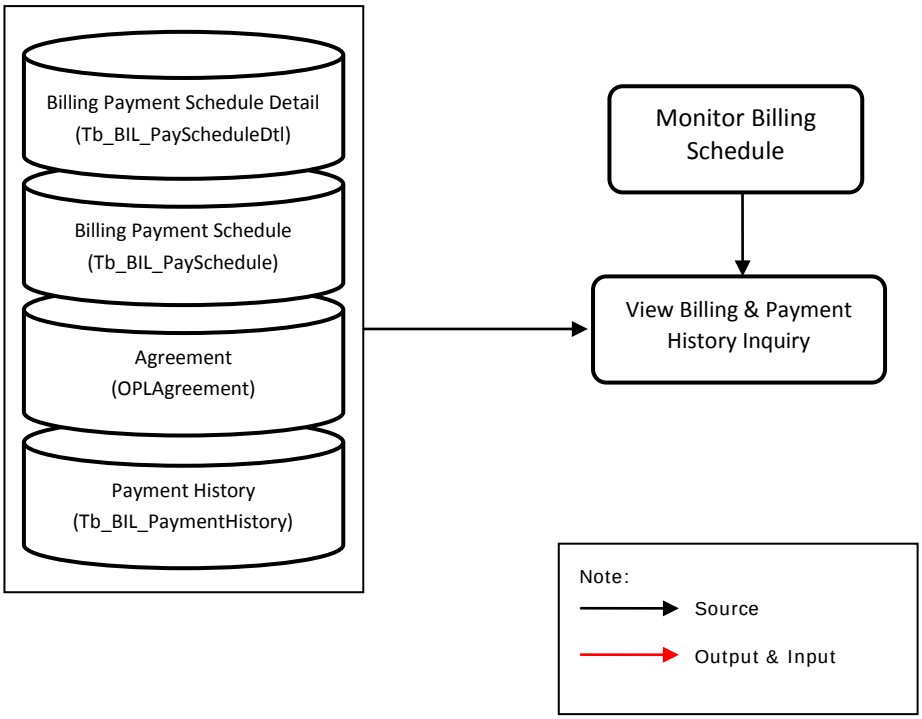
Below is operation flow for Monitor Invoice Approval process refer to **To Be Design Document Billing Collection**, AE.1.1. Billing Creation Schedule:

Roles	Monitor Invoice Approval
PIC Billing	

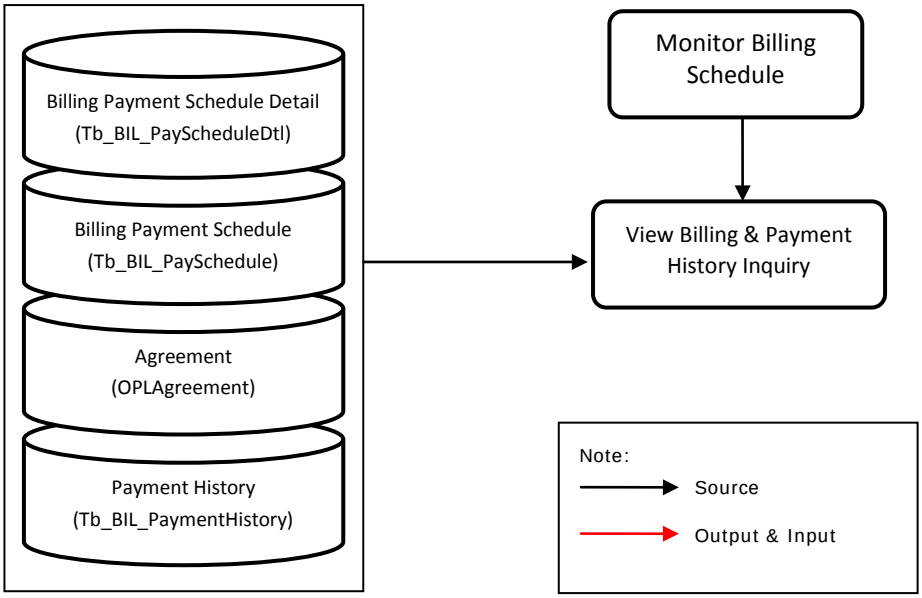
Below is operation flow for View Invoice Approval Status process refer to **To Be Design Document Billing Collection**, AE.1.1. Billing Creation Schedule:

Roles	Check/Revise/Approve Invoice
PIC Billing	

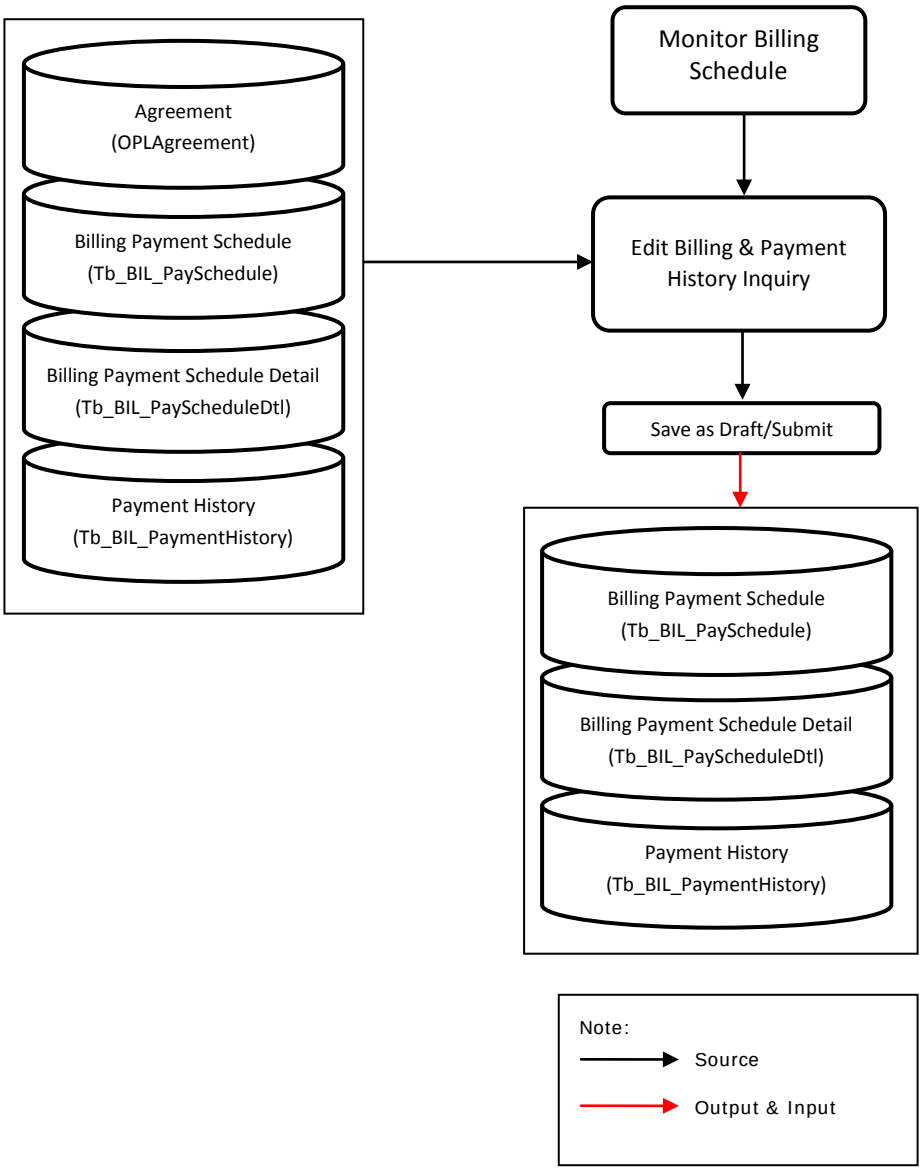
Below is operation flow for View Billing & Payment History Inquiry process refer to **To Be Design Document Billing Collection**, AE.1.1. Billing Creation Schedule:

Roles	Show in View Billing & Payment History Inquiry
PIC Billing	

Below is operation flow for Add Billing & Payment History Detail process refer to **To Be Design Document Billing Collection**, AE.1.1. Billing Creation Schedule:

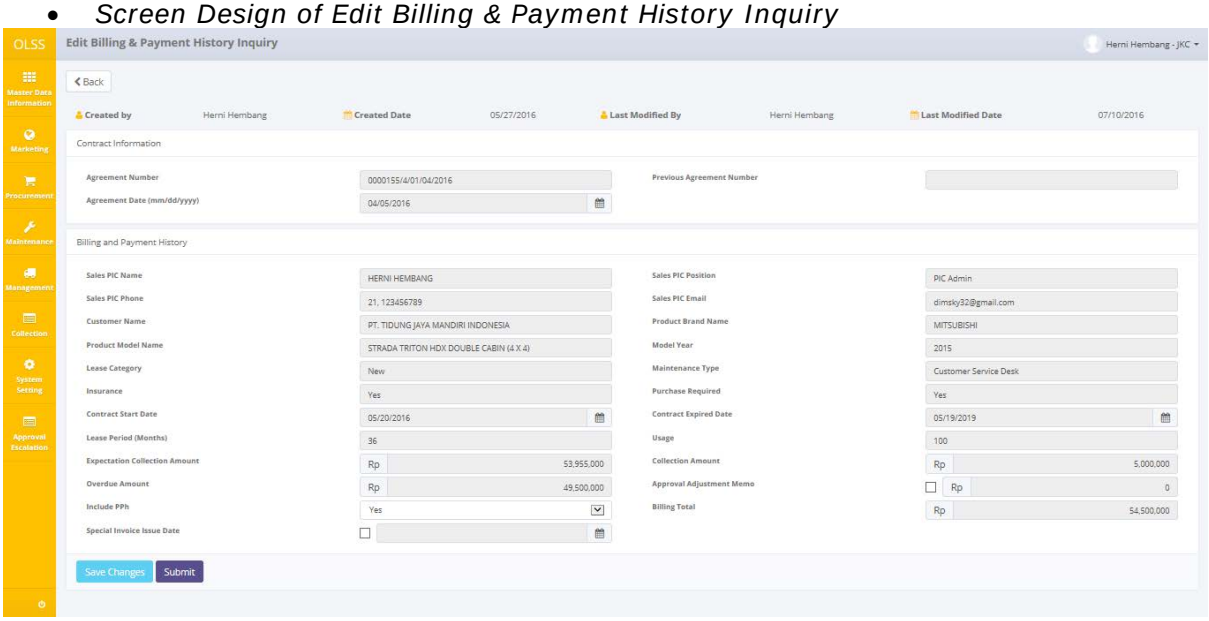
Roles	Add Billing & Payment History Detail
PIC Billing	

Below is operation flow for Edit Billing & Payment History Detail process refer to **To Be Design Document Billing Collection**, AE.1.1. Billing Creation Schedule:

Roles	Edit Billing & Payment History Inquiry
PIC Billing	

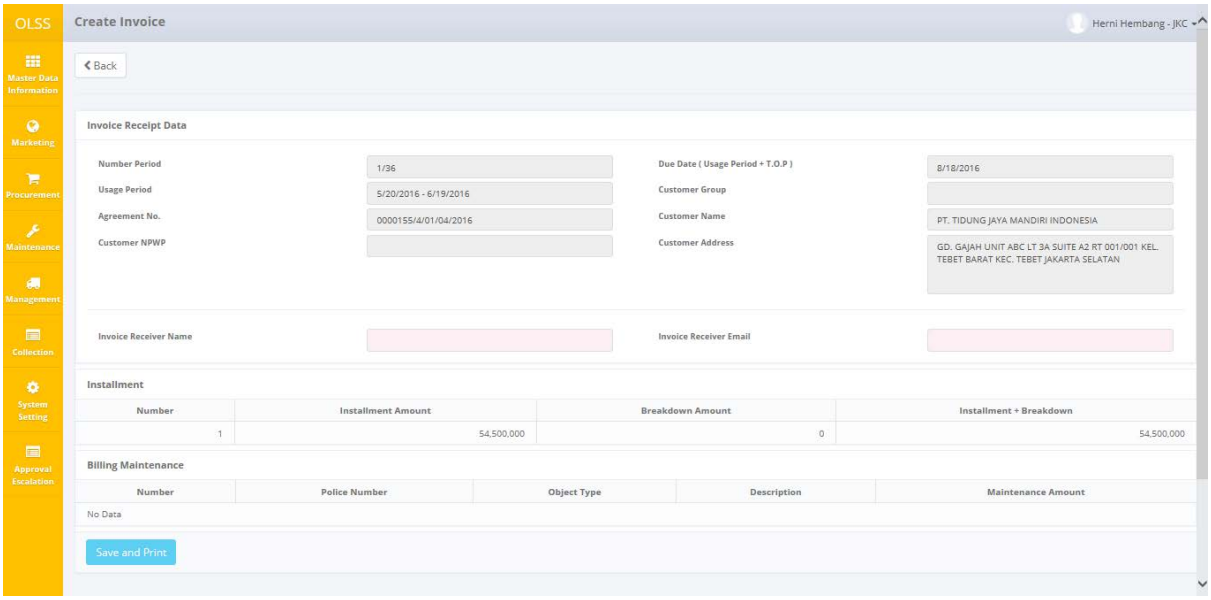
3.5 Screen Design

- *Screen Design of Edit Billing & Payment History Inquiry*



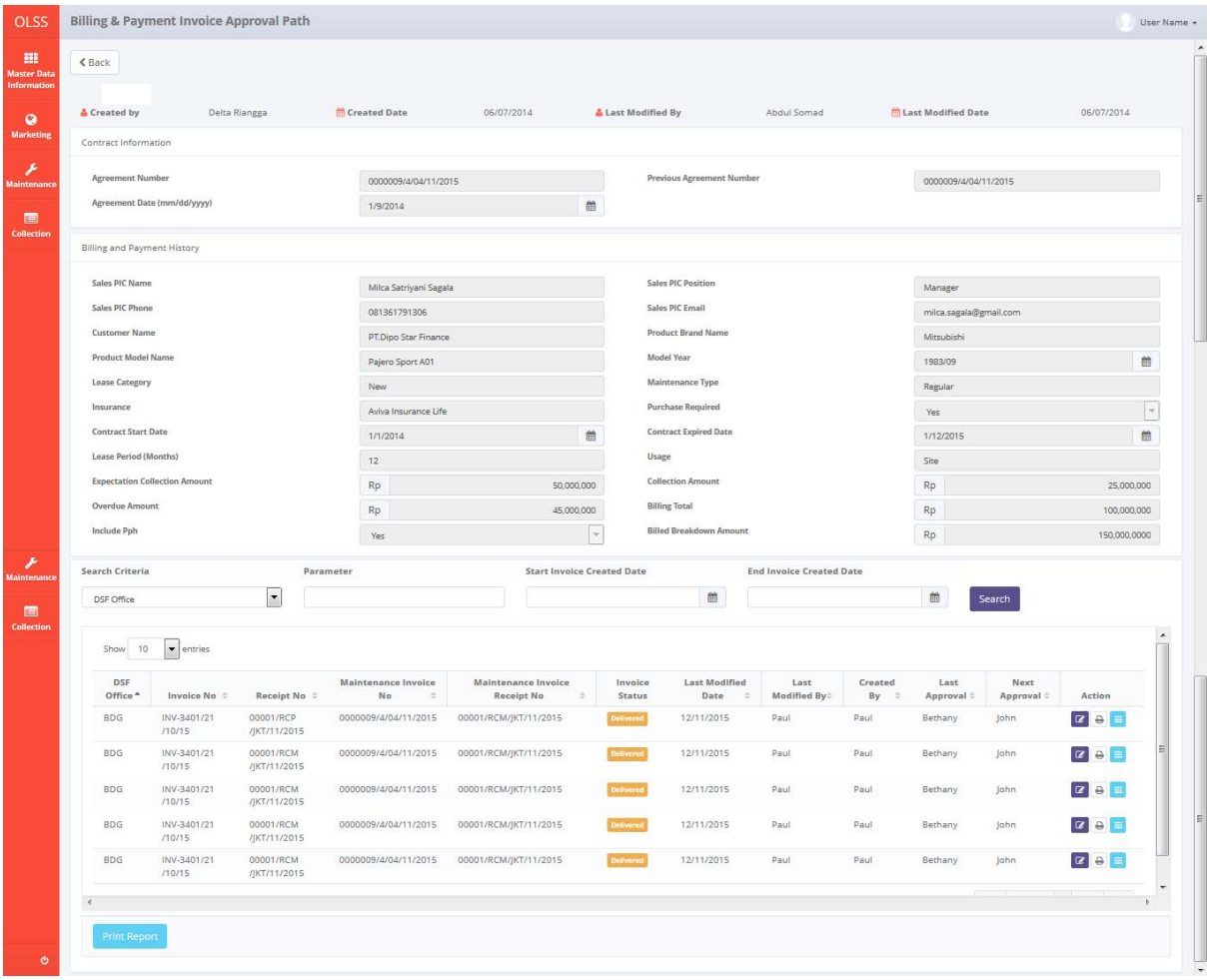
Screen 1. Edit Billing & Payment History Inquiry

- *Screen Design of Create Invoice*



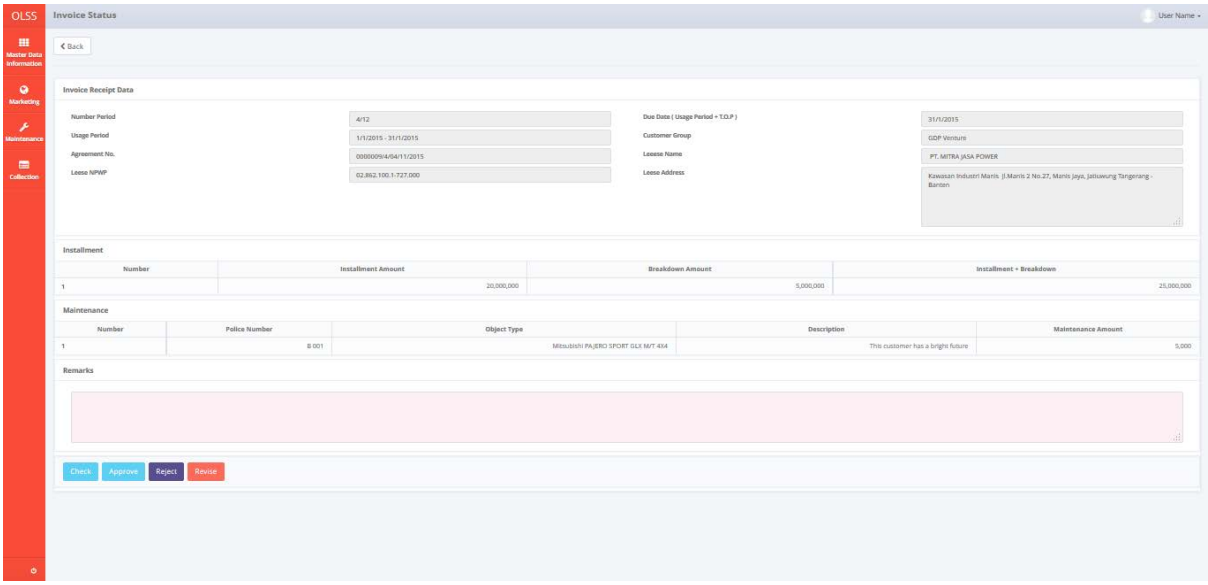
Screen 2. Create Invoice

- *Screen Design of List Invoice Status Approval*



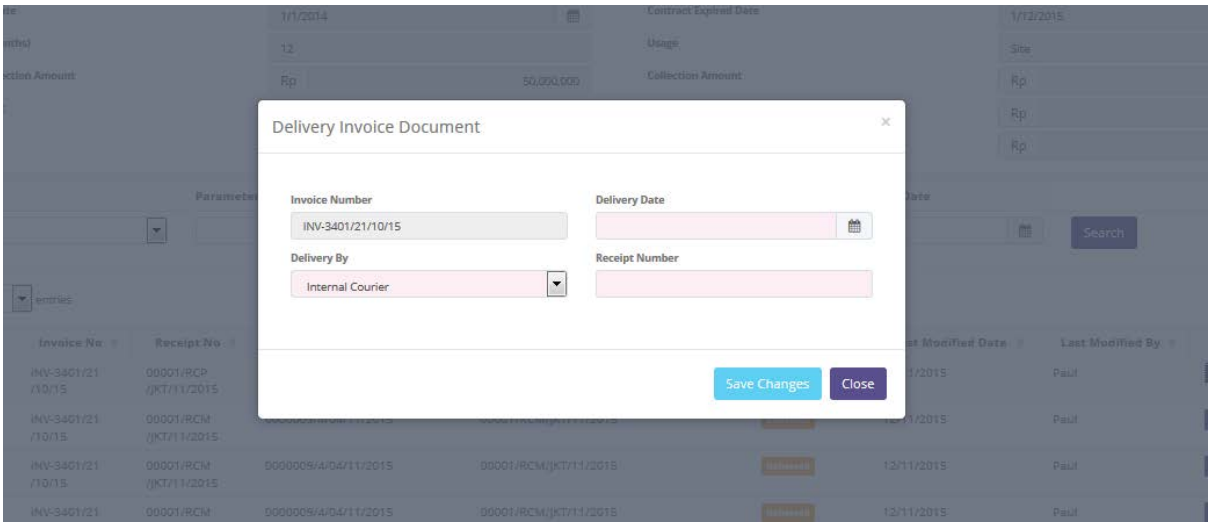
Screen 3. List of Invoice Status Approval

- *Screen Design of View Invoice Status Approval*



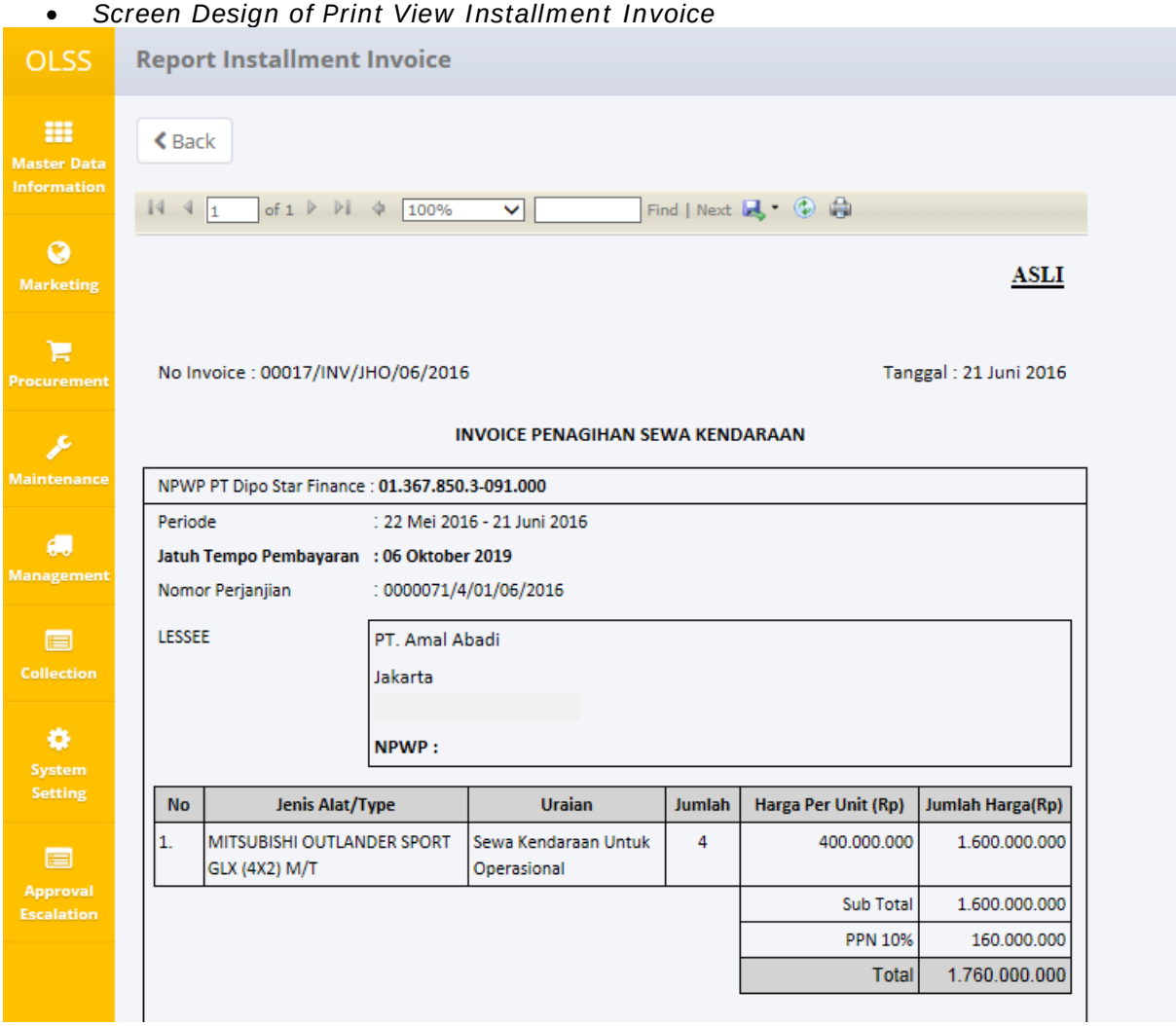
Screen 4. Invoice Status Approval

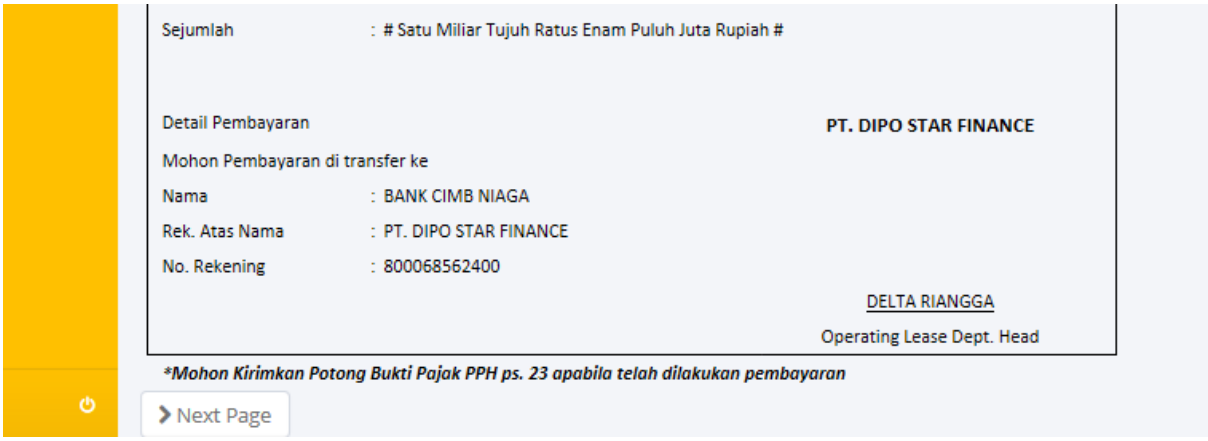
- *Screen Design of Edit Delivery Invoice Pop Up Screen*



Screen 5. Edit Delivery Invoice Pop Up Screen

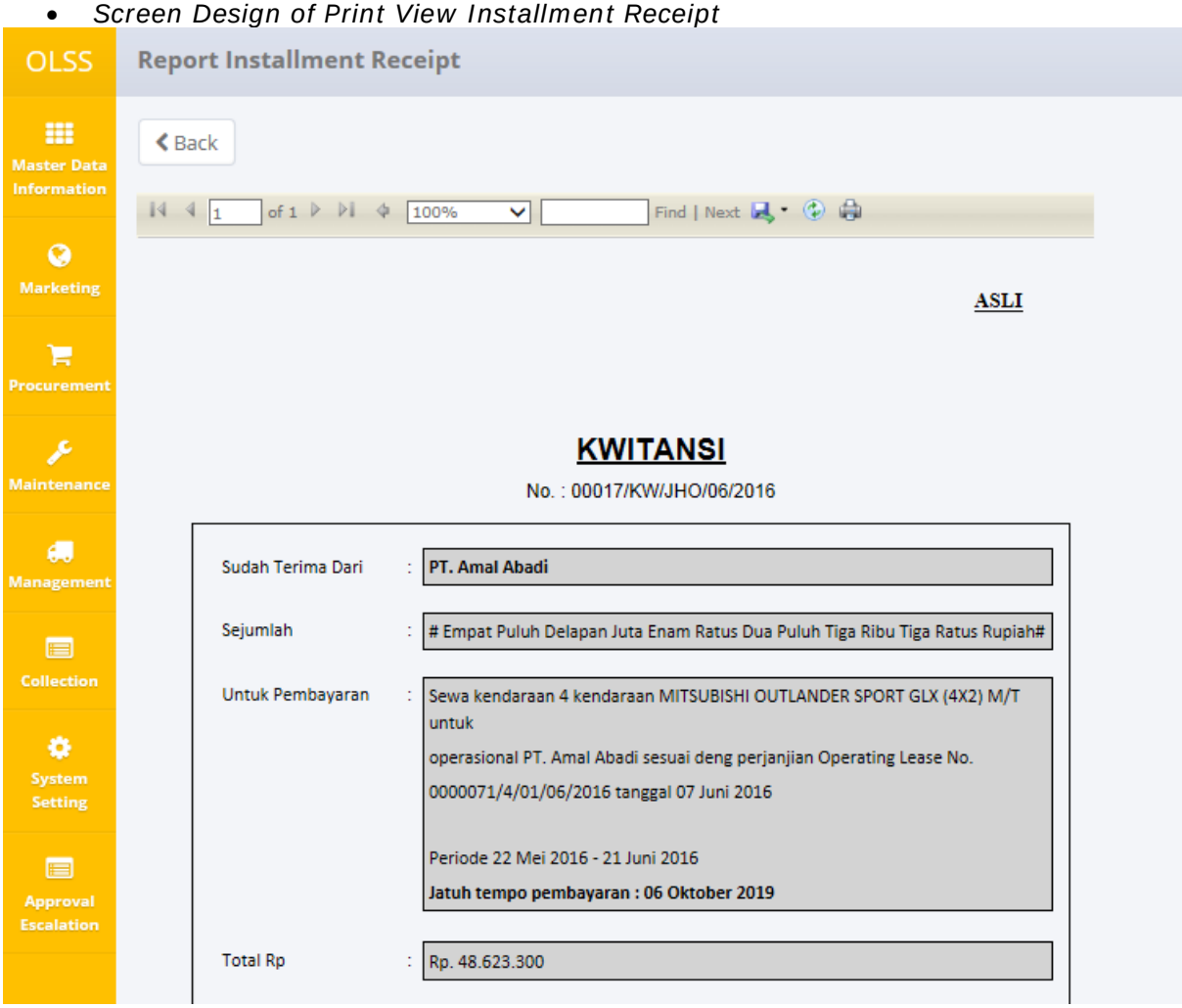
- *Screen Design of Print View Installment Invoice*

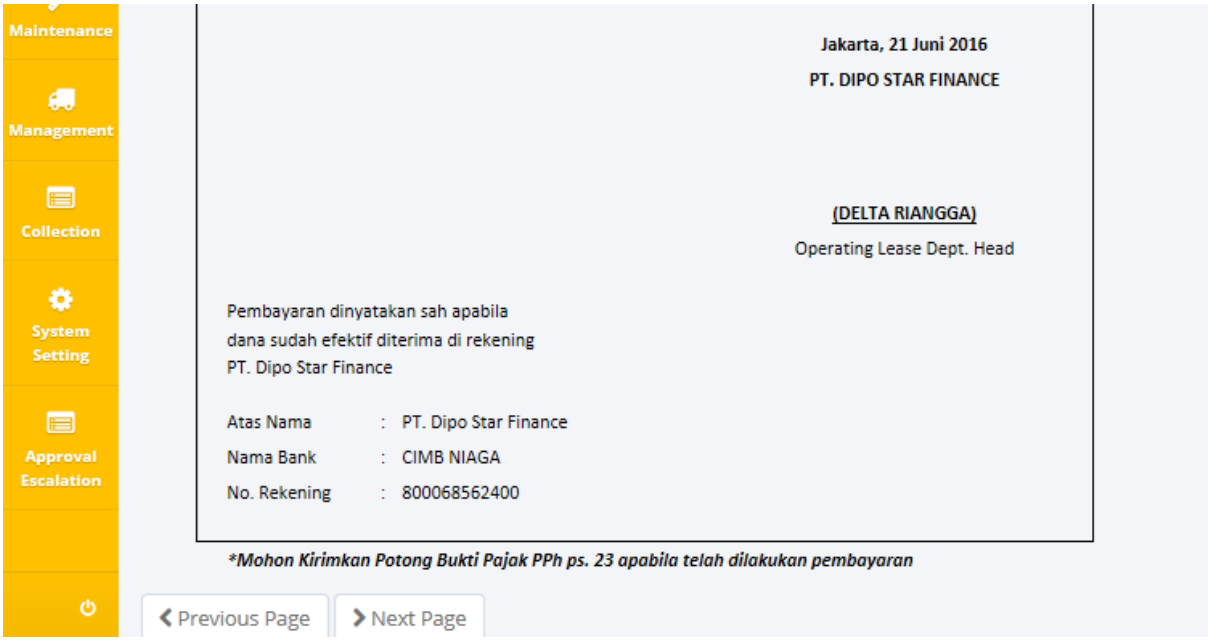




Screen 6. Installment Invoice

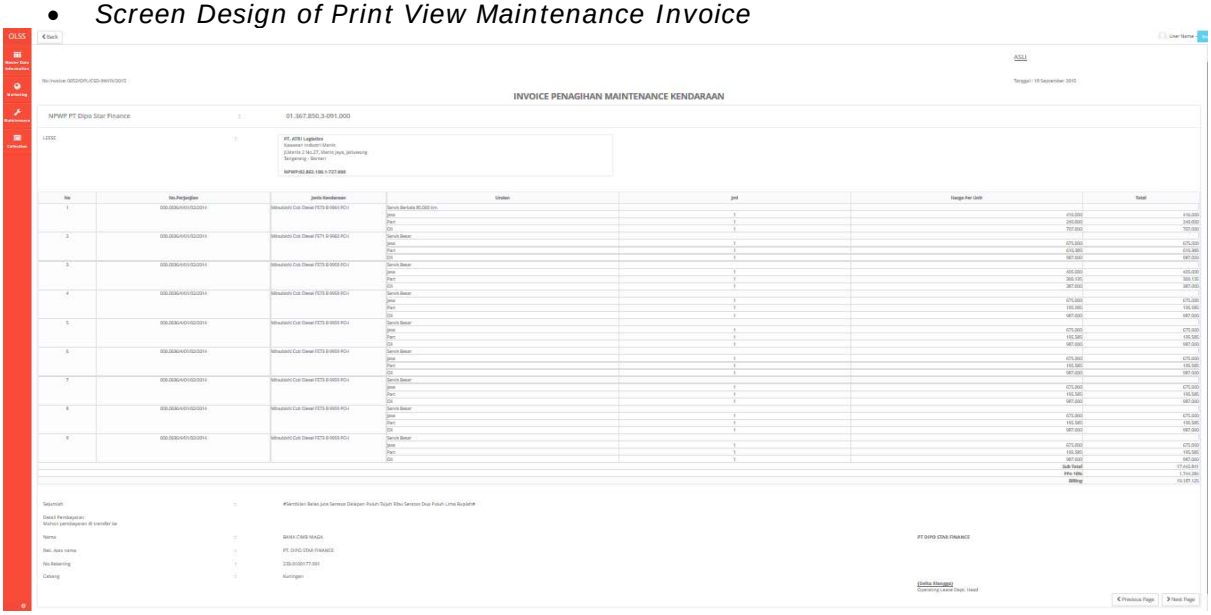
- *Screen Design of Print View Installment Receipt*





Screen 7. Installment Receipt

- *Screen Design of Print View Maintenance Invoice*

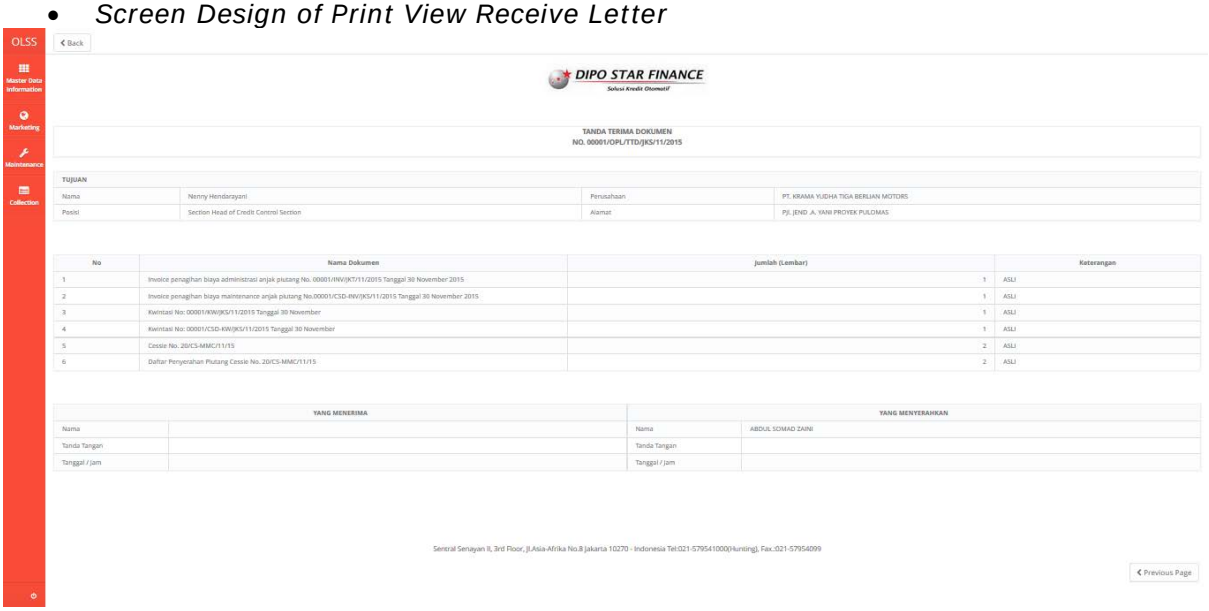


Screen 8. Maintenance Invoice

- *Screen Design of Print View Maintenance Receipt*

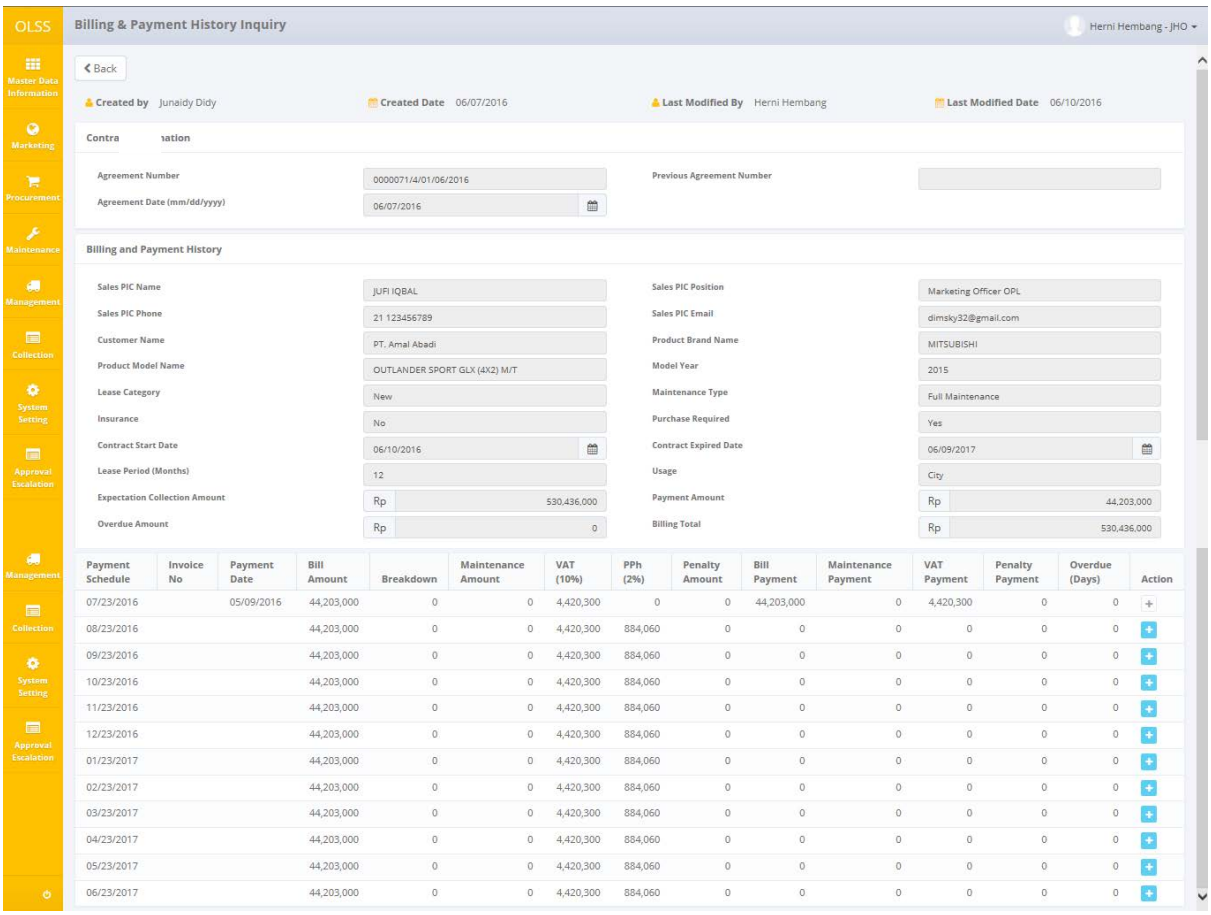
Screen 9. Maintenance Receipt

- *Screen Design of Print View Receive Letter*



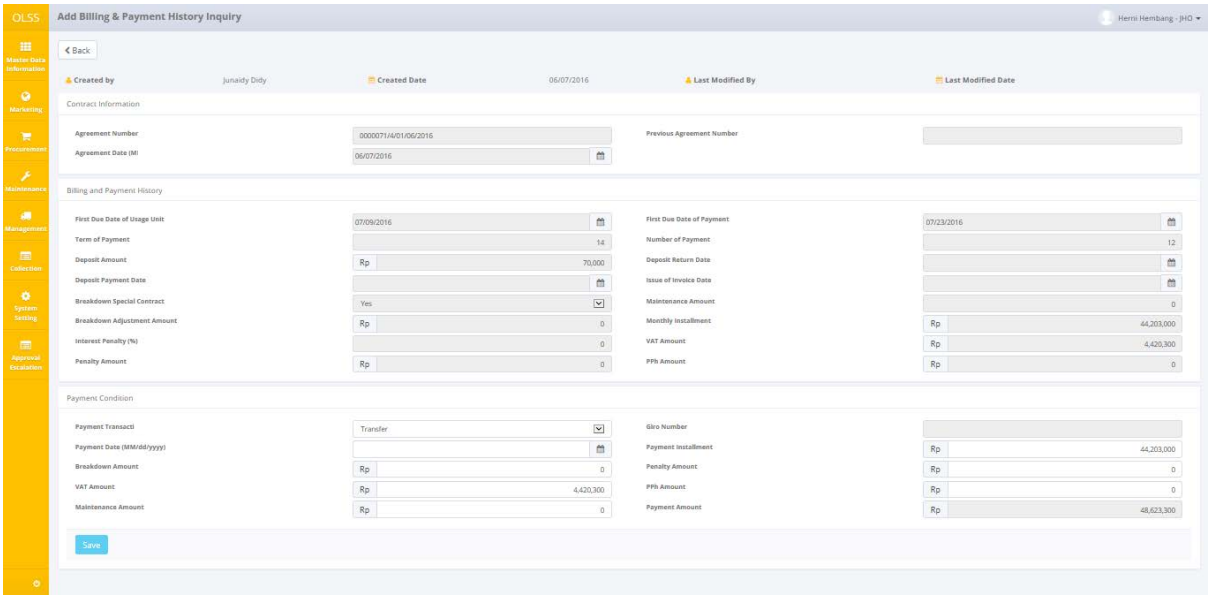
Screen 10. Receive Letter

- *Initial Screen View Billing & Payment History Inquiry*



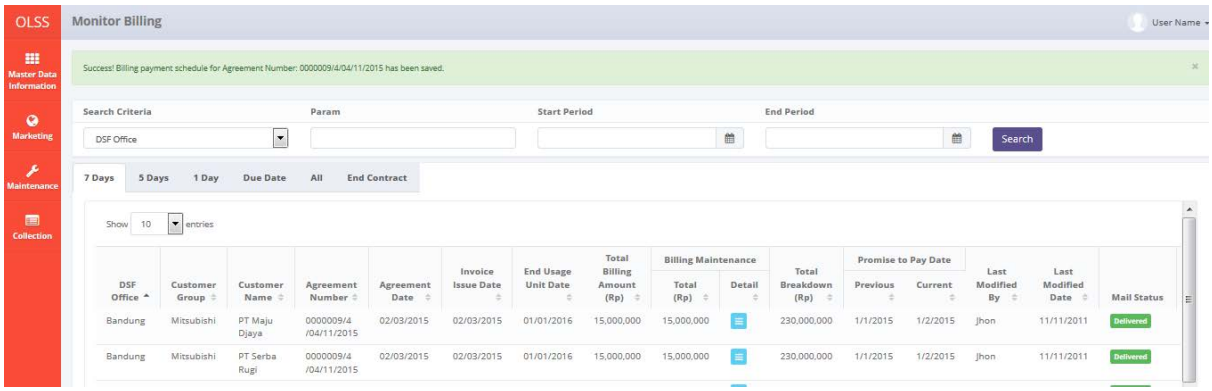
Screen 11. View Billing & Payment History Inquiry

- *Screen Design of Add Billing & Payment History Detail*

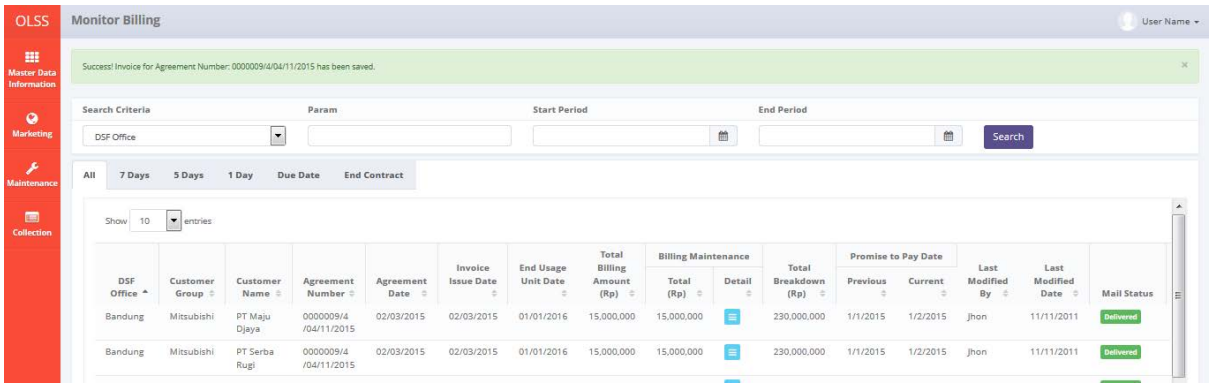


Screen 12. Add Billing & Payment History Detail

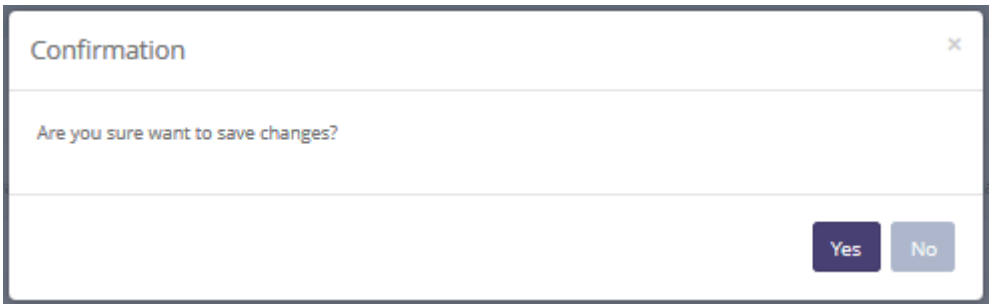
- *Notification: Success! Your data Agreement Number: xxx has been saved after click on button Save as Draft, Save Changes, Submit, Check, Revise, Approve and Reject Billing & Payment History Inquiry*



- *Notification: Success! Your data Agreement Number: xxx has been saved after click on button Save as Draft, Save Changes, Submit, Check, Revise, Approve and Reject Invoice*



- *Confirmation Pop Up Screen after click on button Save as Draft Billing & Payment History Inquiry and Invoice*



3.6 Component Screen Functionality

a. Edit Billing & Payment History Inquiry

Here are the screen functions from each component in **Screen 1. Edit Billing & Payment History Inquiry**:

No	Component	Name	Function
Header			
1	Label	Billing & Payment History Inquiry	Edit Billing & Payment Title
2	Button	Back	Back to previous screen
Agreements Data			
3	Text Field	Agreement Number	To display agreement number
4	Text Field	Previous Agreement Number	To display previous agreement number
5	Date Picker	Agreement Date	To display agreement date
Billing and Payment History			
6	Text Field	Sales PIC Name	To display sales PIC name
7	Text Field	Sales PIC Position	To display sales PIC position
8	Text Field	Sales PIC Phone	To display sales PIC phone
9	Text Field	Sales PIC Email	To display sales PIC email
10	Text Field	Customer Name	To display customer name
11	Text Field	Product Brand Name	To display product brand name
12	Text Field	Product Model Name	To display Product model name
13	Text Field	Model Year	To display model year
14	Text Field	Lease Category	To display lease category
15	Text Field	Maintenance Type	To display maintenance type
16	Text Field	Insurance	To display insurance
17	Text Field	Purchase Required	To display purchase required
18	Date Picker	Contract Start Date	To display contract start date
19	Date Picker	Contract Expired Date	To display contract expired date
20	Text Field	Lease Period	To display lease period
21	Text Field	Usage	To display usage place
22	Text Field	Expectation Collection Amount	To display expectation collection amount
23	Text Field	Collection Amount	To display collection amount
24	Text Field	Overdue Amount	To display overdue amount

25	Check Box	Approval Adjustment Memo	To input approval adjustment memo status by checking the checkbox
26	Text Field	Approval Adjustment Memo	To input approval adjustment memo amount
27	Drop Down Box	Include PPh	To input include PPh option
28	Text Field	Billing Total	To display billing total
29	Check Box	Special Invoice Issue Date	To choose whether invoice issue date can be adjusted
30	Date Picker	Special Invoice Issue Date	To select the date of invoice issue date
Footer			
31	Button	Save Changes	To save the changes form
32	Button	Submit	To submit change data

b. Create Invoice

Here are the screen functions from each component in **Screen 2. Create Invoice**:

No	*Component*	*Name*	*Function*
Header			
1	Label	Create Invoice	Create Invoice Title
2	Button	Back	Back to previous screen
Agreements Data			
3	Text Field	Number Period	To display agreement number
4	Text Field	Due Date	To display previous agreement number
5	Text Field	Usage Period	To display agreement date
6	Text Field	Customer Group	To display customer group
7	Text Field	Agreement No	To display agreement number
8	Text Field	Customer Name	To display customer name
9	Text Field	Customer NPWP	To display customer NPWP
10	Text Field	Custoemr Address	To display customer address
11	Text Field	Invoice Receiver Name	To input invoice receiver name
12	Text Field	Invoice Receiver Email	To invoice receiver email
13	Label	Installment Amount	To input installment amount
14	Label	Breakdown Amount	To input breakdown amount
15	Label	Installment + Breakdown	To input installment + breakdown amount

16	Label	Police Number	To input police number of the unit
17	Label	Object Type	To input object type
18	Label	Description	To input description of maintenance
19	Label	Maintenance Amount	To input maintenance amount
20	Button	Save and Print	To save invoice data and print preview of invoice

c. List of Invoice Status Approval

Here are the screen functions from each component in **Screen 3. List of Invoice Status Approval**:

No	Component	Name	Function
Header			
1	Label	Billing & Payment Invoice Approval Path	Billing & Payment Invoice Approval Path Title
2	Button	Back	Back to previous screen
Contract Information			
3	Text Field	Agreement Number	To display agreement number
4	Text Field	Previous Agreement Number	To display previous agreement number
5	Date Picker	Agreement Date	To display agreement date
Billing and Payment History			
6	Text Field	Sales PIC Name	To display sales PIC name
7	Text Field	Sales PIC Position	To display sales PIC position
8	Text Field	Sales PIC Phone	To display sales PIC phone
9	Text Field	Sales PIC Email	To display sales PIC email
10	Text Field	Customer Name	To display customer name
11	Text Field	Product Brand Name	To display product brand name
12	Text Field	Product Model Name	To display product model name
13	Text Field	Model Year	To display product model year
14	Text Field	Lease Category	To display lease category
15	Text Field	Maintenance Type	To display maintenance type of unit
16	Text Field	Insurance	To display insurance of unit
17	Text Field	Purchase Required	To display purchase required

18	Date Picker	Contract Start Date	To display contract/agreement start date
19	Date Picker	Contract Expired Date	To display contract/agreement expired date
20	Text Field	Lease Period (Month)	To display lease period in month
21	Text Field	Usage	To display usage of unit on contract/agreement
22	Text Field	Expectation Collection Amount	To display expectation collection amount
23	Text Field	Collection Amount	To display total of collection amount
24	Text Field	Overdue Amount	To display total of Overdue amount
25	Text Field	Billing Total	To display billing total of contract/agreement
26	Drop Down Box	Include PPh	To display the option of include PPh
27	Text Field	Billed Breakdown Amount	To display billed breakdown amount
Search Criteria			
28	Drop down Box	Search Criteria	To select category for searching invoice data
29	Text Field	Parameter	To input parameter for searching invoice data
30	Date Picker	Start Invoice Created Date	To input start period based on issue date of invoice
31	Date Picker	End Invoice Created Date	To input end period based on issue date of invoice
32	Button	Search	To search invoice data based on selected criteria
Invoice Status Approval List			
33	Label	DSF Office	To display DSF Office Branch
34	Label	Invoice No	To display invoice number
35	Label	Receipt No	To display receipt number
36	Label	Maintenance Invoice No	To display maintenance invoice number
37	Label	Maintenance Receipt No	To display maintenance receipt number
38	Label	Invoice Status	To display latest invoice status
39	Label	Last Modified Date	To display the date when invoice document last modification
40	Label	Last Modified By	To display name of user who has last the invoice document
41	Label	Created By	To display name of user who create the invoice document
42	Label	Last Approval	To display name of user who conduct last approve the invoice document
43	Label	Next Approval	To display name of user who conduct next approve the invoice document

44	Label	Action	To display action button
45	Button	Edit Invoice	To edit invoice data
46	Button	Print Invoice	To print invoice document
47	Button	View Invoice Status	To submit/check/approve invoice status

d. View Invoice Status Approval

Here are the screen functions from each component in **Screen 4. Invoice Status Approval**:

No	Component	Name	Function
Header			
1	Label	Invoice Status	Invoice Status Title
2	Button	Back	Back to previous screen
Agreements Data			
3	Text Field	Number Period	To display agreement number
4	Text Field	Due Date	To display previous agreement number
5	Text Field	Usage Period	To display agreement date
6	Text Field	Customer Group	To display customer group
7	Text Field	Agreement No	To display agreement number
8	Text Field	Lessee Name	To display customer name
9	Text Field	Lessee NPWP	To display customer NPWP
10	Text Field	Lessee Address	To display customer address
11	Label	Instalment Amount	To display instalment amount
12	Label	Breakdown Amount	To display breakdown amount
13	Label	Instalment + Breakdown	To display instalment + breakdown amount
14	Label	Police Number	To display police number of the unit
15	Label	Object Type	To display object type
16	Label	Description	To display description of maintenance
17	Label	Maintenance Amount	To display maintenance amount
18	Text Field	Remarks	To input comment when click REJECT or REVISE button
19	Button	Check	To change the status of document to CHECKED, means this document already checked by authorize user
20	Button	Approve	To change the status of document to APPROVED, means this document

			already approved by authorize user
21	Button	Reject	To change the status of document to REJECTED, means this document already rejected by authorize user
22	Button	Revise	To change the status of document to REVISED, means this document need to be revised by authorize user

e. Edit Delivery Invoice Pop Up Screen

Here are the screen functions from each component in **Screen 5. Edit Delivery Invoice Pop Up Screen:**

No	*Component*	*Name*	*Function*
Data			
1	Text Field	Invoice Number	To view selected Invoice Number
2	Datetime Picker	Delivery Date	To input the date of delivery invoice
3	Combobox	Delivery By	To input Delivery courier: Internal Courier or Courier Agent
4	Text Field	Receipt Number	To input receipt number of delivery invoice to Customer
5	Button	Save Changes	To close pop up screen with saving changes data
6	Button	Close	To close pop up screen without saving changes data

f. View Billing & Payment History Inquiry

Here are the screen functions from each component in **Screen 11. View Billing & Payment History Inquiry**:

No	*Component*	*Name*	*Function*
Header			
1	Label	Billing & Payment History Inquiry	Billing & Payment Title
2	Button	Back	Back to previous screen
Contract Information			
3	Text Field	Agreement Number	To select agreement number
4	Text Field	Previous Agreement Number	To display previous agreement number
5	Date Picker	Agreement Date	To display agreement date
Billing and Payment History			
6	Text Field	Sales PIC Name	To display sales PIC name
7	Text Field	Sales PIC Position	To display sales PIC position
8	Text Field	Sales PIC Phone	To display sales PIC phone
9	Text Field	Sales PIC Email	To display sales PIC email

10	Text Field	Customer Name	To display customer name
11	Text Field	Product Brand Name	To display product brand name
12	Text Field	Product Model Name	To display Product model name
13	Text Field	Model Year	To display model year
14	Text Field	Lease Category	To display lease category
15	Text Field	Maintenance Type	To display maintenance type
16	Text Field	Insurance	To display insurance
17	Text Field	Purchase Required	To display purchase required
18	Date Picker	Contract Start Date	To display contract start date
19	Date Picker	Contract Expired Date	To display contract expired date
20	Text Field	Lease Period	To display lease period
21	Text Field	Usage	To display usage place
22	Text Field	Expectation Collection Amount	To display expectation collection amount
23	Text Field	Payment Amount	To display collection amount
24	Text Field	Overdue Amount	To display overdue amount
25	Text Field	Total Billing	To display total billing
Billing Schedule List			
26	Label	Payment Schedule	Display payment schedule
27	Label	Invoice No	Display invoice number when it has issued
28	Label	Payment Date	Display the date of payment bu customer
29	Label	Bill Amount	Display billing amount
30	Label	Breakdown	Display breakdown amount
31	Label	Maintenance Amount	Display maintenance amount
32	Label	VAT (10%)	Display vat (10%) amount
33	Labe	PPh (2%)	Display PPh (2%) amount
34	Label	Penalty Amount	Display penalty amount
35	Label	Bill Payment	Display payment of billing amount
36	Label	Maintenance Payment	Display payment of maintenance amount
37	Label	VAT Payment	Display payment of VAT (10% of collection billing amount)

38	Label	Penalty Payment	Display payment of penalty amount
39	Label	Overdue (Days)	Display total overdue on calendar days
40	Label	Action	Display action on list data
41	Button	Add Payment Detail	To go to screen Billing & Payment Inquiry Detail

g. Add Billing & Payment History Detail

Here are the screen functions from each component in **Screen 12. Add Billing & Payment History Detail**:

No	Component	Name	Function
Header			
1	Label	Add Billing & Payment History	Add Billing & Payment History Title
2	Button	Back	Back to previous screen
Contract Information			
3	Text Field	Agreement Number	To display agreement number
4	Text Field	Previous Agreement Number	To display previous agreement number
5	Date Picker	Agreement Date	To display agreement date
Billing and Payment History Detail			
6	Date Picker	First Due Date of Usage Unit	To display first due date of usage unit
7	Date Picker	First Due Date of Payment	To display first due date of payment
8	Text Field	Term of Payment (Days)	To display term of payment on days
9	Text Field	Number of Payment	To display number of payment
10	Text Field	Deposit Amount	To display deposit amount
11	Date Picker	Deposit Return Date	To display deposit return date
12	Date Picker	Deposit Payment Date	To display deposit payment date
13	Date Picker	Issue of Invoice Date	To display issue if invoice date
14	Drop Down Box	Breakdown Special Contract	To display breakdown special contract
15	Text Field	Maintenance Amount	To display total maintenance amount per period
16	Text Field	Breakdown Adjustoment Amount	To display breakdown adjustment amount
17	Text Field	Monthly Instalment	To display monthly instalment amount

18	Text Field	Interest Penalty (%)	To display interest penalty on (%)
19	Text Field	VAT Amount	To display total of VAT amount (10% x monthly installment)
20	Text Field	Penalty Amount	To display penalty amount
21	Text Field	PPh Amount	To display total of Pph amount (2% x monthly installment)
Payment Condition			
22	Drop Down Box	Payment Transaction	To input the type of payment transaction (Transfer of Giro)
23	Text Field	Giro Number	To input giro number where payment transaction is set “Giro”
24	Date Picker	Payment Date	To input payment date
25	Text Field	Payment Installment	To input the payment of installment
26	Text Field	Breakdown Amount	To input the breakdown amount
27	Text Field	Penalty Amount	To input penalty amount
28	Text Field	VAT Amount	To input of VAT amount
29	Text Field	PPh Amount	To input PPh amount
30	Text Field	Maintenance Amount	To input maintenance amount
31	Text Field	Payment Amount	To input total payment amount (installment – breakdown – pph) + VAT + maintenance amount
32	Button	Save	To save all the changes in payment detail

3.7 Operation Description

<table>
<tr><th>No.</th><th>Operation Name</th><th>Description</th></tr>
<tr><td>1</td><td>Initial view of Billing & Payment History Inquiry</td><td>The screen of payment history inquiry:
1. Component Status;
<table>
<tr><th>Component</th><th>Name/Caption</th><th>Status</th><th>Remark</th></tr>
<tr><td>Drop down box</td><td>User Name</td><td>Active</td><td></td></tr>
<tr><td>Label</td><td>Billing & Payment History Inquiry</td><td>Not Active</td><td></td></tr>
<tr><td>Button</td><td>Back</td><td>Active</td><td></td></tr>
<tr><td>Button</td><td>Edit Billing</td><td>Active</td><td></td></tr>
<tr><td>Text Field</td><td>Agreement Number</td><td>Not Active</td><td></td></tr>
<tr><td>Text Field</td><td>Previous Agreement Number</td><td>Not Active</td><td></td></tr>
<tr><td>Text Field</td><td>Agreement Date</td><td>Not Active</td><td></td></tr>
<tr><td>Text Field</td><td>Sales PIC Name</td><td>Not Active</td><td></td></tr>
<tr><td>Text Field</td><td>Sales PIC Position</td><td>Not Active</td><td></td></tr>
<tr><td>Text Field</td><td>Sales PIC Phone</td><td>Not Active</td><td></td></tr>
<tr><td>Text Field</td><td>Sales PIC Email</td><td>Not Active</td><td></td></tr>
<tr><td>Text Field</td><td>Customer Name</td><td>Not Active</td><td></td></tr>
</table></td></tr>
</table>

		Text Field	Product Brand Name	Not Active	
		Text Field	Product Model Name	Not Active	
		Text Field	Model Year	Not Active	
		Text Field	Lease Category	Not Active	
		Text Field	Maintenance Type	Not Active	
		Text Field	Insurance	Not Active	
		Text Field	Purchase Required	Not Active	
		Text Field	Contract Start Date	Not Active	
		Text Field	Contract Expired Date	Not Active	
		Text Field	Lease Period	Not Active	
		Text Field	Usage	Not Active	
		Text Field	Expectation Collection Amount	Not Active	
		Text Field	Overdue Amount	Not Active	
		Text Field	Billing Total	Not Active	
		Button	Add	Active	
		Label	Payment Schedule	Not Active	
		Label	Invoice Issue Date	Not Active	
		Label	Collection Date	Not Active	
		Label	Collection Amount	Not Active	
		Label	Breakdown	Not Active	
		Label	Penalty	Not Active	
		Label	Overdue (Days)	Not Active	
		Label	VAT (10%)	Not Active	
		Label	PPH (2%)	Not Active	
		Label	Overdue (Days)	Not Active	
		Label	Action	Not Active	
		Button	Edit Payment Detail	Active	

2 View Billing & Payment History Inquiry

Input:
1. Access OLSS
2. Select menu Billing Collection
3. Select sub menu Monitor Schedule
4. Click button view billing on the List of Agreement Due Date or All Tab

Process:
5. When user click button view billing, system will display **Screen 1. View Billing & Payment History Inquiry**
6. Billing data which will be displayed depend on the clicked button on row of agreement data in monitor schedule
7. System will search data on table TB_BIL_PayScheduleDtl and TB_BIL_PaySchedule join with OPLAgreement
8. List payment schedule will display according tenor of billing agreement, on table TB_BIL_PayScheduleDtl
9. List payment schedule will be sorted by PaymentSchedulle ascending

Alternative:
N/A

3 Initial view of Edit Billing & Payment History Inquiry

The screen of payment history inquiry:

1. Component Status;

Component	Name/Caption	Status	Remark
Drop down box	User Name	Active	

		Label	Billing & Payment History Inquiry	Not Active	
		Button	Back	Active	
		Button	Edit Billing	Active	
		Text Field	Agreement Number	Not Active	
		Text Field	Previous Agreement Number	Not Active	
		Text Field	Agreement Date	Not Active	
		Text Field	Sales PIC Name	Not Active	
		Text Field	Sales PIC Position	Not Active	
		Text Field	Sales PIC Phone	Not Active	
		Text Field	Sales PIC Email	Not Active	
		Text Field	Customer Name	Not Active	
		Text Field	Product Brand Name	Not Active	
		Text Field	Product Model Name	Not Active	
		Text Field	Model Year	Not Active	
		Text Field	Lease Category	Not Active	
		Text Field	Maintenance Type	Not Active	
		Text Field	Insurance	Not Active	
		Text Field	Purchase Required	Not Active	
		Text Field	Contract Start Date	Not Active	
		Text Field	Contract Expired Date	Not Active	
		Text Field	Lease Period	Not Active	
		Text Field	Usage	Not Active	
		Text Field	Expectation Collection Amount	Not Active	
		Text Field	Overdue Amount	Not Active	
		Checkbox	Approval Adjustment Memo	Active	
		Text Field	Adjustment Breakdown Amount	Active when approval adjustment memo checked	
		Dropdown	Include Pph	Active	
		Checkbox	Special Invoice Issue Date	Active	
		Datepicker	Special Invoice Issue Date	Active when special invoice issue date checked	
		Text Field	Billing Total	Not Active	
		Button	Save Change	Active	
		Button	Submit	Active	

4	Edit Billing & Payment History Inquiry	<u>Input:</u> 1. Operation Name *2. View Billing & Payment History Inquiry 1-3* 2. Click button Edit billing on **Screen Monitor Schedule in Tab 7 Days** 3. Base on **Screen 2. Edit Billing & Payment History Inquiry**, Update the following field(s) if needed: **Billing & Payment Data** — **Constraint Input** Approval Adjustoment Memo — Varchar Adjustment Breakdown Amount — Varchar

Include PPh	Varchar
Special Invoice Issue Date	Datetime

Constraint:

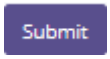
a. If approval adjustment memo checked, then breakdown adjustment amount textbox will active and required
b. If approval adjustment memo unchecked, then breakdown adjustment amount textbox will not active
c. If special invoice issue date checked, then date of issue date active and required

4. Click on button Save Changes on the bottom-left on the screen

Constraint:

a. Clicking the button will trigger a pop up screen for validation "**Are you sure you want to save all changes?**"

5. Click on button Submit on the bottom-left on the screen



Constraint:

a. Clicking the button will trigger a pop up screen for validation "**Are you sure you want to submit data?**"

Process:

1. After confirmed, updated data will save to table TB_BIL_PaySchedule and TB_BIL_PayScheduleDtl
2. When Save Changes button is clicked, system will add a new log of: Payment Schedule action to TB_BIL_PaySchedule_History. Data which should be inserted are:

Field Name	**Value**
ProcessId	New GUID
OriginalId	TB_BIL_PaySchedule
CreatedDate	Sys.CurrentDate
CreatedBy	User.UserName
Action	TB_OPL_Status.StatusCode = DRAFT

Also will insert all updated fields on table TB_BIL_PaySchedule to table TB_BIL_PaySchedule_History_Dtl

And new log of Payment Schedule Detail action to TB_BIL_PayScheduleDtl_History. Data which should be inserted are:

Field Name	**Value**
ProcessId	New GUID
OriginalId	TB_BIL_PayScheduleDtl
CreatedDate	Sys.CurrentDate
CreatedBy	User.UserName
Action	TB_OPL_Status.StatusCode = DRAFT

Also will insert all updated fields on table TB_BIL_PayScheduleDtl to table TB_BIL_PayScheduleDtl_History_Dtl

3. When Submit button is clicked, System will add a new log of Payment Schedule action to TB_BIL_PaySchedule_History. Data which should be inserted are:

Field Name	Value
ProcessId	New GUID
OriginalId	TB_BIL_PaySchedule
CreatedDate	Sys.CurrentDate
CreatedBy	User.UserName
Action	TB_OPL_Status.StatusCode = SUBMITTED

Also will insert all updated fields on table TB_BIL_PaySchedule to table TB_BIL_PaySchedule_History_Dtl

And new log of Payment Schedule Detail action to TB_BIL_PayScheduleDtl_History. Data which should be inserted are:

Field Name	Value
ProcessId	New GUID
OriginalId	TB_BIL_PayScheduleDtl
CreatedDate	Sys.CurrentDate
CreatedBy	User.UserName
Action	TB_OPL_Status.StatusCode = SUBMITTED

Also will insert all updated fields on table TB_BIL_PayScheduleDtl to table TB_BIL_PayScheduleDtl_History_Dtl

Output:

1. The row of edited Billing & Payment History Inquiry data at Monitor Schedule screen will be change.
2. Display success message on top of Monitor Schedule when Billing & Payment History Inquiry data has been submitted or save changes successfully:
   "Success! Billing data for Agreement Number: 000001/04/11/2015 has been successfully updated/submitted"

Alternative:

1. From step 1, click on Back button to go back to previous screen (list of agreement on tab End Contract)

5 Initial view of Update Payment Billing

The screen of update payment billing:

1. Component Status;

Component	Name/Caption	Status	Remark
Drop down box	User Name	Active	
Label	Billing & Payment History Detail	Not Active	
Button	Back	Not Active	
Text Field	Agreement Number	Not Active	
Text Field	Previous Agreement Number	Not Active	
Text Field	Agreement Date	Not Active	
Text Field	First due date of Usage Unit	Not Active	
Text Field	First due date of payment	Not Active	
Text Field	Term of Payment	Not Active	
Text Field	Number of Payment	Not Active	
Text Field	Deposit amount	Not Active	
Text Field	Deposit Payment date	Not Active	
Text Field	Deposit return date	Not Active	

Drop Down Box	Breakdown Special contract	Active	
Text Field	Issue of invoice date	Not Active	
Text Field	Monthly instalment	Not Active	
Text Field	Interest penalty (%)	Not Active	
Text Field	Maintenance Amount	Not Active	
Text Field	VAT Amount	Not Active	
Text Field	PPh Amount	Not Active	
Text Field	Penalty Amount	Not Active	
Text Field	Payment Transaction	Active	
Text Field	Giro Number	Not Active	Active if Payment transaction = GIRO
Text Field	Payment Date	Active	
Text Field	Payment Installment	Active	
Text Field	Breakdown Amount	Active	
Text Field	VAT Amount	Active	
Text Field	PPh Amount	Active	
Text Field	Penalty Amount	Active	
Button	Save	Active	

6 Add Billing & Payment History Detail

Input:

1. Operation Name *2. View Billing & Payment History Inquiry 1-4*
2. Click on button Insert Payment

3. Base on **Screen 4. Update Billing & Payment History Detail**, Update the following field(s) if needed:

Billing & Payment Detail	**Constraint Input**
Payment Transaction	Varchar
Giro Number	Varchar
Payment Date	Datetime
Payment Installment	Decimal(18,3)
Breakdown Amount	Decimal(18,3)
Penalty Amount	Decimal(18,3)
VAT Amount	Decimal(18,3)
PPh Amount	Decimal(18,3)
Maintenance Amount	Decimal(18,3)
Payment Amount	Decimal(18,3)

Constraint:

a. Default value of Payment Transaction: Transfer
b. Values of payment transaction are TRANSFER and GIRO
c. If Payment Transaction is Transfer, then Giro Number will be disabled
d. Payment Date date will set when the date of payment transaction
e. Payment transaction will be optioned by Transfer or Giro
f. If payment transaction set Giro, then will display Text Field to input Giro Number
g. Data for manual input are: Payment Date, Payment Installment, Breakdown Amount, Penalty Amount, VAT Amount, PPh Amount and Maintenance Amount, and for each data has default value according to billing data
h. If payment installment more than monthly installment, then cannot save data

i. If payment VAT is more than VAT amount (10% x installment amount) then cannot save data
j. If isPPh = TRUE, then PPHAmt = 2% x installment amount
k. Value of Payment Amount automatic calculation from: Payment Installment – Breakdown Amount – PPh Amount (if any) + VAT Amount + Maintenance Amount

4. Click button Save

Constraint:

a. Clicking the button will trigger a pop up screen for validation "**Are you sure you want to save changes data payment for Agreement Number: xxxx ?**"

Process:

1. After confirmed, Insert new data to table TB_BIL_PaymentHistory below:

Field Name	**Value**
IdTb_BIL_Payment History	Auto Generated
IdTb_BIL_PaySchedule DtI	Tb_BIL_PayScheduleDtl.IdTb_BIL_PayScheduleDtl
PaymentTransType	Screen.Payment Transaction Type
GiroNumber	Screen.Giro Number
PaymentDate	Screen.Payment Date
PaymentAmt	(PayInstallment – Breakdown Amount – PPh amount) + PayVAT + PayMaintenanceAmt
PayInstallment	Screen.Payment Installment
PayVAT	Screen.Payment VAT
PayMaintenanceAmt	Screen.Payment Maintenance
PayPenalty	Screen.Payment Penalty
CreatedDate	Sys.CurrentDate
CreatedBy	User.UserName

2. Also updated data will save to table TB_BIL_PaySchedule and TB_BIL_PayScheduleDtl. Data in TB_BIL_PayScheduleDtl that will be updated:

Field Name	**Value**
CollectionAmt	Payment Amount
BillingTotal	BillingTotal – PaymentInstallment
OverdueAmt	If (PaymentDate > PaymentSchedule AND BillingAmt > PaymentAmt THEN BillingAmt – PaymentAmt
OverdueDays	If (PaymentDate > .PaymentSchedule AND BillingAmt > PaymentAmt PaymentDate - PaymentSchedule
OverdueBucket	IF OverdueDays <= 30, THEN 1 IF OverdueDays >= 31 AND <= 60, THEN 2 IF OverdueDays >= 61 AND <= 90, THEN 3 IF OverdueDays > 90, THEN 4
LastModifiedDate	Sys.CurrentDate

LastModifiedBy	User.UserName

In table TB_BIL_PaySchedule, the data will be updated:

Field Name	Value
BillingTotal	BillingTotal – PaymentInstallment
CollectionAmt	CollectionAmt + PaymentInstallment
OverdueAmt	OverdueAmt + TB_BIL_PayScheduleDtl.Overdue Amt
LastModifiedDate	Sys.CurrentDate
LastModifiedBy	User.UserName

3. When Save Changes button is clicked, system will add a new log of: Payment Schedule action to TB_BIL_PaySchedule_History. Data which should be inserted are:

Field Name	Value
ProcessId	New GUID
OriginalId	TB_BIL_PaySchedule. IdTB_BIL_PaySchedule
CreatedDate	Sys.CurrentDate
CreatedBy	User.UserName
Action	TB_OPL_Status.StatusCode = DRAFT

Also will insert all updated fields on table TB_BIL_PaySchedule to table TB_BIL_PaySchedule_History_Dtl

And new log of Payment Schedule Detail action to TB_BIL_PayScheduleDtl_History. Data which should be inserted are:

Field Name	Value
ProcessId	New GUID
OriginalId	TB_BIL_PayScheduleDtl.Id TB_BIL_PayScheduleDtl
CreatedDate	Sys.CurrentDate
CreatedBy	User.UserName
Action	TB_OPL_Status.StatusCode = DRAFT

Also will insert all updated fields on table TB_BIL_PayScheduleDtl to table TB_BIL_PayScheduleDtl_History_Dtl

4. When Submit button is clicked, System will add a new log of Payment Schedule action to TB_BIL_PaySchedule_History. Data which should be inserted are:

Field Name	Value
ProcessId	New GUID
OriginalId	TB_BIL_PaySchedule. IdTB_BIL_PaySchedule
CreatedDate	Sys.CurrentDate
CreatedBy	User.UserName
Action	TB_OPL_Status.StatusCode = SUBMITTED

Also will insert all updated fields on table TB_BIL_PaySchedule to table TB_BIL_PaySchedule_History_Dtl

And new log of Payment Schedule Detail action to TB_BIL_PayScheduleDtl_History. Data which should be inserted are:

Field Name	Value
ProcessId	New GUID
OriginalId	TB_BIL_PayScheduleDtl.Id TB_BIL_PayScheduleDtl
CreatedDate	Sys.CurrentDate
CreatedBy	User.UserName
Action	TB_OPL_Status.StatusCode = SUBMITTED

Also will insert all updated fields on table TB_BIL_PayScheduleDtl to table TB_BIL_PayScheduleDtl_History_Dtl

Output:

1. The row of edited Billing & Payment History Detail data at View Billing & Payment History Inquiry screen will be change.
2. Display success message on top of View Billing & Payment History Inquiry when Billing & Payment History Detail data has been submitted or save as draft successfully:
   "Success! Payment data for Agreement Number: 000001/04/11/2015 has been successfully save as draft/submitted"

Alternative:

1. From step 1, click on Back button to go back to previous screen (Payment History Inquiry screen)

7 — Initial view of Create Invoice

The screen of Create Invoice:

1. Component Status;

Component	Name/Caption	Status	Remark
Drop down box	User Name	Active	
Label	Billing & Payment History Inquiry	Not Active	
Button	Back	Active	
Text Field	Number Period	Not Active	
Text Field	Due Date	Not Active	
Text Field	Usage Period	Not Active	
Text Field	Customer Group	Not Active	
Text Field	Agreement Number	Not Active	
Text Field	Lessee Name	Not Active	
Text Field	Lessee NPWP	Not Active	
Text Field	Lessee Address	Not Active	
Label	Instalment Amount	Not Active	
Label	Breakdown Amount	Not Active	
Label	Instalment + Breakdown	Not Active	
Label	Police Number	Not Active	
Label	Object Type	Not Active	
Label	Description	Not Active	
Label	Maintenance Amount	Not Active	
Button	Save and Print	Active	

8 — Create Invoice

Input:

1. Click menu Monitor Billing Schedule
2. On 7 Days tab, click button Create Invoice

Constraint:

a. Only agreements with 7 days before end of usage unit or with special condition for invoice date can be created invoice and receipt.
b. Get data from Tb_MTN_HistoryMT where MaintenanceType = CSD or

isBilledToCustomer = TRUE

c. Once invoice created, its creates instalment invoice, receipt, maintenance invoice and receipt.

Process:

3. Click on button Save and Print on the bottom-left of the screen

Constraint:

a. Clicking the button will trigger a pop up screen for validation "**Are you sure you want to save and print invoice?**"
b. Clicking the button also will save invoice data and print invoice and receipt, and will automatically send email to customer.
c. For maintenance billing, will automatically retrieve data from table OPLServiceHistory_History_Dtl where IdOPLAgreement = OPLAgreement.IdOPLAgreement and maintenance type = CSD

5. When Save and Print button is clicked, system will add new data to table TB_BIL_InvoiceReceipt. Data which should be inserted are:

Field Name	Value
IdTb_BIL_InvoiceReceipt	New GUID
IdTb_BIL_PayScheduleDtl	TB_BIL_BIL_PayScheduleDtl.IdTb_BIL_PayScheduleDtl
InvoiceNoInstalment	Generated Installment Invoice Number
ReceiptNoInstalment	Generated Installment Receipt Number
InvoiceNoMaintenance	Generated Maintenance Invoice Number
ReceiptNoMaintenance	Generated Maintenance Receipt Number
ReceiveLetterNo	Generated Receive Letter Number
InvoiceIssueDate	Current Date
MailStatus	If success then "1" for DELIVERED Otherwise "0" for NOT DELIVERED
InvoiceStatus	SUBMITTED (refer to OPLStatus)
DocumentType	1 (INVOICE)
CreatedDate	Current date
CreatedBy	User login

6. When Save and Print button is clicked, system will add new data to table TB_BIL_InvoiceEmail. Data which should be inserted are:

Field Name	Value
IdTb_BIL_InvoiceEmail	New GUID
IdOPLAgreement	OPLAgreement.IdOPLAgreement
PICEmail	Screen.Invoice Receiver Name
Email	Screen.Invoice Receiver Email
CreatedDate	Current date
CreatedBy	User login

7. When Save and Print button is clicked, system also will add new data to table TB_BIL_MaintenanceDtl get data from TB_MTN_HistoryMT where

MaintenanceType = CSD OR isBilledToCustomer = TRUE:

Field Name	Value
IdTb_BIL_MaintenanceDtl	New GUID
IdTb_BIL_PayScheduleDtl	TB_BIL_BIL_PayScheduleDtl.IdTb_BIL_PayScheduleDtl
IdOPLAgreement	OPLAgreement.IdOPLAgreement
IDHistoryMT	Tb_MTN_HistoryMT.IDHistoryMT
Workshop	Tb_MTN_HistoryMT.Workshop
VATAmt	Tb_MTN_HistoryMT.VATAmt
PPHAmt	Tb_MTN_HistoryMT.PPHAmt
TotalIncludeTax	Tb_MTN_HistoryMT.TotalIncludeTax
CreatedDate	Current date
CreatedBy	User login

8. When Save and Print button is clicked, system will add a new log of: Invoice action to TB_BIL_InvoiceReceipt_History. Data which should be inserted are:

Field Name	Value
ProcessId	New GUID
OriginalId	TB_BIL_InvoiceReceipt
CreatedDate	Sys.CurrentDate
CreatedBy	User.UserName
Action	TB_OPL_Status.StatusCode = SUBMITTED

Also will insert all updated fields on table TB_BIL_InvoiceReceipt to table TB_BIL_InvoiceReceipt_History_Dtl

9. System will add new log of: Maintenance Detail action to TB_BIL_MaintenanceDtl_History. Data which should be inserted are:

Field Name	Value
ProcessId	New GUID
OriginalId	TB_BIL_MaintenanceDtl
CreatedDate	Sys.CurrentDate
CreatedBy	User.UserName
Action	TB_OPL_Status.StatusCode = SUBMITTED

Also will insert all updated fields on table TB_BIL_InvoiceReceipt to table TB_BIL_MaintenanceDtl_History_Dtl

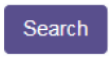
10. After save data, system will automatically print Invoice and Receipt, contain:
    - Installment Invoice
    - Installment Receipt
    - Maintenance Invoice
    - Maintenance Receipt
    - Receive Letter
11. Also after save data, system will automatically send invoice data via email to Invoice Receiver Email.

Output:

1. The new row of Invoice data at View Billing & Payment History Inquiry screen will be change.
2. Display success message on top of View Billing & Payment History Inquiry when Billing & Payment History Detail data has been submitted or save as

<table>
<tr><td></td><td></td><td>
draft successfully:
“Success! Invoice Number: 00001/INV/BDG/11/2015 has been successfully saved”
3. Printed documents contain:
- Installment Invoice
- Installment Receipt
- Maintenance Invoice
- Maintenance Receipt
- Receive Letter

<u>Alternative:</u>
1. From step 1, click on Back button to go back to previous screen (list of agreement on tab End Contract)
</td></tr>
<tr><td>9</td><td>Initial List of Invoice Status Approval</td><td>
The screen of List of Status Approval:
1. Component Status;
<table>
<tr><th>Component</th><th>Name/Caption</th><th>Status</th><th>Remark</th></tr>
<tr><td>Drop down box</td><td>User Name</td><td>Active</td><td></td></tr>
<tr><td>Label</td><td>Billing & Payment Invoice Approval Path</td><td>Not Active</td><td></td></tr>
<tr><td>Button</td><td>Back</td><td>Active</td><td></td></tr>
<tr><td>Label</td><td>DSF Office</td><td>Not Active</td><td></td></tr>
<tr><td>Label</td><td>Invoice No</td><td>Not Active</td><td></td></tr>
<tr><td>Label</td><td>Receipt No</td><td>Not Active</td><td></td></tr>
<tr><td>Label</td><td>Maintenance Invoice No</td><td>Not Active</td><td></td></tr>
<tr><td>Label</td><td>Maintenance Invoice Receipt No</td><td>Not Active</td><td></td></tr>
<tr><td>Label</td><td>Invoice Status</td><td>Not Active</td><td></td></tr>
<tr><td>Label</td><td>Created By</td><td>Not Active</td><td></td></tr>
<tr><td>Label</td><td>Checked By</td><td>Not Active</td><td></td></tr>
<tr><td>Label</td><td>Approved By</td><td>Not Active</td><td></td></tr>
<tr><td>Label</td><td>Action</td><td>Not Active</td><td></td></tr>
<tr><td>Button</td><td>First Page</td><td>Active</td><td>Active depending on the current entry</td></tr>
<tr><td>Button</td><td>Previous Page</td><td>Active</td><td>Active depending on the current entry</td></tr>
<tr><td>Link</td><td>Page Number</td><td>Active</td><td>Active depending on the current entry</td></tr>
<tr><td>Button</td><td>Next Page</td><td>Active</td><td>Active depending on the current entry</td></tr>
<tr><td>Button</td><td>Last Page</td><td>Active</td><td>Active depending on the current entry</td></tr>
<tr><td>Button</td><td>Print Invoice</td><td>Active</td><td></td></tr>
<tr><td>Button</td><td>Invoice Status Approval</td><td>Active</td><td></td></tr>
</table>
</td></tr>
</table>

10	Searching the List of Invoice Status Approval	<u>Input:</u> 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 <u>Constraint:</u> a. Search criteria only consists of DSF Office, Invoice No, Receipt No, Maintenance Invoice, Maintenance Receipt No, Invoice Status, Created By, Checked By and Approved By (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) 2. Click on the Search Button  3. The screen will view the list of agreement according to criteria 4. Based on **Screen 6. List of Invoice Status Approval**, information related to Invoice that will be display automatically are: - DSF Office - Invoice No - Receipt No - Maintenance Invoice No - Maintenance Invoice Receipt No - Invoice status - Create By - Checked By - Approved By 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 <u>Process:</u> 7. Default view will display data list of invoice for selected agreement that already issued 8. After click the Search button, the system will get data from Tb_BIL_InvoiceReceipt table to be displayed in the list <u>Output:</u> 9. Display list data of invoice
11	Edit Delivery Invoice	<u>Input:</u> 1. Access OLSS 2. Select menu Billing Collection 3. Select sub menu Monitor Schedule 4. On tab 7 Days, click button View Invoice List 5. On specific row, click button Edit Delivery Invoice to edit delivery invoice 6. Base on **Screen 5. Edit Delivery Invoice Pop Up**, Update the following

field if needed:

Invoice Data	Constraint Input
Delivery Date	Datetime
Delivery By	Dropdown
Registration Number	Varchar

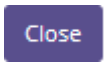
Constraint:

a. Default value for Delivery By is "Internal Courier"
b. If Delivery By is "Internal Courier", then Registration Number is not visible
c. If Deliver By is "Courier Agent", then Registration Number is visible and required

7. Click on button Save Changes on the bottom-right on the screen

Constraint:
Clicking the button will trigger a pop up screen for validation "**Are you sure you want to save all changes?**"

8. Click on button Close on the bottom-right on the screen



Constraint:
Clicking the button will trigger a pop up screen for validation "**Are you sure you want to close without save data?**"

Process:

1. After confirmed, updated data will save to table TB_BIL_InvoiceReceipt
2. When Save Changes button is clicked, system will add a new log of: Invoice action to TB_BIL_InvoiceReceipt_History. Data which should be inserted are:

Field Name	Value
ProcessId	New GUID
OriginalId	TB_BIL_InvoiceReceipt.IdTB_BIL_ InvoiceReceipt
CreatedDate	Sys.CurrentDate
CreatedBy	User.UserName
Action	TB_OPL_Status.StatusCode = DELIVERED

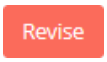
Also will insert all updated fields on table TB_BIL_InvoiceReceipt to table TB_BIL_InvoiceReceipt_History_Dtl

Output:

1. The row of edited Invoice data at List of Invoice screen will be change.
2. Invoice Status set "DELIVERED"
3. Display success message on top of Monitor Schedule when Billing & Payment History Inquiry data has been submitted or save changes successfully:
   "Success! Delivery invoice for Invoice Number: 000001/INV/BDG/11/2015 has been successfully updated/submitted"

Alternative:

1. From step 1, click on Back button to go back to previous screen (list of agreement on tab End Contract)

12	Invoice Approval Process	<u>Input:</u> 1. Access OLSS 2. Select menu Billing Collection 3. Select sub menu Monitor Schedule 4. On tab 7 Days, click button View Invoice List 5. On specific row, click button View Invoice Approval to View Invoice Approval Status <u>Constraint:</u> a. User can only select one Invoice to be viewed at once 6. Base on Screen **7. Invoice Status Approval**, update the following field if needed: **Invoice Approval** | **Constraint Input** Remarks | Text Area <u>Approval Process:</u> • **<u>Revise</u>** 1. Click Revise button  2. Confirmation dialog with 'Are you sure you want to Revise?'. Message will be displayed after user click Revise button <u>Constraint:</u> a. Validation and revise process will be executed after user click Yes button at confirmation dialog. 3. When Revise button is clicked, system will: - Set value at TB_BIL_InvoiceReceipt.InvoiceStatus = REVISED - Add a new Log of Invoice action to TB_BIL_InvoiceReceipt_History. Data which should be inserted are: User Name, Date and Status (Tb_OPL_Status.StatusName = REVISED) **Field Name** | **Value** ProcessId | New GUID OriginalId | TB_BIL_InvoiceReceipt.IdTB_BIL_InvoiceReceipt CreatedDate | Sys.CurrentDate CreatedBy | User.UserName Action | TB_OPL_Status.StatusCode = REVISED Also will insert all updated fields on table TB_BIL_InvoiceReceipt to table TB_BIL_InvoiceReceipt_History_Dtl 4. Will display success notification and data has been updated successfully • **<u>Check</u>** 1. Click Check button 2. Confirmation dialog with 'Are you sure you want to Check?'. Message will be displayed after user click Check button <u>Constraint:</u> a. Validation and check process will be executed after user click Yes button at confirmation dialog.

3. When Check button is clicked, system will:
   - Set value at TB_BIL_InvoiceReceipt.InvoiceStatus = CHECKED
   - Add a new Log of Invoice action to TB_BIL_InvoiceReceipt_History. Data which should be inserted are: User Name, Date and Status (Tb_OPL_Status.StatusName = CHECKED)

Field Name	Value
ProcessId	New GUID
OriginalId	TB_BIL_InvoiceReceipt.IdTB_BIL_InvoiceReceipt
CreatedDate	Sys.CurrentDate
CreatedBy	User.UserName
Action	TB_OPL_Status.StatusCode = CHECKED

   Also will insert all updated fields on table TB_BIL_InvoiceReceipt to table TB_BIL_InvoiceReceipt_History_Dtl
4. Will display success notification and data has been updated successfully

- **<u>Reject</u>**

1. Click Reject button

2. Confirmation dialog with 'Are you sure you want to Reject?'. Message will be displayed after user click Reject button
   <u>Constraint:</u>
   a. Validation and reject process will be executed after user click Yes button at confirmation dialog.
3. When Reject button is clicked, system will:
   - Set value at TB_BIL_InvoiceReceipt.InvoiceStatus = REJECTED
   - Add a new Log of Invoice action to TB_BIL_InvoiceReceipt_History. Data which should be inserted are: User Name, Date and Status (Tb_OPL_Status.StatusName = REJECTED)

Field Name	Value
ProcessId	New GUID
OriginalId	TB_BIL_InvoiceReceipt.IdTB_BIL_InvoiceReceipt
CreatedDate	Sys.CurrentDate
CreatedBy	User.UserName
Action	TB_OPL_Status.StatusCode = REJECTED

   Also will insert all updated fields on table TB_BIL_InvoiceReceipt to table TB_BIL_InvoiceReceipt_History_Dtl
4. Will display success notification and data has been updated successfully

- **<u>Approve</u>**

1. Click Approve button

2. Confirmation dialog with 'Are you sure you want to Approve?'. Message will be displayed after user click Approve button
   <u>Constraint:</u>
   a. Validation and approve process will be executed after user click Yes button at confirmation dialog.
3. When Approve button is clicked, system will:
   - Set value at TB_BIL_InvoiceReceipt.InvoiceStatus = APPROVED
   - Add a new Log of Invoice action to TB_BIL_InvoiceReceipt_History. Data which should be inserted are: User Name, Date and Status

<table>
<tr><td></td><td></td><td>(Tb_OPL_Status.StatusName = APPROVED)
<table>
<tr><th>Field Name</th><th>Value</th></tr>
<tr><td>ProcessId</td><td>New GUID</td></tr>
<tr><td>OriginalId</td><td>TB_BIL_InvoiceReceipt.IdTB_BIL_InvoiceReceipt</td></tr>
<tr><td>CreatedDate</td><td>Sys.CurrentDate</td></tr>
<tr><td>CreatedBy</td><td>User.UserName</td></tr>
<tr><td>Action</td><td>TB_OPL_Status.StatusCode = APPROVED</td></tr>
</table>
Also will insert all updated fields on table TB_BIL_InvoiceReceipt to table TB_BIL_InvoiceReceipt_History_Dtl
Will display success notification and data has been updated successfully

<u>Alternative:</u>
N/A</td></tr>
<tr><td>13</td><td>Print Report Invoice Historical</td><td><u>Input:</u>
1. Operation Name 3. Search Invoice Data
2. Click button Print Report

<u>Process:</u>
1. Operation Name 3. Search Invoice Data

<u>Output:</u>
1. Print out report list</td></tr>
<tr><td>14</td><td>Print Invoice and Receipt</td><td><u>Input:</u>
1. Click Menu Monitor Billing Schedule
2. On 7 Days tab, click button View List of Invoice

3. Click button Print Invoice and Receipt

<u>Contraint:</u>
a. Only for agreement which already created invoice and receipt can display button View List of Invoice
b. Button Print Invoice and Receipt only display/enable when the agreement has already submitted the Invoice and Receipt

<u>Process:</u>
1. The data on the view screen are extracted from Tb_BIL_InvoiceReceipt

<u>Output:</u>
1. The screen displays the data from Instalment invoice and receipt, also maintenance invoice and receipt
2. Print out form PF.AE.1.1 Invoice and Receipt

<u>Alternative:</u>
1. From step 3, click on Back button to go back to previous menu (List of invoice)
2. Convert to excel/pdf with the drop down button and the output will follow the predefined design</td></tr>
<tr><td>15</td><td>System Error Message</td><td><u>Process:</u>
1. Any kind of errors out of application validation or cannot be handled by application such as error when communicate with database server, bugs, overloopetc will generate error message:</td></tr>
</table>

		"System error. Please contact your administrator" <u>Output:</u> 1. A page with system error message will appear.

3.8 Screen Item List

PF.AE.1.1 Invoice, Receipt and Maintenance Invoice

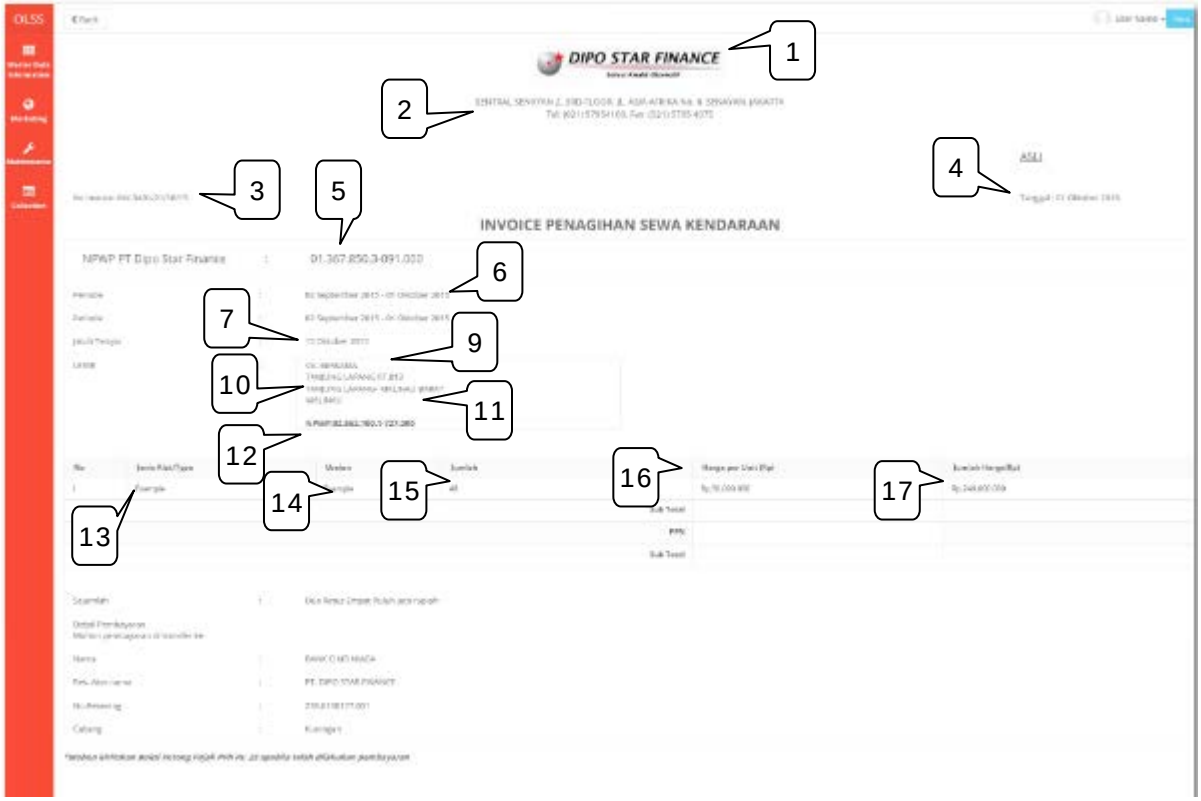
No.	*Content*	*Description*	*Source*	*Remarks*
Installment Invoice				
1	Logo	DSF Logo	Embedded	
2	Company Address	DSF HO Address	REFF_OFFICE.OFFICE_ADDR	
3	Invoice Number	Invoice Number	TB_BIL_InvoiceReceipt.InvoiceNo	
4	Invoice Date	Issued Invoice Date	TB_BIL_InvoiceReceipt.CreatedDate	
5	NPWP	NPWP of DSF	REFF_OFFICE.NPWP	
6	Usage Period	Period of usage unit on monthly basis	TB_BIL_InvoiceReceipt.StartPeriodInvoice and TB_BIL_InvoiceReceipt.EndPeriodInvoice	
7	Due Date	Payment Due Date	OPLAgreement.DueDate	
8	Agreement Number	Agreement Number	OPLAgreement.AgreementNo	
9	Lessee Name	Customer Name	Customer.Name	
10	Lessee Address	Customer Address	Customer.Address	
11	Lessee City	Customer City	Customer.City	
12	Lessee NPWP	Customer NPWP	Customer.NPWP	
13	Object Type	Type of Object	OPLUnit.ObjectType	
14	Description	Object Description	OPLUnit.ObjectName	
15	Quantity	Object Quantity	OPLAgreement.ObjectQty	
16	Price per Unit	Object Price per Unit	OPLUnit.Price	
17	Total Price	Total Price	Sum of OPLUnit.Price	
Installment Receipt (Kwitansi)				
18	Receipt Number	Receipt Number	TB_BIL_InvoiceReceipt.ReceiptNoInstalment	

19	Customer Name	Customer Name	Customer.CustomerName	
20	Total Billing	Billing Amount	TB_BIL_PaySchedule.BillingTotal	
21	Description	Description of amout of unit, brand name, model name, customer name, agreement number, agreement date, agreement period and instalment billing due date	OPLAgreement.TotalUnitQuantity, OPLAgreement.AgreementNumber, OPLAgreement.AgreementDate, OPLAgreement.StartPeriodDate, OPLAgreement.EndPeriodDate, Customer.CustomerName, OPLAgreement.FDDatePayment	Example: "Sewa kendaraan 4 kendaraan MITSUBISHI L200 STRADA DOUBLE CR – GLS TRITON untuk operasional CV. ABC sesuai dengan perjanjian Operating Lease No. xxxx tanggal 12 april 2013 Periode 01 juni 2013 – 30 juni 2013 Jatuh tempo pembayaran: 15 juni 2013
22	Billing in Word	Amount of total billing in words	TB_BIL_PaySchedule.BillingTotal	Using formula amount to word
Maintenance Receipt (Kwitansi)				
23	Receipt Number	Receipt Number	TB_BIL_InvoiceReceipt.ReceiptNoMaintenance	
24	Customer Name	Customer Name	Customer.CustomerName	
25	Total Billing	Billing Amount	TB_BIL_MaintenanceDtl.ServiceCost	
26	Description	Description of amout of unit, brand name, model name, customer name, agreement number, agreement date, agreement period and instalment billing due date	OPLAgreement.TotalUnitQuantity, OPLAgreement.AgreementNumber, OPLAgreement.AgreementDate, OPLAgreement.StartPeriodDate, OPLAgreement.EndPeriodDate, Customer.CustomerName, OPLAgreement.FDDatePayment	Example: "Sewa kendaraan 4 kendaraan MITSUBISHI L200 STRADA DOUBLE CR – GLS TRITON untuk operasional CV. ABC sesuai dengan perjanjian Operating Lease No. xxxx tanggal 12 april 2013 Periode 01 juni 2013 – 30 juni 2013 Jatuh tempo pembayaran: 15 juni 2013
27	Billing in Word	Amount of total billing in words	Sum of TB_BIL_MaintenanceDtl.ServiceCost	Using formula amount to word
Maintenance Invoice				
28	Maintenance Invoice Number	Maintenance Invoice Number	TB_BIL_MaintenanceDtl	
29	Customer Name	Custsomer name	Customer.CustomerName	
30	Customer	Customer address	Customer.Address	

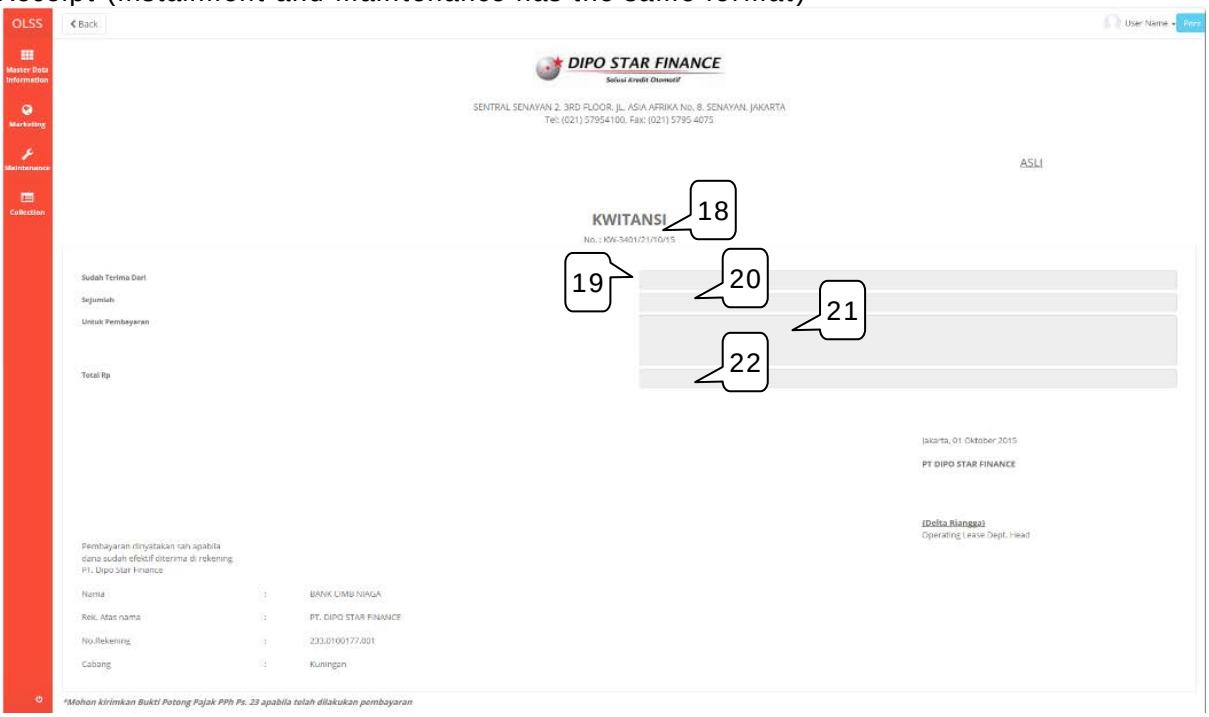
	Address			
31	Customer City	Customer city	Customer.Address	
32	Customer NPWP	Customer NPWP	Customer.NPWP	
33	Agreement Number	Agreement number	OPLAgreement.AgreementNumber	
34	Vehicle Type	Unit/vehicle type		
35	Description	Description of maintenance	TB_BIL_MaintenanceDtl.ServiceItem	
36	Quantity	Quantity of service item	1	Default value
37	Price per Unit	Maintenance price per unit	TB_BIL_MaintenanceDtl.ServiceCost	
38	Total Price	Total maintenance price	Sum of TB_BIL_MaintenanceDtl.ServiceCost	Price per unit x quantity
39	Sub Total	Total overall of maintenance price	Formula	Sum of Total Price
40	PPn 10%	VAT	TB_BIL_MaintenanceDtl.PPNTax	10% x sum of total price
41	Total Billing	Total maintenance will be billed to customer	Formula	Sub total + PPn 10%
Receive Letter				
42	TANDA TERIMA DOKUMEN	Document title	Embedded	
43	Nomor Dokumen	Receive Letter Number	TB_BIL_InvoiceReceipt.DocumentNo	
44	Nama	PIC Name	Customer.PICName	
45	Posisi	PIC Position	Customer.PICPosition	
46	Nama Perusahaan	Customer Name	Customer.CustomerName	
47	Alamat Perusahaan	Customer Address	Customer.Address	
48	Nama Dokumen	Document Name	TB_BIL_InvoiceReceipt.DocumentType	Value: 1 = Installment Invoice 2 = Installment Receipt 3 = Maintenance Invoice 4 = Maintenance Receipt
49	Jumlah (Lembar)	Document amount	Embedded	Default value = 1
50	Keterangan	Description	Embedded	Default value = ASLI
51	Nama Penerima	Customer Name	Customer.CustomerName	
52	Tanggal / Jam	System Date	System.Date	Format: MM/dd/yyyy hh:mm
53	Nama	User Name	OPLUser.UserNam	

	Pemberi		e	
54	Tanggal / Jam	System Date	System.Date	Format: MM/dd/yyyy hh:mm

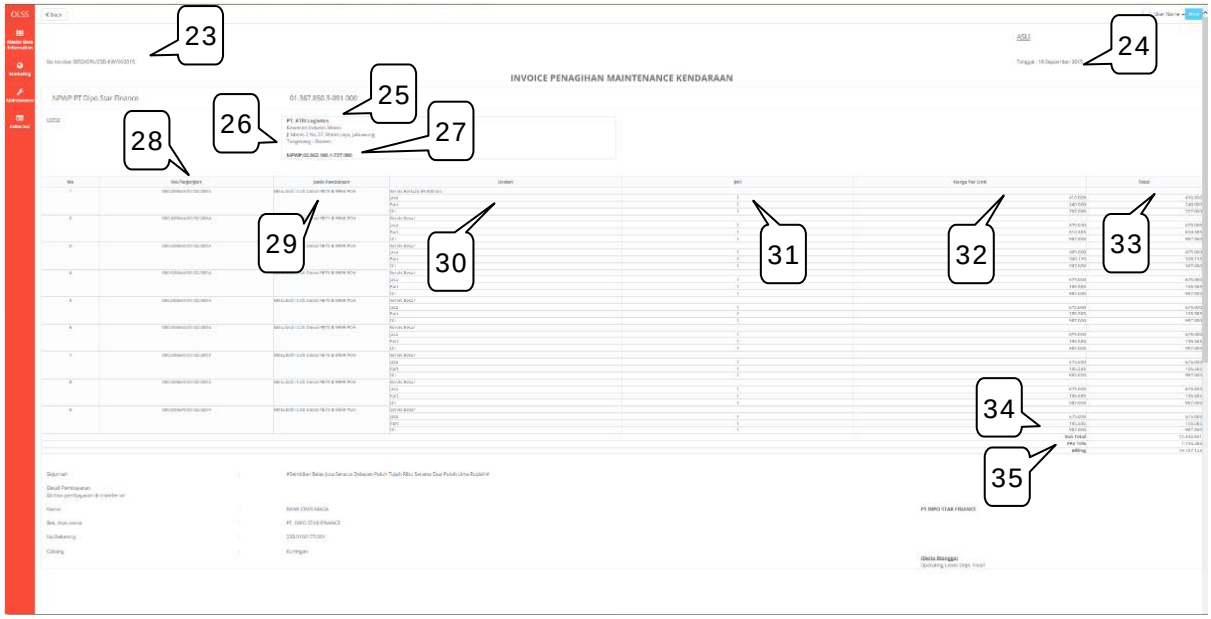
Installment Invoice



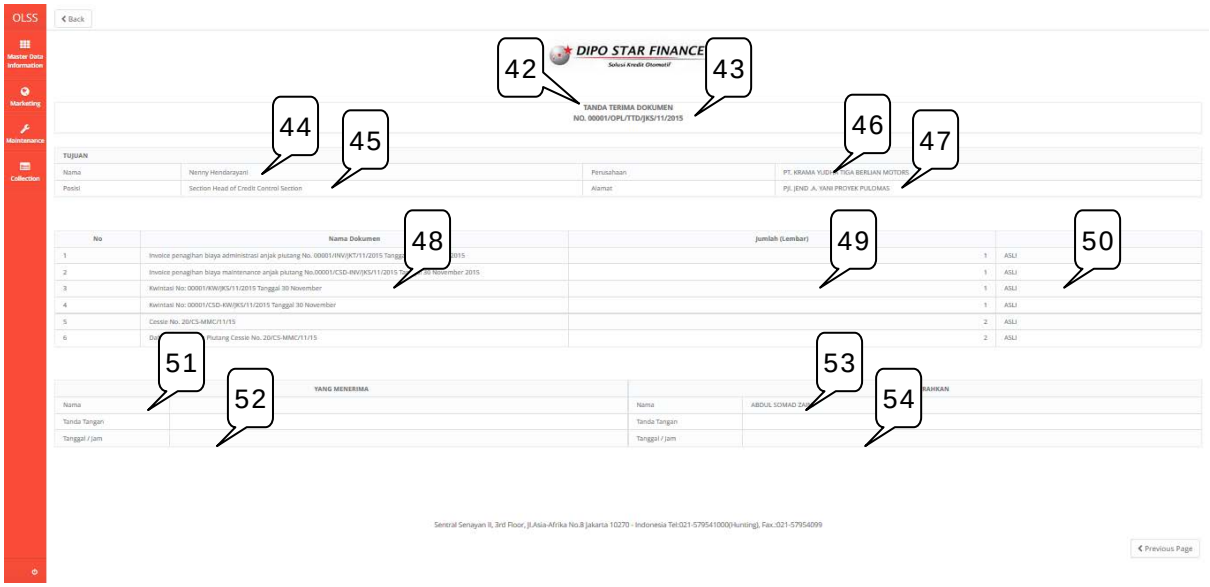
Receipt (installment and maintenance has the same format)



Maintenance Invoice



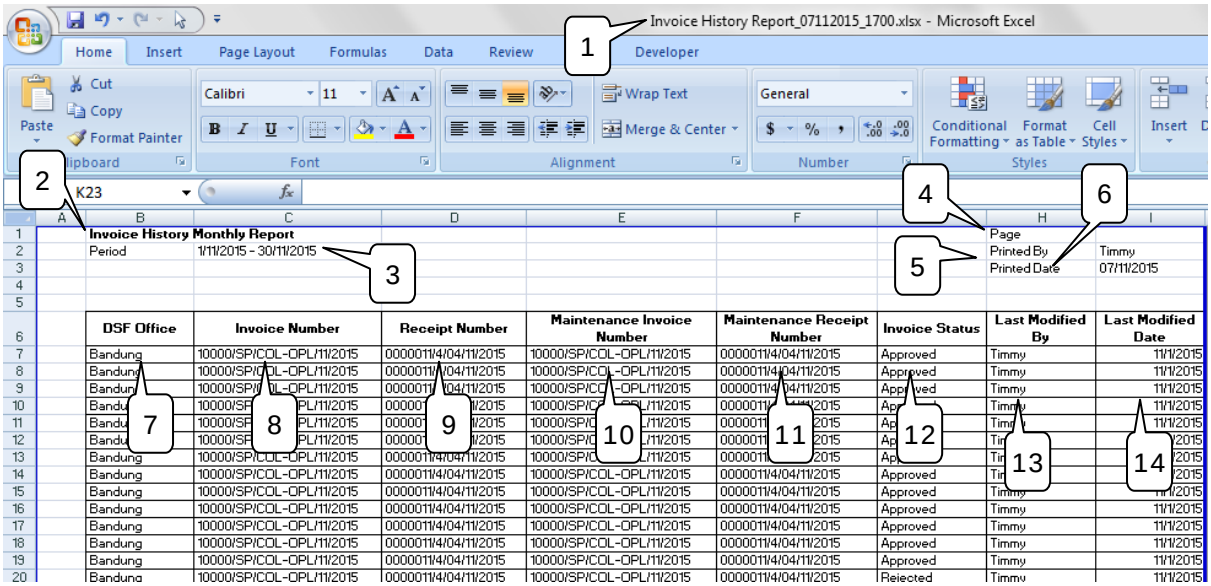
Receive Letter

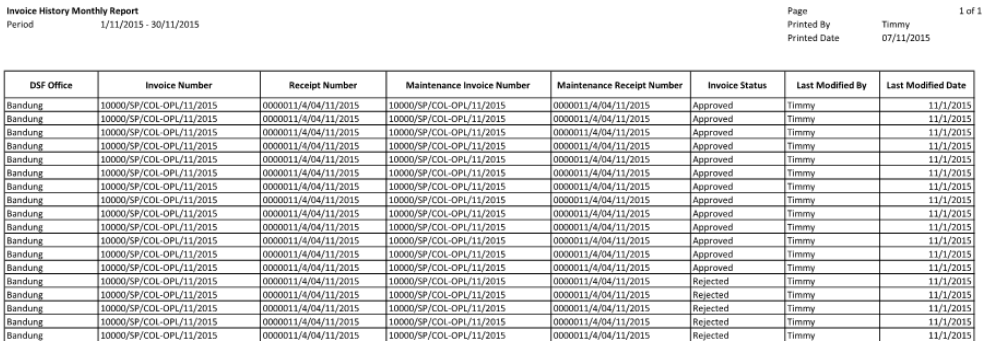


RPT.AE.1.1 Invoice History

No.	*Content*	*Description*	*Source*	*Remarks*
1	Invoice History Report's file name	Invoice Report_MMddyyyy_hhmm where MMddyyyy and hhmm is the time when button Print Report is clicked	System Automatic generate	
2	Invoice History Monthly Report	Title of the report		

3	Period	Period monthly Report	Based on selected Start Date and End Date that already select by User when print Report	Format display Report: MM/dd/yyyy
4	Page	Number of Report Page	Automatically count by number of page	
5	Printed By	Printed By	Sys.CurrentUser	
6	Printed Date	Printed Date	Use date at server when button Print Report is clicked	
7	DSF Office	Branch Short Name	TB_OPL_Branch.BranchShortName	
8	Invoice Number	Installment Invoice Number	TB_BIL_InvoiceReceipt.InstalmentInvoiceNo	
9	Receipt Number	Installment Receipt Number	TB_BIL_InvoiceReceipt.InstalmentReceiptNo	
10	Maintenance Invoice Number	Maintenance Invoice Number	TB_BIL_InvoiceReceipt.MaintenanceInvoiceNo	
11	Maintenance Receipt Number	Maintenance Receipt Number	TB_BIL_InvoiceReceipt.MaintenanceReceiptNo	
12	Invoice Status	Invoice Status	TB_BIL_InvoiceReceipt.InvoiceStatus	
13	Last Modified By	Last Modified By	TB_BIL_InvoiceReceipt.LastModifiedBy	
14	Last Modified Date	Last Modified Date	TB_BIL_InvoiceReceipt.LastModifiedDate	





Note:
Content number 2, 3, 4, 5 and 6 will be page header format and will be printed in every page.

3.9 Data Structure

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		*No*	*Yes*
BillingTotal	*Decimal*	*18,3*	TB_BIL_PaySchedule.BillingTotal		*No*	*Yes*
Remarks	*Varchar*	*200*	TB_BIL_PaySchedule.Remarks		*Yes*	*No*
RemarksSys	*Varchar*	*100*	TB_BIL_PaySchedule		*Yes*	*No*

			.RemarksSys			
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*

TB_BIL_PayScheduleDtl

Field Name	*Data Type*	*Length*	*Source*	*Remarks*	*Nullable*	*Mandatory*
IdTB_BIL_PayScheduleDtl	*Integer*	*N/A*	TB_BIL_PaySchedule Dtl.IdTB_BIL_PayScheduleDtl	***Primary Key***	*No*	*Yes*
IdTB_PaySchedule	*Integer*	*N/A*	TB_BIL_PaySchedule Dtl.IdTB_PaySchedule	***Foreign Key***	*No*	*Yes*
PaymentSchedule	*Datetime*	*N/A*	TB_BIL_PaySchedule Dtl.PaymentSchedule		*No*	*Yes*
BillingAmt	*Decimal*	*18,3*	TB_BIL_PaySchedule Dtl.BillingAmt		*No*	*Yes*
ExpectationCollectionAmount	*Decimal*	*18,3*	TB_BIL_PaySchedule Dtl.ExpectationCollectionAmount		*Yes*	*No*
InvoiceIssueDate	*Datetime*	*N/A*	TB_BIL_PaySchedule Dtl.InvoiceIssueDate		*Yes*	*No*
CollectionAmt	*Decimal*	*18,3*	TB_BIL_PaySchedule Dtl.CollectionAmt		*Yes*	*No*
isBreakdown	*Boolean*	*1*	TB_BIL_PaySchedule Dtl.isBreakdown		*Yes*	*No*
BreakdownAmt	*Decimal*	*18,3*	TB_BIL_PaySchedule Dtl.BreakdownAmt		*Yes*	*No*
PenaltyAmt	*Decimal*	*18,3*	TB_BIL_PaySchedule Dtl.PenaltyAmt		*Yes*	*No*
OverdueDays	*Integer*	*5*	TB_BIL_PaySchedule Dtl.OverdueDays		*Yes*	*No*
VATAmt	*Decimal*	*18,3*	TB_BIL_PaySchedule Dtl		*Yes*	*No*
isPPH	*Boolean*	*1*	TB_BIL_PaySchedule Dtl.VATAmt		*Yes*	*No*
isSpecialCondition	*Boolean*	*1*	TB_BIL_PaySchedule Dtl.isSpecialCondition		*No*	*Yes*
SpecialDateInvoice	*Datetime*	*N/A*	TB_BIL_PaySchedule Dtl.SpecialDateInvoice		*No*	*Yes*
PPHAmt	*Decimal*	*18,3*	TB_BIL_PaySchedule Dtl.PPHAmt		*Yes*	*No*

isVATPaid	*Boolean*	*1*	TB_BIL_PaySchedule Dtl.isVATPaid		*Yes*	*No*
Remarks	*Varchar*	*200*	TB_BIL_PaySchedule Dtl.Remarks		*Yes*	*No*
RemarksSys	*Varchar*	*100*	TB_BIL_PaySchedule Dtl.RemarksSys		*Yes*	*No*
isDraft	*Boolean*	*1*	TB_BIL_PaySchedule Dtl.isDraft		*No*	*Yes*
isValid	*Boolean*	*1*	TB_BIL_PaySchedule Dtl.isValid		*No*	*Yes*
isOverdue	*Boolean*	*1*	TB_BIL_PaySchedule Dtl.isOverdue		*No*	*Yes*
OverdueBucket	*Integer*	*2*	TB_BIL_PaySchedule Dtl.OverdueBucket		*Yes*	*No*
RALIssueDate	*Datetime*	*N/A*	TB_BIL_PaySchedule Dtl.RALIssueDate		*Yes*	*No*
BillingStatus	*Char*	*1*	TB_BIL_PaySchedule Dtl.BillingStatus		*No*	*Yes*
PTPDatePrev	*Datetime*	*N/A*	TB_BIL_PaySchedule Dtl.PTPDatePrev		*Yes*	*No*
PTPDate	*Datetime*	*N/A*	TB_BIL_PaySchedule Dtl.PTPDate		*Yes*	*No*
StartPeriod	*Datetime*	*N/A*	TB_BIL_PaySchedule Dtl.StartPeriod		*No*	*Yes*
EndPeriod	*Datetime*	*N/A*	TB_BIL_PaySchedule Dtl.EndPeriod		*No*	*Yes*
RowVersion	*TimeStamp*	*N/A*	TB_BIL_PaySchedule Dtl.RowVersion		*Yes*	*No*
OverdueAmt	*Decimal*	*18,3*	TB_BIL_PaySchedule Dtl.OverdueAmt		*Yes*	*No*
MaintenanceAmt	*Decimal*	*18,3*	TB_BIL_PaySchedule Dtl.MaintenanceAmt		*Yes*	*No*
CreatedDate	*Datetime*	*N/A*	TB_BIL_PaySchedule Dtl.CreatedDate		*No*	*Yes*
CreatedBy	*Varchar*	*50*	TB_BIL_PaySchedule Dtl.CreatedBy		*No*	*Yes*
LastModifiedDate	*Datetime*	*N/A*	TB_BIL_PaySchedule Dtl.LastModifiedDate		*Yes*	*No*
LastModifiedBy	*Varchar*	*50*	TB_BIL_PaySchedule Dtl.LastModifiedBy		*Yes*	*No*

TB_BIL_PaymentHistory

Field Name	*Data Type*	*Length*	*Source*	*Remarks*	*Nullable*	*Mandatory*
IdTb_BIL_PaymentHistory	*Integer*	*N/A*	TB_BIL_PaymentHistory.IdTb_BIL_PaymentHistory	***Primary Key***	*No*	*Yes*
IdTb_BIL_PayScheduleDtl	*Integer*	*N/A*	TB_BIL_PaymentHistory.IdTb_BIL_PayScheduleDtl	***Foreign Key***	*No*	*Yes*
GiroNumber	*Varchar*	*50*	TB_BIL_PaymentHistory.GiroNumber		*No*	*Yes*

PaymentTransType	*Varchar*	*50*	TB_BIL_PaymentHistory.PaymentTransType		*No*	*Yes*
PaymentDate	*Datetime*	*N/A*	TB_BIL_PaymentHistory.PaymentDate		*Yes*	*No*
PaymentAmt	*Decimal*	*18,3*	TB_BIL_PaymentHistory.PaymentAmt		*Yes*	*No*
RowVersion	*Timestamp*	*N/A*	TB_BIL_PaymentHistory.RowVersion		*Yes*	*No*
CreatedDate	*Datetime*	*N/A*	TB_BIL_PaymentHistory.CreatedDate		*No*	*Yes*
CreatedBy	*Varchar*	*50*	TB_BIL_PaymentHistory.CreatedDate		*No*	*Yes*
PayInstallment	*Decimal*	*18,3*	TB_BIL_PaymentHistory.PayInstallment		*Yes*	*No*
PayVAT	*Decimal*	*18,3*	TB_BIL_PaymentHistory.PayVAT		*Yes*	*No*
PayMaintenanceAmt	*Decimal*	*18,3*	TB_BIL_PaymentHistory.PayMaintenanceAmt		*Yes*	*No*
PayPenalty	*Decimal*	*18,3*	TB_BIL_PaymentHistory.PayPenalty		*Yes*	*No*

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.IdTB_BIL_PayScheduleDtl	***Foreign Key***	*No*	*Yes*
TaskId	*Integer*	*N/A*	TB_BIL_InvoiceReceipt.TaskId		*Yes*	*No*
InvoiceNoInstalment	*Varchar*	*50*	TB_BIL_InvoiceReceipt.InvoiceNoInstalment		*No*	*Yes*
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	*Varchar*	*25*	TB_BIL_InvoiceReceipt.MailStatus		*No*	*Yes*
InvoiceStatus	*Varchar*	*25*	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*	*25*	TB_BIL_InvoiceReceipt.DeliveryBy		*No*	*Yes*
DeliveryRegNo	*Varchar*	*50*	TB_BIL_InvoiceReceipt.DeliveryRegNo		*No*	*Yes*
Remarks	*Varchar*	*200*	TB_BIL_InvoiceReceipt.Remarks		*No*	*Yes*
RemarksSys	*Varchar*	*100*	TB_BIL_InvoiceReceipt.RemarksSys		*No*	*Yes*
RowVersion	*Timestamp*	*N/A*	TB_BIL_InvoiceReceipt.RowVersion		*Yes*	*No*
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*

TB_BIL_InvoiceEmail

Field Name	*Data Type*	*Length*	*Source*	*Remarks*	*Nullable*	*Mandatory*
IdTb_BIL_InvoiceEmail	*Integer*	*N/A*	TB_BIL_InvoiceEmail.IdTB_BIL_InvoiceEmail	***Primary Key***	*No*	*Yes*
IdOPLAgreement	*Integer*	*N/A*	TB_BIL_PayScheduleDtl.IdTB_BIL_PayScheduleDtl	***Foreign Key***	*No*	*Yes*
PICEmail	*Varchar*	*100*	TB_BIL_InvoiceEmail.PICEmail		*No*	*Yes*
Email	*Varchar*	*100*	TB_BIL_InvoiceEmail.Email		*No*	*Yes*
RowVersion	*Timestamp*	*N/A*	TB_BIL_InvoiceEmail.RowVersion		*Yes*	*No*
CreatedDate	*Datetime*	*N/A*	TB_BIL_InvoiceEmail.CreatedDate		*No*	*Yes*
CreatedBy	*Varchar*	*50*	TB_BIL_InvoiceEmail.CreatedBy		*No*	*Yes*
LastModifiedDate	*Datetime*	*N/A*	TB_BIL_InvoiceEmail.LastModifiedDate		*Yes*	*No*
LastModifiedBy	*Varchar*	*50*	TB_BIL_InvoiceEm		*Yes*	*No*

			ail.LastModifiedBy			

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*
IdOPAgreement	*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_MTN_HistoryMT.Workshop		*Yes*	*No*
VATAmt	*Decimal*	*18,3*	TB_MTN_HistoryMT..PPNTax		*Yes*	*No*
PPHAmt	*Decimal*	*18,3*	TB_MTN_HistoryMT..PPHTax		*Yes*	*No*
TotalIncludeTax	*Decimal*	*18,3*	TB_MTN_HistoryMT.MTActualCost – PPHAmt + VATAmt		*Yes*	*No*
CreatedDate	*Datetime*	*N/A*	TB_BIL_MaintenanceDtl.CreatedDate		*Yes*	*No*
CreatedBy	*Varchar*	*50*	TB_BIL_MaintenanceDtl.CreatedBy		*Yes*	*No*
LastModifiedDate	*Datetime*	*N/A*	TB_BIL_MaintenanceDtl.LastModifiedDate		*Yes*	*No*
LastModifiedBy	*Varchar*	*50*	TB_BIL_MaintenanceDtl.LastModifiedBy		*Yes*	*No*

TB_BIL_ReminderMemo

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

CreatedBy	*Varchar*	*50*	TB_BIL_ReminderMemo.CreatedBy		*No*	*Yes*
LastModifiedDate	*Datetime*	*N/A*	TB_BIL_ReminderMemo.LastModifiedDate		*No*	*Yes*
LastModifiedBy	*Varchar*	*50*	TB_BIL_ReminderMemo.LastModifiedBy		*No*	*Yes*

TB_BIL_PaySchedule_History

Field Name	*Data Type*	*Length*	*Source*	*Remarks*	*Nullable*	*Mandatory*
ProcessId	*Integer*	*N/A*	TB_BIL_PaySchedule_History.ProcessId	***Primary Key*** *New GUID*	*No*	*Yes*
OriginalId	*Integer*	*N/A*	TB_BIL_BIL_PaySchedule_History.OriginalId	***Foreign Key***	*No*	*Yes*
CreatedDate	*Datetime*	*N/A*	TB_BIL_BIL_PaySchedule_History.CreatedDate		*No*	*Yes*
CreatedBy	*Varchar*	*50*	TB_BIL_BIL_PaySchedule_History.CreatedBy		*No*	*Yes*
Action	*Varchar*	*100*	TB_BIL_BIL_PaySchedule_History.Action		*No*	*Yes*

TB_BIL_ PaySchedule _History_Dtl

Field Name	*Data Type*	*Length*	*Source*	*Remarks*	*Nullable*	*Mandatory*
ProcessId	*Integer*	*N/A*	TB_BIL_PaySchedule_HistoryDtl	***Primary Key***	*No*	*Yes*
IdTB_BIL_PaySchedule	*Integer*	*N/A*	TB_BIL_PaySchedule.IdTB_BIL_PaySchedule		*Yes*	*No*
IdOPLAgreement	*Integer*	*N/A*	OPLAgreement.IdOPLAgreement		*Yes*	*No*
CollectionAmt	*Decimal*	*18,3*	TB_BIL_PaySchedule.CollectionAmt		*Yes*	*No*
BillingTotal	*Decimal*	*18,3*	TB_BIL_PaySchedule.BillingTotal		*Yes*	*No*
Remarks	*Varchar*	*200*	TB_BIL_PaySchedule.Remarks		*Yes*	*No*
RemarksSys	*Varchar*	*100*	TB_BIL_PaySchedule.RemarksSys		*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*

TB_BIL_PayScheduleDtl_History

Field Name	*Data Type*	*Length*	*Source*	*Remarks*	*Nullable*	*Mandatory*
ProcessId	*Integer*	*N/A*	TB_BIL_PaySchedule Dtl_History.ProcessI d	***Primary Key*** *New GUID*	*No*	*Yes*
OriginalId	*Integer*	*N/A*	TB_BIL_PaySchedule Dtl_History.OriginalI d	***Foreign Key***	*No*	*Yes*
CreatedDate	*Datetime*	*N/A*	TB_BIL_PaySchedule Dtl_History.CreatedD ate		*No*	*Yes*
CreatedBy	*Varchar*	*50*	TB_BIL_PaySchedule Dtl_History.CreatedB y		*No*	*Yes*
Action	*Varchar*	*100*	TB_BIL_PaySchedule Dtl_History.Action		*No*	*Yes*

TB_BIL_ PayScheduleDtl _History_Dtl

Field Name	*Data Type*	*Length*	*Source*	*Remarks*	*Nullable*	*Mandatory*
ProcessId	*Integer*	*N/A*	TB_BIL_PaySchedule Dtl.ProcessId	***Primary key*** *New GUID*	*No*	*Yes*
IdTB_BIL_PaySche duleDtl	*Integer*	*N/A*	TB_BIL_PaySchedule Dtl.IdTB_BIL_PayS cheduleDtl		*No*	*Yes*
IdTB_PaySchedule	*Integer*	*N/A*	TB_BIL_PaySchedule Dtl.IdTB_PaySched ule		*No*	*Yes*
PaymentSchedule	*Datetime*	*N/A*	TB_BIL_PaySchedule Dtl.PaymentSchedu le		*No*	*Yes*
BillingAmt	*Decimal*	*18,3*	TB_BIL_PaySchedule Dtl.BillingAmt		*No*	*Yes*
ExpectationCollecti onAmount	*Decimal*	*18,3*	TB_BIL_PaySchedule Dtl.ExpectationColl ectionAmount		*Yes*	*No*
InvoiceIssueDate	*Datetime*	*N/A*	TB_BIL_PaySchedule Dtl.InvoiceIssueDa te		*Yes*	*No*
CollectionAmt	*Decimal*	*18,3*	TB_BIL_PaySchedule Dtl.CollectionAmt		*Yes*	*No*
isBreakdown	*Boolean*	*1*	TB_BIL_PaySchedule Dtl.isBreakdown		*Yes*	*No*
BreakdownAmt	*Decimal*	*18,3*	TB_BIL_PaySchedule Dtl.BreakdownAmt		*Yes*	*No*
PenaltyAmt	*Decimal*	*18,3*	TB_BIL_PaySchedule Dtl.PenaltyAmt		*Yes*	*No*

OverdueDays	*Integer*	*5*	TB_BIL_PaySchedule Dtl.OverdueDays		*Yes*	*No*
VATAmt	*Decimal*	*18,3*	TB_BIL_PaySchedule Dtl		*Yes*	*No*
isPPH	*Boolean*	*1*	TB_BIL_PaySchedule Dtl.VATAmt		*Yes*	*No*
isSpecialCondition	*Boolean*	*1*	TB_BIL_PaySchedule Dtl.isSpecialCondition		*No*	*Yes*
SpecialDateInvoice	*Datetime*	*N/A*	TB_BIL_PaySchedule Dtl.SpecialDateInvoice		*No*	*Yes*
PPHAmt	*Decimal*	*18,3*	TB_BIL_PaySchedule Dtl.PPHAmt		*Yes*	*No*
isVATPaid	*Boolean*	*1*	TB_BIL_PaySchedule Dtl.isVATPaid		*Yes*	*No*
Remarks	*Varchar*	*200*	TB_BIL_PaySchedule Dtl.Remarks		*Yes*	*No*
RemarksSys	*Varchar*	*100*	TB_BIL_PaySchedule Dtl.RemarksSys		*Yes*	*No*
isDraft	*Boolean*	*1*	TB_BIL_PaySchedule Dtl.isDraft		*No*	*Yes*
isValid	*Boolean*	*1*	TB_BIL_PaySchedule Dtl.isValid		*No*	*Yes*
isOverdue	*Boolean*	*1*	TB_BIL_PaySchedule Dtl.isOverdue		*No*	*Yes*
OverdueBucket	*Integer*	*2*	TB_BIL_PaySchedule Dtl.OverdueBucket		*Yes*	*No*
RALIssueDate	*Datetime*	*N/A*	TB_BIL_PaySchedule Dtl.RALIssueDate		*Yes*	*No*
BillingStatus	*Char*	*1*	TB_BIL_PaySchedule Dtl.BillingStatus		*No*	*Yes*
PTPDatePrev	*Datetime*	*N/A*	TB_BIL_PaySchedule Dtl.PTPDatePrev		*Yes*	*No*
PTPDate	*Datetime*	*N/A*	TB_BIL_PaySchedule Dtl.PTPDate		*Yes*	*No*
StartPeriod	*Datetime*	*N/A*	TB_BIL_PaySchedule Dtl.StartPeriod		*No*	*Yes*
EndPeriod	*Datetime*	*N/A*	TB_BIL_PaySchedule Dtl.EndPeriod		*No*	*Yes*
RowVersion	*TimeStamp*	*N/A*	TB_BIL_PaySchedule Dtl.RowVersion		*Yes*	*No*
OverdueAmt	*Decimal*	*18,3*	TB_BIL_PaySchedule Dtl.OverdueAmt		*Yes*	*No*
MaintenanceAmt	*Decimal*	*18,3*	TB_BIL_PaySchedule Dtl.MaintenanceAmt		*Yes*	*No*
CreatedDate	*Datetime*	*N/A*	TB_BIL_PaySchedule Dtl.CreatedDate		*No*	*Yes*
CreatedBy	*Varchar*	*50*	TB_BIL_PaySchedule Dtl.CreatedBy		*No*	*Yes*
LastModifiedDate	*Datetime*	*N/A*	TB_BIL_PaySchedule Dtl.LastModifiedDate		*Yes*	*No*
LastModifiedBy	*Varchar*	*50*	TB_BIL_PaySchedule Dtl.LastModifiedBy		*Yes*	*No*

TB_BIL_InvoiceReceipt_History

Field Name	*Data Type*	*Length*	*Source*	*Remarks*	*Nullable*	*Mandatory*
ProcessId	*Integer*	*N/A*	TB_BIL_InvoiceReceipt_History.ProcessId	***Primary Key*** *New GUID*	*No*	*Yes*
OriginalId	*Integer*	*N/A*	TB_BIL_InvoiceReceipt_History.OriginalId	***Foreign Key***	*No*	*Yes*
CreatedDate	*Datetime*	*N/A*	TB_BIL_InvoiceReceipt_History.CreatedDate		*No*	*Yes*
CreatedBy	*Varchar*	*50*	TB_BIL_InvoiceReceipt_History.CreatedBy		*No*	*Yes*
Action	*Varchar*	*100*	TB_BIL_InvoiceReceipt_History.Action		*No*	*Yes*

TB_BIL_InvoiceReceipt_History_Dtl

Field Name	*Data Type*	*Length*	*Source*	*Remarks*	*Nullable*	*Mandatory*
ProcessId	*Integer*	*N/A*	TB_BIL_InvoiceReceipt.ProcessId	***Primary Key*** *New GUID*	*No*	*Yess*
IdTB_BIL_Invoice Receipt	*Integer*	*N/A*	TB_BIL_InvoiceReceipt.IdTB_BIL_InvoiceReceipt		*No*	*Yes*
IdTB_BIL_PayScheduleDtl	*Integer*	*N/A*	TB_BIL_PayScheduleDtl.IdTB_BIL_PayScheduleDtl		*No*	*Yes*
TaskId	*Integer*	*N/A*	TB_BIL_InvoiceReceipt.TaskId		*Yes*	*No*
InvoiceNoInstalment	*Varchar*	*50*	TB_BIL_InvoiceReceipt.InvoiceNoInstalment		*No*	*Yes*
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	*Varchar*	*25*	TB_BIL_InvoiceReceipt.MailStatus		*No*	*Yes*
InvoiceStatus	*Varchar*	*25*	TB_BIL_InvoiceReceipt.InvoiceStatus		*No*	*Yes*
DocumentType	*Varchar*	*25*	TB_BIL_InvoiceRec		*Yes*	*No*

			eipt.DocumentType			
DeliveryDate	*Datetime*	*N/A*	TB_BIL_InvoiceReceipt.DeliveryDate		*No*	*Yes*
DeliveryBy	*Varchar*	*25*	TB_BIL_InvoiceReceipt.DeliveryBy		*No*	*Yes*
DeliveryRegNo	*Varchar*	*50*	TB_BIL_InvoiceReceipt.DeliveryRegNo		*No*	*Yes*
Remarks	*Varchar*	*200*	TB_BIL_InvoiceReceipt.Remarks		*No*	*Yes*
RemarksSys	*Varchar*	*100*	TB_BIL_InvoiceReceipt.RemarksSys		*No*	*Yes*
RowVersion	*Timestamp*	*N/A*	TB_BIL_InvoiceReceipt.RowVersion		*Yes*	*No*
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*

TB_BIL_MaintenanceDtl_History

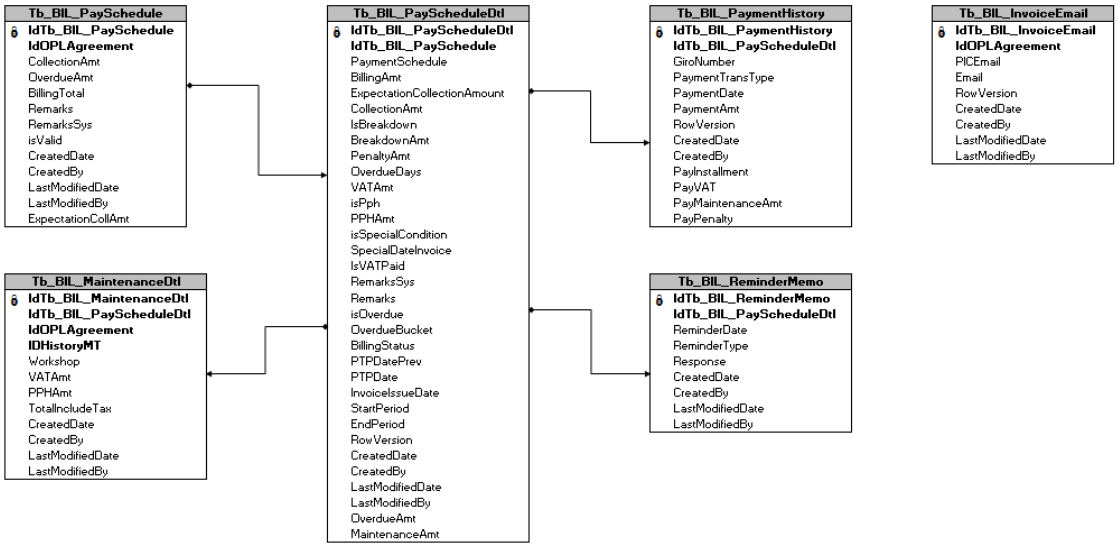
Field Name	*Data Type*	*Length*	*Source*	*Remarks*	*Nullable*	*Mandatory*
ProcessId	*Integer*	*N/A*	TB_BIL_PayScheduleDtl_History.ProcessId	***Primary Key*** *New GUID*	*No*	*Yes*
OriginalId	*Integer*	*N/A*	TB_BIL_PayScheduleDtl_History.OriginalId	***Foreign Key***	*No*	*Yes*
CreatedDate	*Datetime*	*N/A*	TB_BIL_PayScheduleDtl_History.CreatedDate		*No*	*Yes*
CreatedBy	*Varchar*	*25*	TB_BIL_PayScheduleDtl_History.CreatedBy		*No*	*Yes*
Action	*Varchar*	*100*	TB_BIL_PayScheduleDtl_History.Action		*No*	*Yes*

TB_BIL_MaintenanceDtl_History_Dtl

Field Name	*Data Type*	*Length*	*Source*	*Remarks*	*Nullable*	*Mandatory*
ProcessId	*Integer*	*N/A*	TB_BIL_MaintenanceDtl_History.ProcessId	***Primary Key*** *New GUID*	*No*	*Yes*
IdTB_BIL_MaintenanceDtl	*Integer*	*N/A*	TB_BIL_MaintenanceDtl.IdTB_BIL_Maint		*No*	*Yes*

			enanceDtl			
IdTB_BIL_PayScheduleDtl	*Integer*	*N/A*	TB_BIL_PayScheduleDtl.IdTB_BIL_PayScheduleDtl		*No*	*Yes*
IdOPAgreement	*Integer*	*N/A*	OPLAgreement.IdOPLAgreement		*No*	*Yes*
IDHistoryMT	*Integer*	*N/A*	TB_MTN_HistoryMT.IdHistoryMT		*No*	*Yes*
Workshop	*Varchar*	*100*	TB_MTN_HistoryMT.Workshop		*Yes*	*No*
VATAmt	*Decimal*	*18,3*	TB_MTN_HistoryMT..PPNTax		*Yes*	*No*
PPHAmt	*Decimal*	*18,3*	TB_MTN_HistoryMT..PPHTax		*Yes*	*No*
TotalIncludeTax	*Decimal*	*18,3*	TB_MTN_HistoryMT.MTActualCost – PPHAmt + VATAmt		*Yes*	*No*
CreatedDate	*Datetime*	*N/A*	TB_BIL_MaintenanceDtl.CreatedDate		*Yes*	*No*
CreatedBy	*Varchar*	*50*	TB_BIL_MaintenanceDtl.CreatedBy		*Yes*	*No*
LastModifiedDate	*Datetime*	*N/A*	TB_BIL_MaintenanceDtl.LastModifiedDate		*Yes*	*No*
LastModifiedBy	*Varchar*	*50*	TB_BIL_MaintenanceDtl.LastModifiedBy		*Yes*	*No*

3.10 Entity Relationship Diagram



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