Operating Lease Support System Phase-2 Project
for

DIPO STAR FINANCE
Solusi Kredit Otomotif Terpercaya

Functional Specification
FC.AD.2.1
Maintenance Schedule Creation

Revision 2.0

PT. Berlian Sistem Informasi
KTB Annex Bld. 4th Floor, Jl. Jend. A. Yani. Pulomas,
Tel. +62 21 4786 7575 (Hunting) Fax. +62 21 4714964 www.bsi.co.id

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

Document Control

Author	Dimas Oktarianto
File Name	TM15404A-FSP-FC.AD.2.1_Maintenance Schedule Creation_Rev 2.0
Path	\OPRLEASE-P2\Deliverable Based-2\Working\04.Design\04.02 Functional Spesification\TM15404A-FSP-FC.AD.2.1_Maintenance Schedule Creation_Rev 2.0.docx
Number of Pages	24

Revision History

Date	Revision	Description	Author
09/11/2015	0.0	Initial Creation	Dimas Oktarianto
17/12/2015	0.1	QCO Review : - Revise Screen Date / Time into Date (page 11). - Revise Shorting into sorting (page 19). - Revise Source Data Structure into Tb_OPL_Branch.BranchShortName (Page 20). - Revise Data Type from boleean into 2oolean (Page 21).	Dimas Oktarianto
04/01/2016	0.2	QCO Review : - Revise Data Type for KM from Integer to Decimal (Page 20). - Revise Distribution list and document approval.	Dimas Oktarianto
12/01/2016	1.0	1st Baseline	Dimas Oktarianto
07/06/2016	1.1	Adding changes at development	Dimas Oktarianto
14/06/2016	2.0	2nd Baseline	Grand Zah Putra

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

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. Dimas Oktarianto	Berlian Sistem Informasi, PT	BSI Business Analyst

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

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. Dimas Oktarianto		

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

TABLE OF CONTENTS

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

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 AD.2.1 Maintenance Schedule Creation.

Here are the scope for AD.2.1 Maintenance Schedule Creation :

1. AD.2.1.1 View List of Maintenance Agreement

To view List Maintenance of Unit based on Agreement and Unit Management.

2. AD.2.1.2 Update Schedule

Update schedule Maintenance of OPL unit and Replacement Unit.

Output from this function is :

1. RPT.AD.2.2. Report Monthly Maintenance Unit

1.3 Definitions, Acronyms, and Abbreviations

List of definitions that are used in this document :

a. WO = Work Order.

b. MU = Maintenance Unit.

c. OPL = Operating Lease.

d. BAST = Berita Acara Serah Terima / Handover Report.

1.4 References

This functional specification document refers to **"To Be Design" BSI Unit/ Vehicle Maintenance Process**, module:

1. AD.2.1 Maintenance Schedule Creation.

2 Configuration

N/A

3 Process Specification: AD.2.1 Maintenance Schedule Creation

3.1 Purpose

Screen of Maintenance Schedule Creation will be used by PIC Maintenance to monitor and

update schedule maintenance of unit. This Screen Function consist of view list of maintenance agreement, and update schedule.

This function covered by **"Maintenance Schedule Creation"** screen.

3.2 Screen of Configuration Access

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

User	Create	Read	Update	Authorization
PIC Maintenance	-	V	V	V
Admin	-	V	-	V

Legend: V = Have the Access

Note:

1. Create : related to create maintenance schedule.
2. Read: related to read display data List of Maintenance Agreement
3. Update: related to update schedule maintenance of unit.
4. Authorization: related to access screen.

3.3 Screen Functionality

a. Display List of Maintenance Agreement.
b. Create Schedule for New Replacement Unit.
c. Update Schedule Maintenance of Unit.
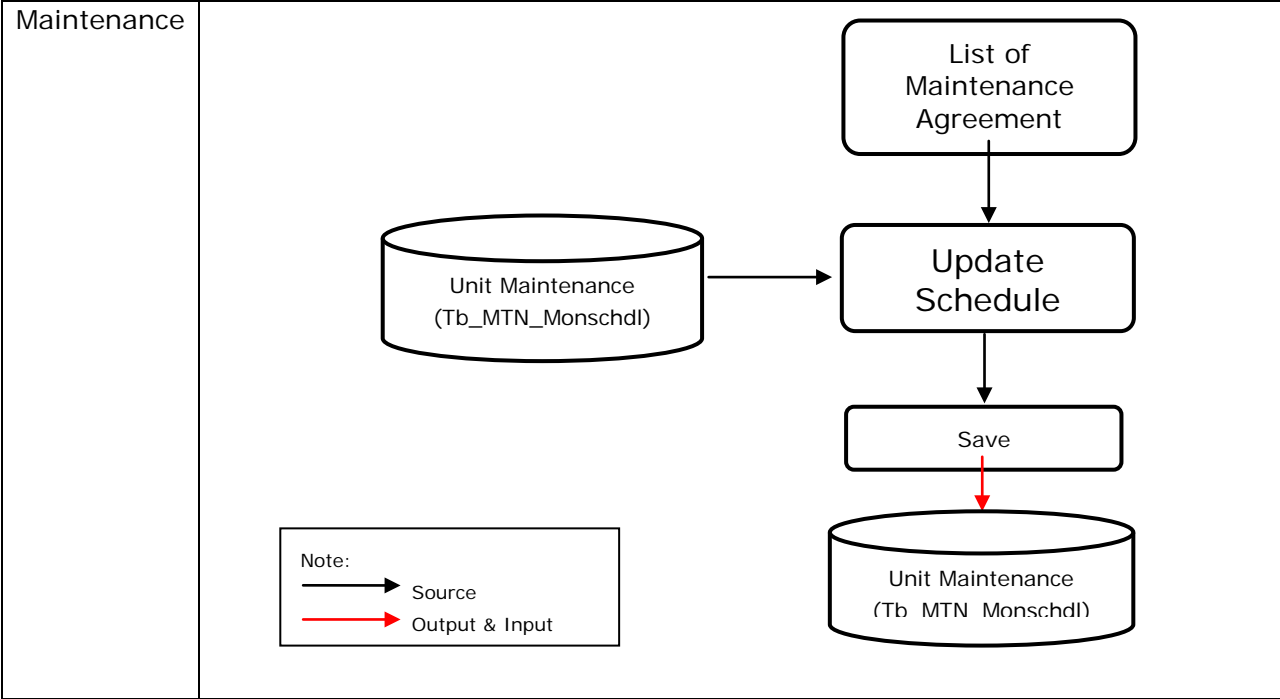
3.4 Operation Flow

Below is operation flow for Maintenance Schedule Creation process referring to **To Be Design Document Unit/ Vehicle Maintenance**, AD.2.1. Maintenance Schedule Creation:
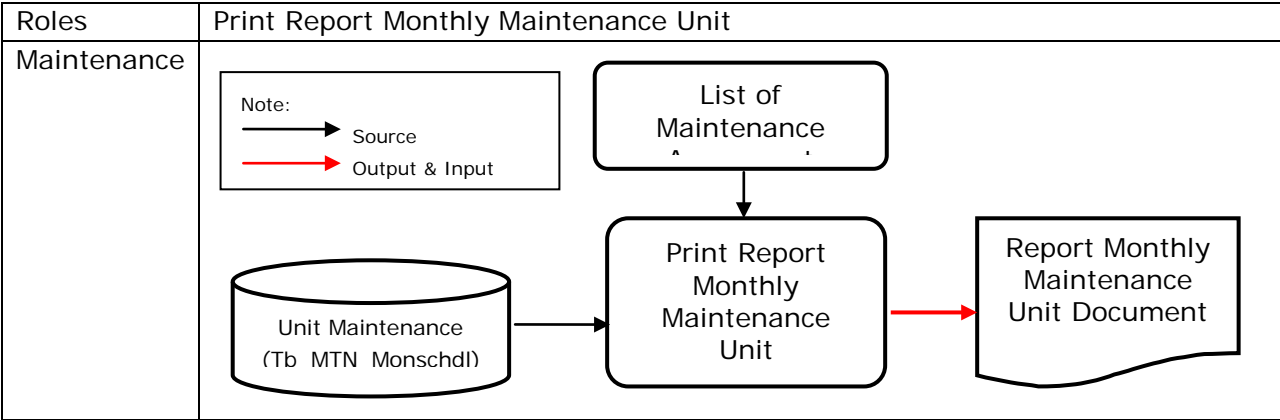
Roles	Show List of Maintenance Agreement
Maintenance	
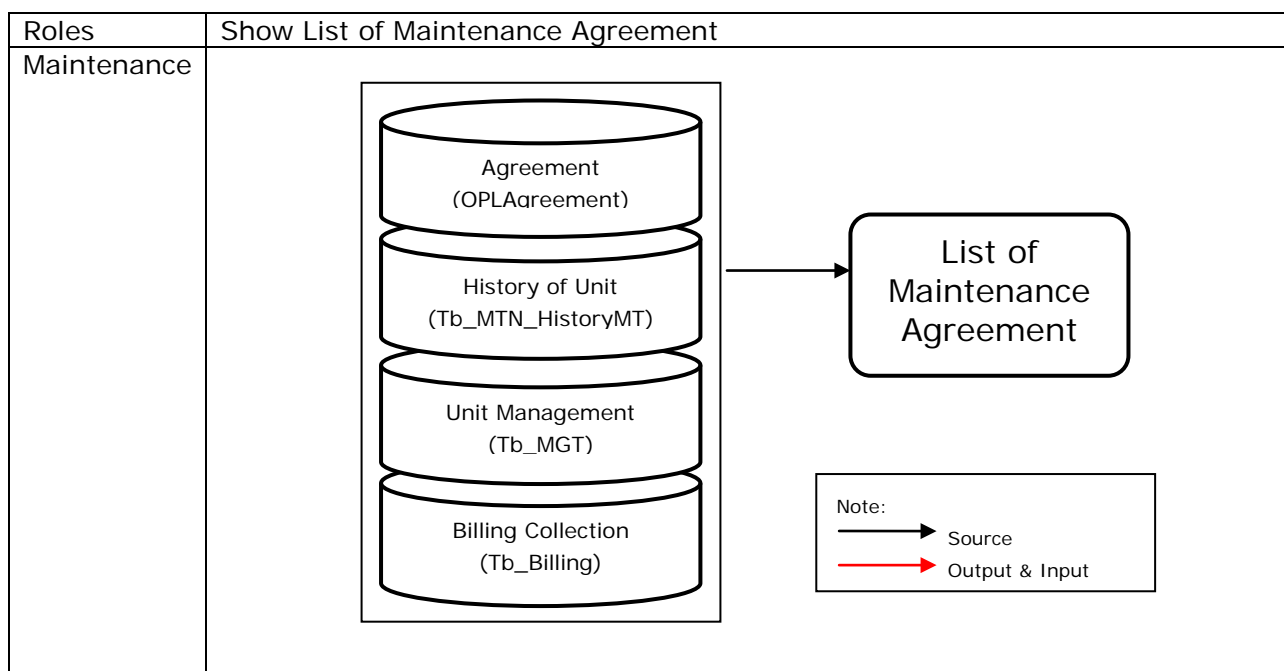
Below is operation flow of 'Maintenance Schedule Creation' which is used to input and update schedule for replacement unit by PIC Maintenance:

Roles	Update Schedule

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

Maintenance	

Below is operation flow of 'Maintenance Schedule Creation' which is used to Print Report:

Roles	Print Report Monthly Maintenance Unit
Maintenance	

3.5 Screen Detail

- Screen design of 'List of maintenance agreement', which will be used as an initial screen for Monitoring schedule maintenance of unit and also is used as input and update schedule for Replacement Unit.

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

Screen 1. List of Maintenance Agreement

Screen 2. List of Maintenance Agreement

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

Screen 3. Pop up Confirmation

3.6 Component Screen Functionality

Here are the screen functions from each component in Maintenance Schedule Creation screen:

No	Component	Name	Function
Header			
1.	Label	List of Maintenance Agreement	List of Maintenance Agreement title
Search Criteria			
2.	Drop down box	Search Criteria	To Select Category for searching maintenance data
3.	Text Field	Parameter	To input parameter for searching maintenance data
4.	Date Picker	Start Service Date	To input start Service Date based on update date when submit maintenance data
5.	Date Picker	End Service Date	To input end Service Date based on update date when submit maintenance Data
6.	Button	Search	To search maintenance data based on selected criteria

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

List of Maintenance Agreement			
7.	Drop down box	Show Entry	To select number of row data that will be displayed in one screen (paging)
8.	Button	Sort	To sort data on table list of Maintenance, ascending and descending
9.	Label	DSF Office	To display DSF Branch Office
10.	Label	Unit Type	To display type of unit, OPL unit or replacement unit
11.	Label	Agreement Number	To display agreement
12.	Label	Police Number	To display Police number of unit
13.	Label	Maintenance Type	To display maintenance type of unit
14.	Label	Maintenance Category	To display category maintenance of unit
15.	Label	End Contract	To display maintenance end contract of unit
16.	Label	Last Service	To display last service date of unit
17.	Label	Schedule Maintenance	To display schedule maintenance
18.	Label	KM	To display KM of Unit
19.	Label	Actual KM	To display Actual KM of Unit
20.	Label	Schedule Date	To display date of maintenance
21.	Label	Maintenance Budget	To display budget maintenance of unit
22.	Label	Overdue	To display overdue budget of unit
23.	Label	Confirmation to Customer	To display Confirmation to Customer
24.	Checkbox	Confirm	To Show already confirm to customer
25.	Date	Date	To display date from system
26.	Date	Schedule	To display request schedule from customer
27.	Label	List Workshop	To display selected workshop
28.	Label	Confirm	To display Confirmation to Workshop
29.	Checkbox	Confirm	To Show already confirm to workshop
30.	Date	Start Date	To display start date
31.	Date	End Date	To display end date
32.	Button	Update	To Update schedule, KM, Confirmation to Workshop, Confirmation to Customer

33.	Label	Work Order	To display button work order
34.	Button	Create Work Order	To create Work Order
35.	Button	Edit Work Order	To Edit Work Order
36.	Button	View List WO	To View List of Work Order
37.	Label	Status	To Display Last Status Work Order
38.	Button	Historical	To go into menu service history inquiry
39.	Label	Showing N to M of X entries	Displaying Maintenance data sequence and the total of maintenance data
40.	Link	First Page	To display first entries page of maintenance data
41.	Link	Previous Page	To display the previous entries page of maintenance data
42.	Link	Page Number	Displaying the Page Number of the List
43.	Link	Next Page	To display the next entries page of maintenance data
44.	Link	Last Page	To show the last page entry
Footer			
45.	Button	Print Report	To Print the report from list of maintenance agreement

Here are the screen functions from each component in Pop Up Maintenance Schedule Creation screen :

No	Component	Name	Function
Header			
1.	Label	Update Maintenance Agreement	Update Maintenance Agreement title
Update Maintenance Agreement			
2.	Label	Confirmation to Customer	To display Confirmation to Customer
3.	Checkbox	Confirmation to Customer	To checklist confirmation to customer
4.	Date Picker	Confirmation Date	To display System Date
5.	Date Picker	Schedule Date	To Input Request Date from Customer
6.	Label	Confirmation to Workshop	To display Confirmation to Workshop
7.	Label	Maintenance Category	To display category maintenance of unit
8.	Checkbox	Confirmation to Workshop	To checklist confirmation to workshop
9.	Dropdown Box	List Workshop	To display list workshop
10.	Date Picker	Start Date	To input start date for maintenance

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

11.	Date Picker	End Date	To input end date for maintenance
12.	Text Field	Actual KM	To Input Actual KM
13.	Text Field	Category MT	To input category maintenance • Regular. • Irregular. • Insurance Claim.
14.	Text Field	Maintenance Budget	To Input Budget Maintenance replacement unit.
Footer			
15.	Button	Save	To save the update
16.	Button	Close	To Close Pop Up

3.7 Operation Description

No.	Operation Name	Description
1	Initial view of List of Maintenance Agreement	The screen for List of Maintenance Agreement: 1. Component Status;

Component	Name/Caption	Status	Remark
Drop down box	User Name	Active	
Drop down	Search Criteria	Active	
Field Text	Parameter	Active	
Date Picker	Start Period	Active	
Date Picker	End Period	Active	
Button	Search	Active	
Drop down box	Show Entries	Active	As initial by default number of show entries list that will be display is 10
Button	Sort	Active	
Label	DSF Office	Not Active	
Label	Unit Type	Not Active	
Label	Agreement Number	Not Active	
Label	Police Number	Not Active	
Label	Maintenance Type	Not Active	
Label	Maintenance Category	Not Active	
Label	End Contract	Not Active	
Label	Last Service	Not Active	
Label	Schedule Maintenance	Not Active	
Label	KM	Not Active	
Label	Actual KM	Not Active	
Label	Schedule Date	Not Active	
Label	Maintenance Budget	Not Active	
Label	Overdue	Not Active	
Label	Confirmation to Customer	Not Active	
Checkbox	Confirm	Not Active	Active when view in 14 tab

				and 1 day tab
	Date	Date	Not Active	Fill by user
	Date	Request Date	Not Active	Active when view in 14 tab and 1 day tab
	Button	Next Page	Active	Active depending on the current entry
	Button	Last Page	Active	Active depending on the current entry
	Label	Confirmation to Workshop	Not Active	
	Dropdown Box	Workshop	Active	Show in Pop Up Menu Screen
	CheckBox	Confirm	Active	Show in Pop Up Menu Screen
	Date Picker	Start Date	Active	Show in Pop Up Menu Screen
	Date Picker	End Date	Active	Show in Pop Up Menu Screen
	Button	Update	Active	Active depending on unit type and when view in 14 tab and 1 day tab
	Label	Work Order	Not Active	
	Button	Create Work Order	Not Active	Active depending on unit type and when view in 14 tab and 1 day tab
	Button	Edit Work Order	Not Active	Active depending on unit type and when view in 14 tab and 1 day tab
	Button	View Work Order	Not Active	Active depending on unit type and when view in 14 tab and 1 day tab
	Label	Status	Not Active	
	Field Text	Status	Not Active	Mandatory Field last status Work Order

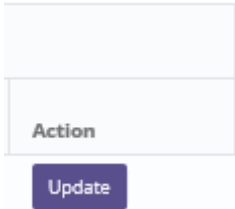|		Button	Historical	Not Active	Active when view 14 day tab, 1 day tab, and on due date
		Label	Showing N to M of X entries	Not Active	
		Link	First Page	Active	Active depending on the current entry
		Link	Previous Page	Active	Active depending on the current entry
		Link	Page Number	Not Active	
		Link	Next Page	Active	Active depending on the current entry
		Link	Last Page	Active	Active depending on the current entry
		Button	Print Report	Active	
2	Display List of Maintenance Agreement	Input: 1. Access menu OLSS 2. Select menu Maintenance 3. Select sub menu view list of maintenance agreement 4. Select number of show list entries : 10, 25, 50, and 100 Process: 1. System will displays data on List of maintenance agreement with upcoming service date in ascending order. 2. Data that will be displayed are Agreement data with maintenance based on the Tb_OPL_Branch, Agreement (OPL_Agreement.AgreementNumber, OPL_Agreement.MaintenanceType, EndPeriodDate), Maintenance (Tb_MTN_Monschdl.ServiceDate), Unit Management (TB_MGT.UnitType), (TB_MGT.PoliceNumber), Billing (TB_Billing.Overdue). 3. Work Order Data on Field work order displayed the latest Status WO. 4. Based on **Screen 1. List of Maintenance Agreement**, information related to Maintenance Agreement that will be displayed automatically are: a. DSF Office (source : Tb_MTN_Monschdl.DSFOffice) b. Unit Type (source : Tb_MTN_Monschdl.UnitType) c. Agreement Number (source : Tb_MTN_Monschdl.AgreementNumber) d. Police Number (source : Tb_MTN_Monschdl.PoliceNumber) e. Maintenance Type (source : Tb_MTN_Monschdl.MaintenanceType) f. End Contract (source : Tb_MTN_Monschdl.EndContract) g. Last Service (source : Tb_MTN_Monschdl.LastService) h. KM (source : Tb_MTN_Monschdl.KM) i. Actual KM (Source : Tb_MTN_Monschdl.ActualKM) j. Schedule Date (source : Tb_MTN_Monschdl.ScheduleDate) k. Maintenance Budget (source : Tb_MTN_Monschdl.MaintenanceBudget) l. Overdue (source : Tb_MTN_Monschdl.Overdue)				

5. System will display data row based on selected show number entries.

Output:
1. Display list of all Agreement with maintenance data
2. System will displays data on List of maintenance agreement with upcoming service date in ascending order.

Alternative:
N/A

3	Searching List of Maintenance Agreement at List of Maintenance Agreement	Input:

Input:
1. Access menu OLSS
2. Select menu Maintenance
3. Select sub menu view list of maintenance agreement
4. Select Search Criteria Drop down boxand click among these:

Criteria Searching	Constraint Input
Police Number	varchar
Agreement Number	varchar
DSF Office	varchar
Unit Type	varchar
Maintenance Type	varchar
Maintenance Category	varchar
End Contract	Date
Last Service	Date
KM	Number
Maintenance Budget	Number

5. Select Start and End date period to filter based on the End Contract, Last Service, Schedule Date.
Constraint :
   a. End Period can not be less than Start Period (the End Period will be locked for the date before Start Date).
   b. Start Period can not be less than End Period (the Start Period will be locked for the date after End Date)
   c. Default Searching period for list of maintenance category based on Service Schedule Date.
6. Click Search button Search
7. Select number of show list entries : 10, 25, 50, and 100

Process:
1. User can only choose one search criteria to be searched
2. When user click search button, system will displays data on List of Maintenance Agreement based on the selected criteria searching. Formula:
   2.1. If user input Criteria Searching, Criteria Searching parameter, Start Date, and End Date period, system displays data based on selected criteria searching on selected range end contract, Last Service, Schedule Date.
   2.2. If user input both of Criteria Searching, Criteria Searching parameter and Start Date, system displays data based on selected criteria searching start from selected Schedule Date until the latest Schedule date.
   2.3. If user input both of Criteria Searching, Criteria Searching parameter and End Date, system displays data based on selected criteria searching start from the oldest Schedule date until selected update date.
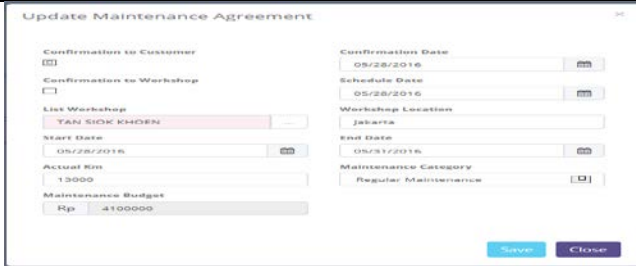
Project Code :	TM15404A
Project Name :	Operating Lease Support System Phase-2

2.4. If user input Criteria Searching and its parameter only, system displays all of the list of maintenance agreement data based on the criteria searching only.

3. Data that will be displayed are data based on the newest Maintenance agreement date (TB_MTN_Monschdl).

4. Based on **Screen 1. List of Maintenance Agreement**, informations related to Maintenance Agreement that will be displayed automatically are:
   m. DSF Office (source : Tb_MTN_Monschdl.DSFOffice)
   n. Unit Type (source : Tb_MTN_Monschdl.UnitType)
   o. Agreement Number (source : Tb_MTN_Monschdl.AgreementNumber)
   p. Police Number (source : Tb_MTN_Monschdl.PoliceNumber)
   q. Maintenance Type (source : Tb_MTN_Monschdl.MaintenanceType)
   r. End Contract (source : Tb_MTN_Monschdl.EndContract)
   s. Last Service (source : Tb_MTN_Monschdl.LastService)
   t. KM (source : Tb_MTN_Monschdl.KM)
   u. Schedule Date (source : Tb_MTN_Monschdl.ScheduleDate)
   v. Maintenance Budget (source : Tb_MTN_Monschdl.MaintenanceBudget)
   w. Overdue (source : Tb_MTN_Monschdl.Overdue)

5. System will display data row based on selected show number entries

Output:
1. Display list of all Maintenance Agreement data based on the search result in descending order.

Alternative:
N/A

4	Print Report	Input: 1. Access menu OLSS 2. Select menu Maintenance 3. Select sub menu view list of maintenance agreement 4. Select Search Criteria Drop down box and click among these:

Criteria Searching	Constraint Input
DSF Office	Varchar
Unit Type	Varchar
Agreement Number	Varchar
Police Number	Varchar
Maintenance Type	varchar
Maintenance Category	varchar
End Contract	Date
Last Service	Date
KM	Number
Maintenance Budget	Number

5. Select Start and End date period to filter based on the Schedule Date.

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

6. Click Search button [Search].
7. Click Print Report button

Process:
1. User can view list of maintenance agreement data which will be printed, in list of maintenance search result list.
2. System will display list of maintenance Agreement in Ms.Excel with file name as below format:
   List of Maintenance Agreement Report_MMddyyyy_hhmm
   Then User can convert that file into PDF format and save file into selected path
   Note :
   MMddyyyy → month,day,year when report printed
   hhmm → hours, minute when report printed
3. Informations related to Maintenance that will be printed are:
   a. DSF Office
   b. Unit Type
   c. Agreement Number
   d. Police Number
   e. Maintenance Type
   f. Maintenance Category
   g. End Contract
   h. Last Service
   i. KM
   j. Schedule Date
   k. Maintenance Budget
   l. Overdue
4. Maintenance data will be sorted based on Maintenance date service at Maintenance Report
Output:
1. Printed out report list **RPT.AD.2.2 List Maintenance Report**

Alternative:
N/A

5	Input and update schedule for replacement unit	Input: 1. Access menu OLSS 2. Select menu Maintenance 3. Select sub menu List of Maintenance 4. Choose replacement unit on unit type 5. Click Update button for Update schedule maintenance on schedule date, Confirmation to Customer, Confirmation to Workshop, Actual Mileage. Action Update Constraint : a. Clicking the button will trigger a pop up screen for update schedule.

    b. Checklist Confirmation to Customer to enabled schedule date and Choose the date for replacement unit.

    c. Checklist Confirmation to Workshop, Choose Workshop, Pick Start Date and End date based on workshop confirmation.

    d. Update the actual mileage and choose category Maintenance. Actual Mileage inputted with number. When user click onto field there is a hint "Input with Number".

    e. The date cannot be input after end contract date.

    f. The date cannot be input before last service

6. Click Save button to save the new schedule date maintenance for replacement unit which can be edited later.

Process:
1. System will sort data by unit type.
2. PIC Maintenance check Replacement Unit schedule.
3. PIC Maintenance click update schedule maintenance for replacement unit if unit KM has reach condition for maintenance then pop up for update shown to input the schedule.
4. When user click button save, after that system will save updated schedule maintenance data. After save there will be notification shown "**Success ! Police Number B 6569 WEF schedule has been updated**"

Output:
1. Update Schedule for replacement unit.
2. Data will be saved to table TB_MTN_Monschdl

Alternative:
N/A

3.8 Data Structure

Tb_MTN_Monschdl

Field Name	Data Type	Length	Source	Remarks	Nullable	Mandatory
IdTb_MTN_Monschdl	int	n/a		**Primary Key**	No	Yes
IdTb_OPL_Branch	int	n/a	Tb_OPL_Branch.IdTb_OPL_Branch	**Foreign Key**	No	Yes
IdTb_OPL_Unit	int	n/a	Tb_OPL_Unit.IdTb_OPL_Unit	**Foreign Key**	No	Yes
DSFOffice	Varchar	5	Tb_OPL_Branch.BranchShortName	**Foreign Key** *Where Tb_MTN_Monschdl.DSFOffice = Tb_OPL_Branch.IdTb*	No	Yes

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

				_OPL_Branch			
IsOPL	Boolean	n/a	Tb_OPL_Unit.IsOPL	**Foreign Key** *Where Tb_MTN_Monschdl.UnitType = Tb_OPL_Unit.UnitType*	No	Yes
AgreementNumber	Varchar	50	OPLAgreement. AgreementNumber	**Foreign Key** *Where Tb_MTN_Monschdl. AgreementNumber = OPLAgreement. AgreementNumber*	No	Yes
PoliceNumber	Varchar	10	Tb_MGT_BASTSupCust.PoliceNumber	**Foreign Key** *Where Tb_MTN_Monschdl.PoliceNumber =* Tb_MGT_BASTSupCust.PoliceNumber	No	Yes
Maintenance Type	Varchar	100	OPLAgreement.MaintenanceType	**Foreign Key** *Where Tb_MTN_Monschdl.MaintenanceType = OPLAgreementDetails.MaintenanceType*	No	Yes
Maintenance Category	Varchar	20	TB_MTN_Monitoringschdl.MaintenanceCategory		No	Yes
EndContract Date	Datetime	n/a	OPLAgreement.IdOPLAgreement	**Foreign Key** *Where Tb_MTN_Monschdl.EndConftract = OPLAgreement.IdOPLAgreement*	No	Yes
LastService Date	Datetime	n/a	OPLAgreement.IdOPLAgreement	**Foreign Key** *Where Tb_MTN_Monschdl.LastService = OPLAgreement.IdOPLAgreement*	No	Yes
KM	Decimal	8.2	OPLAgreement.MonthlyMileage	**Foreign Key** *Where Tb_MTN_Monschdl.KM = OPLAgreement.MonthlyMileage*	No	Yes
ScheduleDate	Datetime	n/a	OPLAgreement.IdOPLAgreement	**Foreign Key** *Where Tb_MTN_Monschdl.ScheduleDate = OPLAgreement.IdOPLAgreement*	No	Yes
Maintenance Budget	Decimal	18.3	OPLServiceHistorySum.MaintenanceBu	**Foreign Key** *Where*	Yes	Yes

			dget	Tb_MTN_Monschdl.MaintenanceBudget = OPLServiceHistorySum.MaintenanceBudget		
IsOverdue	*Boolean*	*n/a*	Tb_Bill_PayScheduleDetail.IsOverdue	***Foreign Key*** *Where Tb_MTN_Monschdl.Overdue = Tb_Bill_PayScheduleDetail.IsOverdue*	Yes	Yes
IsConfirmation	*Boolean*	*n/a*	Tb_MTN_Monschdl.IsConfirmation		Yes	No
ScheduleReqDate	*Datetime*	*n/a*	Tb_MTN_Monschdl.Schedule		Yes	No
IdSupplier	*Int*	*n/a*	Tb_supplier.IdSupplier		Yes	Yes
Workshop	*Varchar*	*100*	Tb_MTN_Monschdl.Workshop	***Foreign Key*** *Where Tb_MTN_Monschdl.Workshop = Supplier.IdSupplier*	Yes	Yes
WorkshopLocation	*Varchar*	*30*	Tb_MTN_Monschdl.Workshop	***Foreign Key*** *Where Tb_MTN_Monschdl.Workshop = Supplier.IdSupplier*	Yes	Yes
IsWorkshop	*Boolean*	*n/a*	Tb_MTN_Monschdl.IsWorkshop		Yes	No
StartDate	*Datetime*	*n/a*	Tb_MTN_Monschdl.StartDate		Yes	No
EndDate	*Datetime*	*n/a*	Tb_MTN_Monschdl.EndDate		Yes	No
IsDelete	*Boolean*	*n/a*	Tb_MTN_Monschdl.IsDelete		Yes	No
RemarkSys	*Varchar*	*100*	Tb_MTN_Monschdl.RemarkSys		Yes	No
CreatedBy	*Varchar*	*50*	Tb_MTN_Monschdl.CreatedBy		Yes	No
CreatedDate	*Datetime*	*n/a*	Tb_MTN_Monschdl.CreatedDate		Yes	No
LastModifiedBy	*Varchar*	*50*	Tb_MTN_Monschdl.LastModifiedBy		Yes	No
LastModifiedDate	*Datetime*	*n/a*	Tb_MTN_Monschdl.LastModifiedDate		Yes	No

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

3.9 Screen Item List

RPT.AD.2.2 Report Monthly Maintenance Unit.

No.	Content	Description	Source	Remarks
1	List of Maintenance Unit	Default Label	Static	
2	Period	Period Monthly Report	Based on selected Start Date and End Date that already select by User when print Report	*Format display on report: MM/dd/YYYY*
3	Page	Number of Report Page	Automatically count by number of page	*&[page] of &[total page]*
4	Printed By	Printed by	Sys.Username	User Name is the one who login to system
5	Printed Date	Printed Date	Use date at server when button Print Report is Clicked	*Format display on report: MM/dd/YYYY*
6	DSF Office	Branch of the maintenance data	TB_MTN_Monitoring schdl.DSFOffice	
7	Unit Type	Unit Type	TB_MTN_Monitoring schdl.UnitType	
8	Agreement Number	Agreement Number	TB_MTN_Monitoring schdl.AgreementNumber	
9	Police Number	Police Number	TB_MTN_Monitoring schdl.PoliceNumber	
10	Maintenance Type	Maintenance Type	TB_MTN_Monitoring schdl.MaintenanceType	
11	Maintenance Category	Maintenance Category	TB_MTN_Monitoring schdl.MaintenanceCategory	
12	End Contract	End Contract	TB_MTN_Monitoring schdl.EndContract	
13	Last Service	Last Service	TB_MTN_Monitoring schdl.LastService	
14	KM	*Unit KM*	TB_MTN_Monitoring schdl.KM	
15	Schedule Date	*Schedule Maintenance*	TB_MTN_Monitoring schdl.ScheduleDate	
16	Maintenance Budget	*Unit Maintenance Budget*	TB_MTN_Monitoring schdl.MaintenanceBudget	
17	Overdue	*Overdue Payment*	TB_Bil_Payschedule .OverdueAmt	

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

List of Maintenance Unit

Period 01/10/2015 - 31/10/2015

DSF Office	Unit Type	Agreement Number	Police Number	Maintenance Type	Maintenance Category	End Contract	Last Service	Schedule Maintenance		Maintenance Budget (IDR)	Overdue
								KM	Schedule Date		
JKC	OPL Unit	00004/AGR/JKC/10/2014	B 6569 WEF	Full Maintenance	Regular	02/14/2017	09/13/2015	2500	10/13/2015	00,000.00	-
JKC	OPL Unit	00005/AGR/JKC/10/2014	B 6789 WDF	Full Maintenance	Irregular	02/14/2017	10/13/2015	5000	11/13/2015	00,000.00	-
JKC	OPL Unit	00006/AGR/JKC/10/2014	B 7879 DDB	Full Maintenance	Regular	02/14/2017	11/13/2015	7500	12/13/2015	24,000,000.00	-

1 2 3 4 5

6 7 8 9 10 11 12 13 14 15 16 17

3.10 Entity Relationship Diagram

Branch	
🔒	IdBranch

OPLAgreement	
🔒	IdOPLAgreement

OPLAgreement	
🔒	IdOPLAgreement

Tb_MTN_Monschdl	
🔒	IdTb_MTN_Monschdl

OPLMaintenance_Calculation	
🔒	IdOPLMaintenance_Calculation

Tb_MTN_Monschdl
DSFOffice
UnitType
AgreementNumber
🔒 PoliceNumber
MaintenanceType
MaintenanceCategory
EndContract
LastService
KM
ScheduleDate
MaintenanceBudget
Overdue
ConfirmationToCustomer
ConfirmationToWorkshop
WorkOrder
Actual KM

Tb_OPLUnit	
🔒	IdTb_OPLUnit

Tb_OPLUnit	
🔒	IdTb_OPLUnit

OPLServiceHistory	
🔒	idOPLServiceHistory

OPLAgreement	
🔒	IdOPLAgreement

OPLAgreement	
🔒	IdOPLAgreement

Billing	
🔒	IdBilling

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

APPENDIX

Configuration Access for Maintenance Schedule Creation:

User	Branch	Functions					
		Display List	Create	Edit	View	Print Form	Print Report
PIC Maintenance HO/Branch	One	V	V	V	V	V	V
	Area						
	All						
Marketing Officer	One	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