Operating Lease Support System Phase-2 Project for

DIPO STAR FINANCE
Solusi Kredit Otomotif Terpercaya

Functional Specification FC.AD.1.4 Monitoring and Print Unit OPL and Replacement Unit Report

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	Windy Adam
File Name	TM15404A-FSP-FC.AD.1.4 Monitoring and Print Unit OPL and Replacement Unit Report Rev 2.0
Directory Address	\OPRLEASE-P2\Deliverable Based-2\Working\04. Design\04.02. Functional Specification \TM15404A-FSP-FC.AD.1.4 Monitoring and Print Unit OPL and Replacement Unit Report Rev 2.0.docx
Number of Page	36

Revision History

Date	Revision	Description	Author
9/11/2015	0.0	Initialization	Windy Adam
28/12/2015	0.1	QCO Review: - Revise screen on document name (page 8 – 9) - Revise Text Box into Text Field (page 9 – 10) - Add notes for Transcode (page 18) - Revise and add description format Date time (page 21 – 32)	Windy Adam
11/1/2015	1.0	1st Baseline	Windy Adam
18/2/2016	1.1	User Review: - Revise Screen (page 8 and 9) - Add Registration No (page 10) - Revise Period of Usage into Usage Period (page 11) - Update description Update date and Update by into Last Modified Date and Last Modified By (page 24, 26, 27, and 30)	Windy Adam
10/6/2016	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
Ms. Windy Adam	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	Ms. Windy Adam		

TABLE OF CONTENTS

DOCUMENT CONTROL 2

REVISION HISTORY 2

DISTRIBUTION LIST 3

DOCUMENT APPROVAL 4

1 INTRODUCTION 6

1.1 PURPOSE 6
1.2 SCOPE 6
1.3 DEFINITION, ACRONYMS, AND ABBREVIATIONS 6
1.4 REFERENCES 6

2 CONFIGURATION 7

3 SPECIFICATION DETAIL: FC.AD.1.4 MONITORING AND PRINT UNIT OPL AND REPLACEMENT 7

3.1 PURPOSE 7
3.2 SCREEN OF CONFIGURATION ACCESS 7
3.3 SCREEN FUNCTIONALITY 7
3.4 OPERATION FLOW 7
3.5 SCREEN DESIGN 9
3.6 COMPONENT SCREEN FUNCTIONALITY 10
3.7 OPERATION DESCRIPTION 14
3.8 DATA STRUCTURE 24
3.9 SCREEN ITEM LIST 29
3.10 ENTITY RELATIONSHIP DIAGRAM 35

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 AD.1.3 Manage Replacement Unit Preparation and AD.1.4 Manage Replacement Unit Execution.

Here are the scope for AD.1.3 Manage Replacement Unit Preparation:

1. **AD.1.3.3 Display Monitoring Unit**

   View list of Replacement unit data and checking availability and location of Replacement unit and OPL Unit based based on transaction of receiving and delivery OPL and replacement unit to customer, OPL and replacement unit return, and maintenance regular and irregular of OPL unit and replacement unit

Here are the scope for AD.1.4 Manage Replacement Unit Execution:

1. **AD.1.4.12 Display List of Replacement Unit**

   Display information of replacement usage based on BAST Replacement

2. **AD.1.4.13 Print Replacement Unit Report**

   To print Replacement Unit Monthly Report

3. **AD.1.4.16 Print OPL Unit Report**

   To print OPL Unit Monthly Report

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

1. **RPT.AD.1.3 Replacement unit Report**
2. **RPT.AD.1.4 Unit OPL Report**

1.3 Definition, Acronyms, and Abbreviations

1. OPL = Operating Lease
2. PO = Purchase Order
3. BAST = Berita Acara Serah Terima / Handover Report

1.4 References

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

1. AD.1.3 Manage Replacement Unit Preparation
2. AD.1.4 Manage Replacement Unit Execution

2 Configuration

N/A

3 Specification Detail: FC.AD.1.4 Monitoring and Print Unit OPL and Replacement

3.1 Purpose

Scope of Screen of Monitoring OPL unit and Replacement Unit in this function is to monitor availability status and location of OPL unit and Replacement Unit. This screen will be used by PIC Asset Management. This screen also provide function to generate BAST Replacement Unit but it will be describe at FC.AD.1.5 Generate BAST Replacement unit document. This screen also provide print report function, to print Replacement Unit Report and Unit OPL Report.

This function covered by **"Monitoring OPL Unit and Replacement Unit"** screen

3.2 Screen of Configuration Access

Here are the access right for **"Monitoring OPL Unit and Replacement Unit"** screen users:

User	***Create***	***Read***	***Update***	***Print***	**Authorization**
DSF Authorize Person	-	V	-	V	V
PIC Asset Management	-	V	-	V	V
Admin	-	V	-	V	V

Legend: V = Have the access

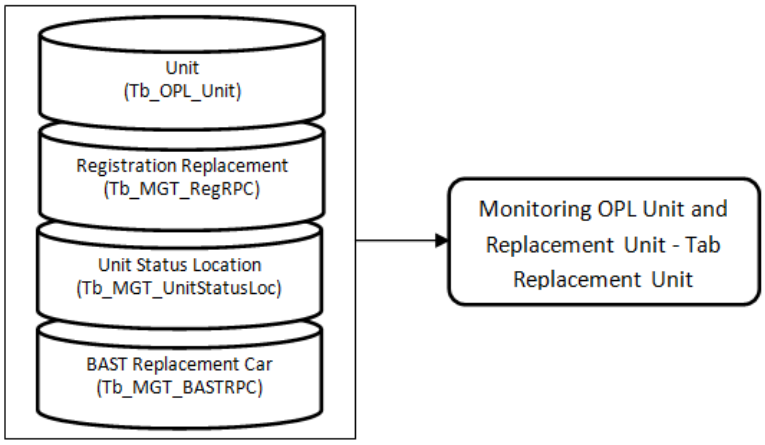
Note:
1. Read: related to read display data OPL Unit and Replacement Unit
2. Print: related to print unit/ vehicle data OPL Unit and Replacement Unit
3. Authorization: related to access related to access screen Monitoring OPL Unit and Replacement Unit

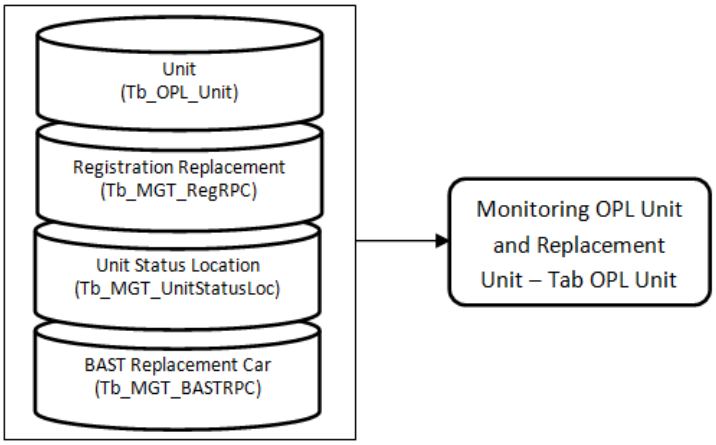
3.3 Screen Functionality

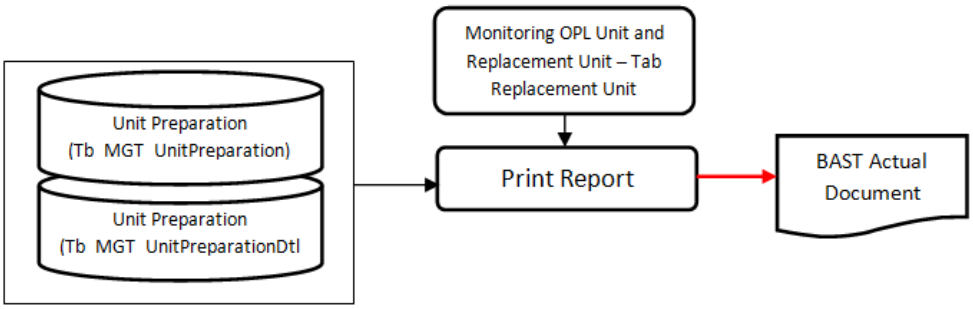
1. Display Monitoring Replacement Unit
2. Display Monitoring OPL Unit
3. Print Replacement Unit Report
4. Print OPL Unit Report

3.4 Operation Flow

Below is operation flow for Monitoring and print unit preparation process refer to **To Be Design Document Unit/ Vehicle Management**, AD.1.3 Manage Replacement Unit Preparation and AD.1.4 Manage Replacement Unit Execution:

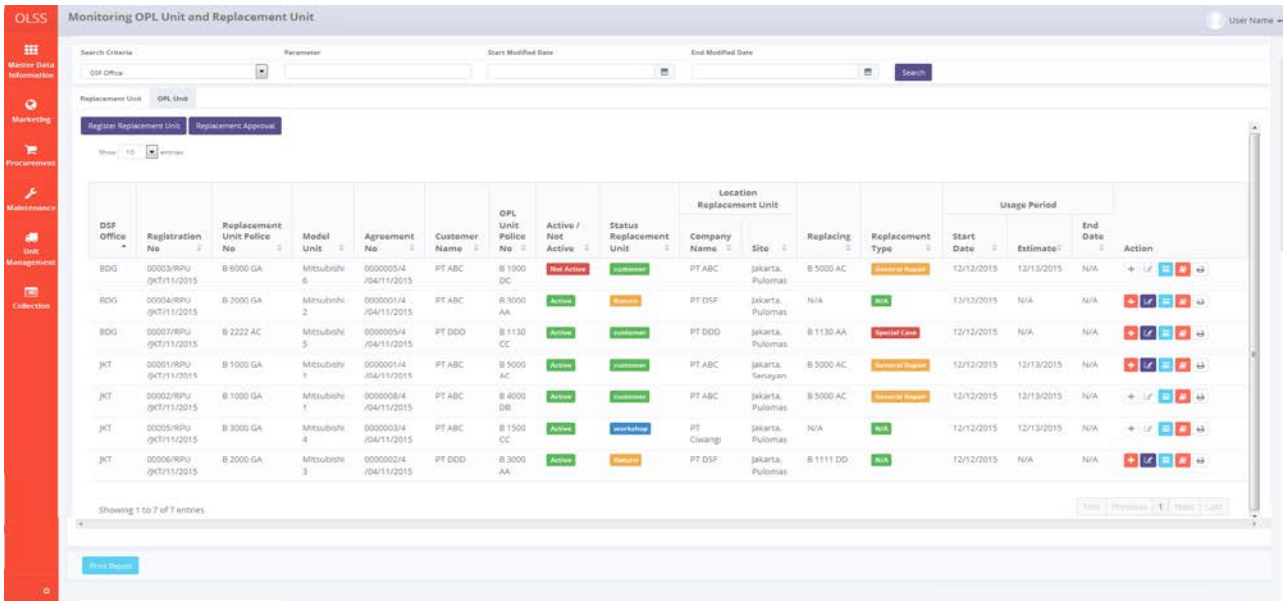
Roles	Display Monitoring Replacement Unit
PIC Asset Management	

Roles	Display Monitoring OPL Unit
PIC Asset Management	

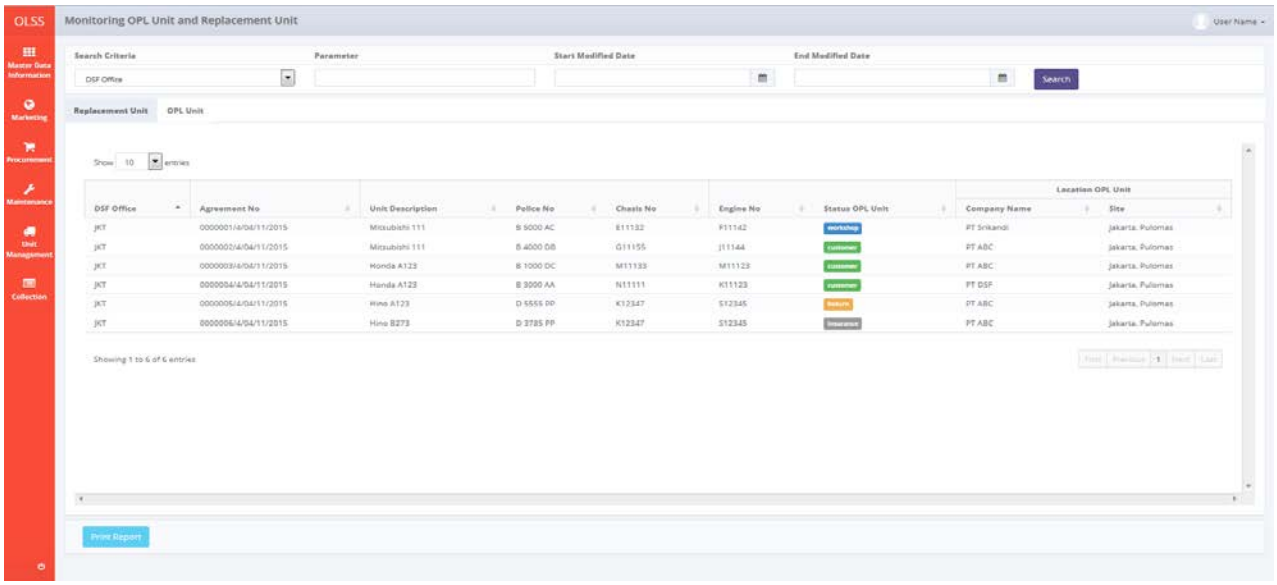
Roles	Print Replacement Unit Report
PIC Asset Management	

3.5 Screen Design

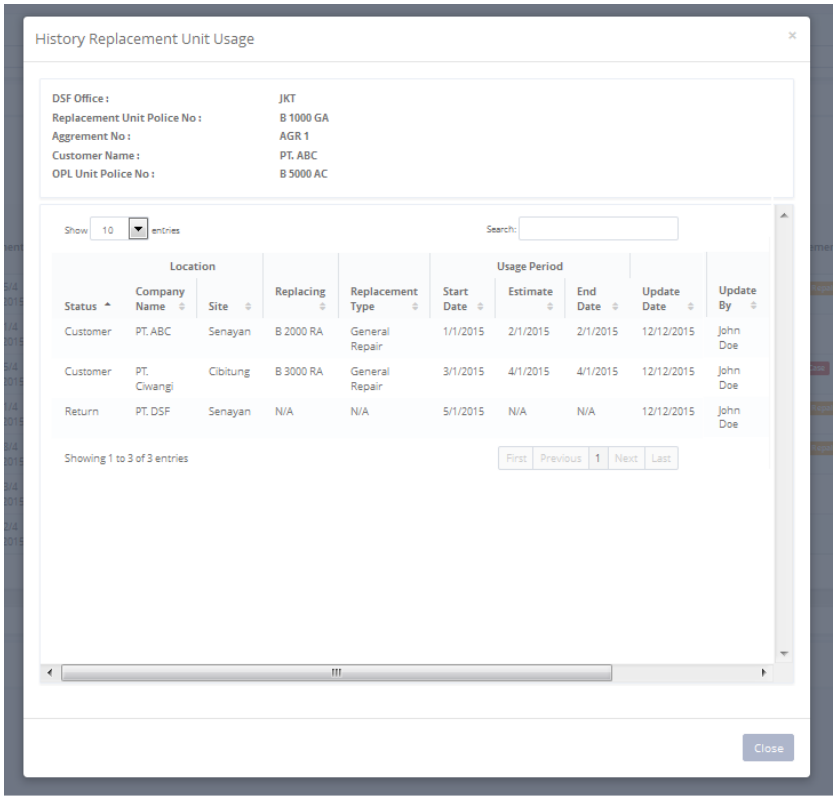
- *Initial Screen*



Screen 1. Monitoring OPL Unit and Replacement Unit – Replacement Unit



Screen 2. Monitoring OPL Unit and Replacement Unit – OPL Unit



Screen 3. History Replacement Unit Usage

- *Confirmation Pop Up*

  N/A

  Notes: There is no confirmation pop up related to this functional specification

3.6 Component Screen Functionality

a. Monitoring OPL Unit and Replacement Unit – Replacement Unit

Here are the screen functions from each component in **Screen 1. Monitoring OPL Unit and Replacement Unit – Replacement Unit tab**:

No	Component	Name	Function
Header			
1	Label	Monitoring OPL Unit and Replacement unit	Monitoring OPL Unit and Replacement Unit title
Search Criteria			
2	Drop down box	Search Criteria	To select category for searching replacement unit data
3	Text field	Parameter	To input parameter for searching replacement unit data
4	Date Picker	Start Modified Date	To input start period based on update date when print replacement unit data report

5	Date Picker	End Modified Date Period	To input end period based on update date when print replacement unit data report
6	Button	Search	To search replacement unit data based on selected criteria
List of Tab			
7	Tab	Monitoring OPL Unit and Replacement Unit – Replacement Unit	To display information availabitily status and location of Replacement Unit
8	Button	Register Replacement Unit	To register replacement unit (*refer to FC.AD.1.5 Generate BAST Replacement Unit*)
9	Button	Approval Replacement	To display list of approval replacement unit due to Special Case (*refer to FC.AD.1.6 Replacement Unit Approval*)
10	Label	DSF Office	To display DSF Office/ Branch of Unit OPL
11	Label	Registration Number	To display registration number of Replacement unit
12	Label	Replacement Unit Police No	To display list Police No of Replacement Unit
13	Label	Model Unit	To display unit model description
14	Label	Agreement No	To display list agreement number of OPL unit
15	Label	Customer Name	To display Customer Name based on agreement
16	Label	OPL Unit Police No	To display list Police No of OPL Unit
17	Label	Active/Not Active	To display status Active/ Not Active of Replacement Unit still supports for one unit OPL in Agreement Number
18	Label	Status Replacement Unit	To display Status of Unit; Customer, Return, Workshop, Claim Insurance)
19	Label	Location Replacement Unit – Company Name	To display location of unit (Company name)
20	Label	Location Replacement Unit – Site	To display location of unit (location of company)
21	Label	Replacing	To display information of OPL unit that being replace by replacement unit
22	Label	Replacement Type	To display information of replacement type; General Repair, Special Case, Insurance
23	Label	Usage Period – Start Date	To display information of Start Date Replacement Unit Usage
24	Label	Usage Period – Estimation	To display information of Estimation Replacement Unit Usage

25	Label	Usage Period – End Date	To display information of End Date Replacement Unit Usage
26	Button	Action – Create BAST	To create BAST of OPL Unit and Replacement Unit (*refer to FC.AD.1.5 Generate BAST Replacement Unit)*
27	Button	Action – Edit BAST	To edit BAST of OPL Unit and Replacement Unit (*refer to FC.AD.1.5 Generate BAST Replacement Unit)*
28	Button	Action – View BAST	To view BAST of OPL Unit and Replacement Unit (*refer to FC.AD.1.5 Generate BAST Replacement Unit)*
29	Button	Action – Print BAST	To print BAST of OPL Unit and Replacement Unit (*refer to FC.AD.1.5 Generate BAST Replacement Unit)*
30	Button	Action – View History BAST	To view history BAST of Unit Replacement (*refer to FC.AD.1.5 Generate BAST Replacement Unit)*
31	Label	Showing 1 to *n* of *n* entries	Display the entries generated by search engine
32	Link	First Page	To show the first page entry
33	Link	Previous Page	To show the previous page entry
34	Link	Page Number	To show the page screen according the number
35	Link	Next Page	To show the next page entry
36	Link	Last Page	To show the last page entry
Footer			
37	Button	Print Report	To print report replacement unit report as shown on the list

b. Monitoring OPL Unit and Replacement Unit – OPL Unit

Here are the screen functions from each component in **Screen 2. Monitoring OPL Unit and Replacement Unit – OPL Unit tab**:

No	***Component***	***Name***	***Function***
Header			
1	Label	Monitoring OPL Unit and Replacement unit	Monitoring OPL Unit and Replacement Unit title
Search Criteria			
2	Drop down box	Search Criteria	To select category for searching OPL unit data
3	Text field	Parameter	To input parameter for searching OPL unit data
4	Date Picker	Start Modified Date	To input start period based on update date when print OPL unit data report
5	Date Picker	End Modified Date Period	To input end period based on update date when print OPL unit data report

6	Button	Search	To search OPL unit data based on selected criteria
List of Tab			
7	Tab	Monitoring OPL Unit and Replacement Unit – OPL Unit	To display information availabitily status and location of OPL Unit
8	Label	DSF Office	To display DSF Office/ Branch of Unit OPL
9	Label	Agreement No	To display information of Agreement No of OPL unit
10	Label	Unit Description	To display information of OPL Unit model type
11	Label	Police No	To display information of Police No OPL Unit
12	Label	Chassis No	To display information of chassis no
13	Label	Engine No	To display information of engine no
14	Label	Status Unit	To display information Status OPL Unit
15	Label	Location OPL Unit – Company Name	To display location of unit (Company name)
16	Label	Location OPL Unit – Site	To display location of unit (location of company)
17	Label	Showing 1 to *n* of *n* entries	Display the entries generated by search engine
18	Link	First Page	To show the first page entry
19	Link	Previous Page	To show the previous page entry
20	Link	Page Number	To show the page screen according the number
21	Link	Next Page	To show the next page entry
22	Link	Last Page	To show the last page entry
Footer			
23	Button	Print Report	To print OPL unit report as shown on the list

c. **History Replacement Unit Usage**

Here are the screen functions from each component in **Screen 3. History of Replacement Unit Usage**:

No	*Component*	*Name*	*Function*
Header			
1	Label	History of Replacement unit Usage	History of replacement unit usage title
Search Criteria			

2	Text field	Search	To input character searching and search history replacement unit data based on selected criteria
List of Tab			
3	Drop down	Show Entries	To select number of row data that will be displayed in one screen (paging)
4	Label	Status	To display Status of selected replacement Unit; Customer, Return, Regular Maintenance, Irregular Maintenance)
5	Label	Location – Company Name	To display location of replacement unit (Company name)
6	Label	Location - Site	To display location of replacement unit (location of company)
7	Label	Replacing	To display information of OPL unit that being replace by replacement unit
8	Label	Replacement Type	To display information of replacement type; General Repair, Special Case, Insurance
9	Label	Usage Period – Start Date	To display information of Start Date Replacement Unit Usage
10	Label	Usage Period – Estimation	To display information of Estimation Replacement Unit Usage
11	Label	Usage Period – End Date	To display information of End Date Replacement Unit Usage
12	Label	Update Date	To display Updated Date
13	Label	Update By	To display Updated By
14	Label	Showing 1 to *n* of *n* entries	Display the entries generated by search engine
15	Link	First Page	To show the first page entry
16	Link	Previous Page	To show the previous page entry
17	Link	Page Number	To show the page screen according the number
18	Link	Next Page	To show the next page entry
19	Link	Last Page	To show the last page entry
Footer			
20	Button	Print Report	To print OPL unit report as shown on the list

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 List Monitoring OPL Unit and Replacement Unit – Replacement Unit tab</td><td>The screen for list of Monitoring OPL Unit and Replacement Unit – Replacement Unit tab:
1. Component Status;
<table>
<tr><th>Component</th><th>Name/Caption</th><th>Status</th><th>Remark</th></tr>
<tr><td>Label</td><td>Monitoring OPL Unit and</td><td>Not Active</td><td></td></tr>
</table></td></tr>
</table>

				Replacement unit		
			Drop down box	Search Criteria	Active	
			Text box	Parameter	Active	
			Date Picker	Start Modified Date	Active	
			Date Picker	End Modified Date	Active	
			Button	Search	Active	
			Tab	Monitoring OPL Unit and Replacement Unit – Replacement Unit	Active	
			Button	Register Replacement Unit	Active	(*refer to FC.AD.1.5 Generate BAST Replacement Unit*)
			Button	Replacement Approval	Active	(*refer to FC.AD.1.6 Replacement Unit Approval*)
			Label	DSF Office	Not Active	
			Label	Registration Number	Not Active	
			Label	Replacement Unit Police No	Not Active	
			Label	Model Unit	Not Active	
			Label	Agreement No	Not Active	
			Label	OPL Unit Police No	Not Active	
			Label	Customer Name	Not Active	
			Label	Active/ Not Active	Not Active	
			Label	Status Replacement Unit	Not Active	
			Label	Location Replacement Unit – Company Name	Not Active	
			Label	Location Replacement Unit – Site	Not Active	
			Label	Replacing	Not Active	
			Label	Replacement Type	Not Active	
			Label	Usage Period – Start Date	Not Active	
			Label	Usage Period – Estimation	Not Active	
			Label	Usage Period – End Date	Not Active	
			Button	Action – Create BAST	Active	(*refer to FC.AD.1.5 Generate BAST Replacement Unit*)
			Button	Action – Edit	Active	

				BAST		
			Button	Action – View BAST	Active	
			Button	Action – Print BAST	Active	
			Button	Action – View History BAST	Active	
			Label	Showing 1 to *n* of *n* entries	Active	
			Link	First Page	Active	
			Link	Previous Page	Active	
			Link	Page Number	Active	
			Link	Next Page	Active	
			Link	Last Page	Active	
			Button	Print Report	Active	
2	Initial view of List Monitoring OPL Unit and Replacement Unit – OPL Unit tab	The screen for list of Monitoring OPL Unit and Replacement Unit – OPL Unit tab: 1. Component Status;				
			Component	Name/Caption	Status	Remark
			Label	Monitoring OPL Unit and Replacement unit	Not Active	
			Drop down box	Search Criteria	Active	
			Text field	Parameter	Active	
			Date Picker	Start Modified Date	Active	
			Date Picker	End Modified Date Period	Active	
			Button	Search	Active	
			Tab	Monitoring OPL Unit and Replacement Unit – OPL Unit	Active	
			Label	DSF Office	Not Active	
			Label	Agreement No	Not Active	
			Label	Unit Description	Not Active	
			Label	Police No	Not Active	
			Label	Chassis No	Not Active	
			Label	Engine No	Not Active	
			Label	Status Unit	Not Active	
			Label	Location OPL Unit – Company Name	Not Active	
			Label	Location OPL Unit – Site	Not Active	
			Label	Showing 1 to *n* of *n* entries	Not Active	
			Link	First Page	Not Active	
			Link	Previous Page	Not Active	
			Link	Page Number	Not Active	
			Link	Next Page	Not Active	

Link	Last Page	Not Active	
Button	Print Report	Active	

3 Display Monitoring Replacement Unit

Input:

1. Access OLSS
2. Select menu Management
3. Select sub menu Monitoring OPL Unit and Replacement Unit
4. Select Replacement Unit Tab
5. Select number of show list entries : 10, 25, 50, and 100
6. Input search criteria category:

Search Criteria	Constraint Input
Replacement Unit Police No	Varchar
Agreement No	Varchar
OPL Unit Police No	Varchar
Active/Not Active	Varchar
Unit Status	Varchar
Location of Replacement Unit	Varchar
Replacing	Varchar
Replacement Type	Varchar
Usage Period – Start Date	Date
Usage Period – Estimation	Date
Usage Period – End Date	Date

7. Select start date and end date to filter data based on the range update date

Date Picker	Constraint Input
Start Modified Date	Cannot greater than End Period
End Modified Date	Cannot less than End Period

8. Click button search

9. Click button view history of Replacement Unit Usage, (*optional*)

Process:

1. When user click button search, system will displays data on List of Outstanding Unit based on selected criteria searching, based on below formula:
   1.1 Input search criteria as column name, start last modified date, and end last modified date:
      1.1.1 If user input Criteria Searching, Start Date, and End Date period, system displays data based on selected criteria searching on selected range update date
      1.1.2 If user input both of Criteria Searching and Start Date, system displays data based on selected criteria searching start from selected update date until the latest update date
      1.1.3 If user input both of Criteria Searching and End Date, system displays data based on selected criteria searching start from the oldest update date until selected update date
      1.1.4 If user input Criteria Searching without Start and End Date, system displays data based on selected criteria searching start from the oldest update date until latest update date
      1.1.5 System will display error notification, when:
         - If data that will be search is not available then system will display notification “Data not found”
         - If parameter input is not match with input constraint in

		data structure then system will display notification "Parameter is not valid" 2. System displays Replacement Unit list which contain information as below automatically: - DSF Office (source: Tb_OPL_Branch.BranchShortName) *Where Tb_MGT_RegRPC.IdBranch = Tb_OPL_Branch.IdBranch* - Registration Number (source: Tb_MGT_RegRPC.RegNumber) - Replacement Unit Police No (source: Tb_OPL_Unit.PoliceNumber) *Where Tb_MGT_RegRPC.IdRPCUnit = Tb_OPL_Unit.IdTb_OPL_Unit* - Model Unit (source: Product.ModelName) *Where Tb_MGT_RegRPC.IdRPCUnit = Tb_OPL_Unit.IdTb_OPL_Unit AND Tb_OPL_Unit.IdProduct = Product.IdProduct* - Agreement No (source: OPLAgreement.AgreementNumber) *Where Tb_MGT_RegRPC.IdOPLAgreement = OPLAgreement.IdOPLAgreement* - Customer Name (source: OPLAgreement.CustomerName) *Where Tb_MGT_RegRPC.IdOPLAgreement = OPLAgreement.IdOPLAgreement* - OPL Unit Police No (source: Tb_OPL_Unit.PoliceNumber) *Where Tb_MGT_RegRPC.IdOPLUnit = Tb_OPL_Unit.IdTb_OPL_Unit* - Active/Not Active (Tb_MGT_RegRPC.IsActive) - Status Replacement Unit (source: Tb_MGT_UnitStatusLoc.Status) *Where Tb_MGT_RegRPC.IdRPCUnit = Tb_MGT_Current.IdOPLUnit AND Tb_MGT_Current.IdTb_MGT_UnitStatusLoc = Tb_MGT_UnitStatusLoc.IdTb_MGT_UnitStatusLoc* - Location of Replacement Unit a. Company Name: (OPLAgreement.CustomerName) *Where Tb_MGT_RegRPC.IdRPCUnit = Tb_MGT_Current.IdOPLUnit AND Tb_MGT_Current.IdOPLAgreement = OPLAgreement.IdOPLAgreement* b. Site: Tb_MGT_UnitStatusLoc.Location *Where Tb_MGT_RegRPC.IdRPCUnit = Tb_MGT_Current.IdOPLUnit AND Tb_MGT_Current.IdTb_MGT_UnitStatusLoc = Tb_MGT_UnitStatusLoc.IdTb_MGT_UnitStatusLoc* - Replacing (source: Tb_MGT_Current. IdReplacingPLNo) *Where Tb_MGT_RegRPC.IdRPCUnit = Tb_MGT_Current.IdOPLUnit AND Tb_MGT_RegRPC.IdOPLUnit = Tb_MGT_Current.IdReplacingUnit* - Replacement Type (source: Tb_MGT_ BASTRPC.ReplacementType) *Where Tb_MGT_RegRPC.IdRPCUnit = Tb_MGT_Current.IdOPLUnit* - Usage Period – Start Date (source: Tb_MGT_UnitStatusLoc.StartDate) *Where Tb_MGT_RegRPC.IdRPCUnit = Tb_MGT_Current.IdOPLUnit AND Tb_MGT_Current.IdTb_MGT_UnitStatusLoc = Tb_MGT_UnitStatusLoc.IdTb_MGT_UnitStatusLoc* - Usage Period – Estimation (source: Tb_MGT_UnitStatusLoc.EstDate) *Where Tb_MGT_RegRPC.IdRPCUnit = Tb_MGT_Current.IdOPLUnit AND Tb_MGT_Current.IdTb_MGT_UnitStatusLoc = Tb_MGT_UnitStatusLoc.IdTb_MGT_UnitStatusLoc* - Usage Period – End Date (source: Tb_MGT_UnitStatusLoc.EndDate) *Where Tb_MGT_RegRPC.IdRPCUnit = Tb_MGT_Current.IdOPLUnit AND*

Tb_MGT_Current.IdTb_MGT_UnitStatusLoc = Tb_MGT_UnitStatusLoc.IdTb_MGT_UnitStatusLoc

3. System sort list replacement unit based on latest registration date (Tb_MGT_ RegRPC.RegDate) in ascending order.
4. Status of Unit replacement will be updated based on Transaction Code:
   - Regular Maintenance Unit replacement (Tb_MGT_UnitStatusLoc.TransCode = 3)
   - BAST Replacement unit to customer (Tb_MGT_UnitStatusLoc.TransCode = 5)
   - Insurance Claim (Tb_MGT_UnitStatusLoc.TransCode = 6)
5. Number data row on list will be based on selected show number entries
6. When user click button History of Replacement Unit Usage, system will displays pop up of Detail list history of replacement unit usage sort based on Tb_MGT_UnitStatusLoc.IdTb_MGT_UnitStatusLoc in Ascending order.
   Based on Screen 3. History of replacement unit usage, There are several informations that will be display (<u>system displays history of one Replacement Unit (</u>Tb_MGT_UnitStatusLoc.IdTb_OPL_Unit = Tb_MGT_RegRPC.IdRPCUnit)):
   - Replacement Unit Police No (source: Tb_MGT_RegRPC.RPCPoliceNo)
   - Agreement No (source: Tb_MGT_RegRPC.AgreementNumber)
   - OPL Unit Police No (source: Tb_MGT_ RegRPC.OPLPoliceNo)
   - Unit Status (source: Tb_MGT_UnitStatusLoc.Status)
     Formula:
     1. *Search where Tb_MGT_UnitStatusLoc.Transcode = 2,3,5, or 6*
     2. *Search where Tb_MGT_UnitStatusLoc.IdTb_OPL_Unit = Tb_MGT_RegRPC.IdRPCUnit*
   - Location of Replacement Unit (source: Tb_MGT_UnitStatusLoc.Location)
     Formula:
     1. *Search where Tb_MGT_UnitStatusLoc.Transcode = 2,3,5, or 6*
     2. *Search where Tb_MGT_UnitStatusLoc.IdTb_OPL_Unit = Tb_MGT_RegRPC.IdRPCUnit*
     3. *Check:*
        If Tb_MGT_UnitStatusLoc.Status = “Customer”, then
        <u>*Company Name source*</u>: <u>(</u>OPLAgreement.CustomerName)
        Where
        Tb_MGT_RegRPC.IdAgreement = OPLAgreement.IdOPLAgreement
        AND
        <u>*Site source:*</u> *(Tb_MGT_UnitStatusLoc.Location), else*
        If Tb_MGT_UnitStatusLoc.Status = “Return”, then
        <u>*Company Name source*</u>: <u>(</u>PT. DSF)
        AND
        <u>*Site source:*</u> *(Tb_MGT_UnitStatusLoc.Location), else*
        If Tb_MGT_UnitStatusLoc.Status = “Workshop”, then
        <u>*Company source*</u>: *(Tb_MTN_UnderMT.Workshop)*
        Where
        Tb_MGT_UnitStatusLoc.LineTrans = Tb_MTN_UnderMT.IdTb_MTN_UnderMT
        AND
        <u>*Site source:*</u> *(Tb_MGT_UnitStatusLoc.Location), else*
        If Tb_MGT_UnitStatusLoc.Status = “Insurance Claim”, then
        <u>*Company source*</u>: *(Tb_MTN_UnderMT.Workshop)*
        Where
        Tb_MGT_UnitStatusLoc.LineTrans = Tb_MTN_UnderMT.IdTb_MTN_UnderMT
        AND

Site source: (Tb_MGT_UnitStatusLoc.Location)

- Replacing (source: Tb_MGT_ BASTRPC.OPLPoliceNo)
  Formula:
  1. *Search where Tb_MGT_UnitStatusLoc.Transcode = 2,3,5, or 6*
  2. *Search where Tb_MGT_UnitStatusLoc.IdTb_OPL_Unit = Tb_MGT_RegRPC.IdRPCUnit*
  3. *Search where Tb_MGT_UnitStatusLoc.LineTrans = Tb_MGT_BASTRPC.IdTb_MGT_BASTRPC*
  4. *Check:*
     If Tb_MGT_UnitStatusLoc.Status = "Customer", then
     Value: Tb_MGT_ BASTRPC.OPLPoliceNo
     If Tb_MGT_UnitStatusLoc.Status = "Return", then
     Value: "N/A"
     If Tb_MGT_UnitStatusLoc.Status = "Workshop", then
     Value: "N/A", then
     If Tb_MGT_UnitStatusLoc.Status = "Insurance Claim", then
     Value: "N/A"
- Replacement Type (source: Tb_MGT_ BASTRPC.ReplacementType)
  Formula:
  1. *Search where Tb_MGT_UnitStatusLoc.Transcode = 5*
  2. *Search where Tb_MGT_UnitStatusLoc.IdTb_OPL_Unit = Tb_MGT_RegRPC.IdRPCUnit*
  3. *Search where Tb_MGT_UnitStatusLoc.LineTrans = Tb_MGT_BASTRPC.IdTb_MGT_BASTRPC*
- Usage Period – Start Date (source: Tb_MGT_UnitStatusLoc.StartDate)
  Formula:
  1. *Search where Tb_MGT_UnitStatusLoc.Transcode = 5*
  2. *Search where Tb_MGT_UnitStatusLoc.IdTb_OPL_Unit = Tb_MGT_RegRPC.IdRPCUnit*
- Usage Period – Estimation (source: Tb_MGT_UnitStatusLoc.EstDate)
  Formula:
  1. *Search where Tb_MGT_UnitStatusLoc.Transcode = 5*
  2. *Search where Tb_MGT_UnitStatusLoc.IdTb_OPL_Unit = Tb_MGT_RegRPC.IdRPCUnit*
- Usage Period – End Date (source: Tb_MGT_UnitStatusLoc.EndDate)
  Formula:
  1. *Search where Tb_MGT_UnitStatusLoc.Transcode = 5*
  2. *Search where Tb_MGT_UnitStatusLoc.IdTb_OPL_Unit = Tb_MGT_RegRPC.IdRPCUnit*

Notes:
Transaction Code
1. BAST Receiving Delivery = 1
2. BAST Return = 2
3. Regular Maintenance = 3
4. Irregular Maintenance = 4
5. BAST Replacement = 5
6. Insurance Claim = 6

Output:
1. Display data list of replacement unit includes location and availability status of unit

Alternative:
1. Click OPL unit tab to monitor OPL unit (*refer to Operation Name No. 4 Display Monitoring OPL unit*)
2. Click button Register Replacement Unit (*refer to FC.AD.1.5 Generate*

		BAST Replacement Unit) 3. Click button Approval Replacement (*refer to FC.AD.1.6 Replacement Unit Approval*)
4	Display Monitoring OPL Unit	<u>Input:</u> 1. Access OLSS 2. Select menu Management 3. Select sub menu Monitoring OPL Unit and Replacement Unit 4. Select OPL Unit Tab 5. Select number of show list entries : 10, 25, 50, and 100 6. Input search criteria category: **Search Criteria** — **Constraint Input** Replacement Unit Police No — Varchar Agreement No — Varchar OPL Unit Police No — Varchar Unit Status — Varchar Location — Varchar Usage Period – Start Date — Date Usage Period – Estimation — Date Usage Period – End Date — Date 7. Select start date and end date to filter data based on the range update date **Date Picker** — **Constraint Input** Start Modified Period — Cannot greater than End Period End Modified Period — Cannot less than End Period 8. Click button search Search <u>Process:</u> 1. When user click button search, system will displays data on List of Outstanding Unit based on selected criteria searching, based on below formula: 1.1 <u>Input search criteria as column name, start last modified date, and end last modified date:</u> 1.1.1 If user input Criteria Searching, Start Date, and End Date period, system displays data based on selected criteria searching on selected range update date 1.1.2 If user input both of Criteria Searching and Start Date, system displays data based on selected criteria searching start from selected update date until the latest update date 1.1.3 If user input both of Criteria Searching and End Date, system displays data based on selected criteria searching start from the oldest update date until selected update date 1.1.4 If user input Criteria Searching without Start and End Date, system displays data based on selected criteria searching start from the oldest update date until latest update date 1.1.5 System will display error notification, when: - If data that will be search is not available then system will display notification “Data not found” - If parameter input is not match with input constraint in data structure then system will display notification “Parameter is not valid”

		7. System displays OPL Unit list which contain information as below automatically:
		- DSF Office (Tb_OPL_Unit.DSFOffice)
		- Agreement No (source: OPLAgreement.AgreementNumber)
		Where Tb_MGT_Current.IdAgreement = OPLAgreement.IdOPLAgreement
		- Unit Description (source: Product.ModelName)
		Where Tb_MGT_Current.IdOPLUnit = Product.IdProduct
		- Police No (source: Tb_OPL_Unit.PoliceNumber)
		Where Tb_MGT_Current.IdOPLUnit = Tb_OPL_Unit.IdTb_OPL_Unit.PoliceNumber
		- Chassis No (source: Tb_OPL_Unit.ChassisNo)
		Where Tb_MGT_Current.IdOPLUnit = Tb_OPL_Unit.IdTb_OPL_Unit.ChassisNo
		- Status OPL Unit (source: Tb_MGT_UnitStatusLoc.Status)
		Where Tb_MGT_Current.IdTb_MGT_UnitStatusLoc= Tb_MGT_UnitStatusLoc.IdTb_MGT_UnitStatusLoc
		- Location (source: Tb_MGT_UnitStatusLoc.Location)
		Where Tb_MGT_Current.IdTb_MGT_UnitStatusLoc= Tb_MGT_UnitStatusLoc.IdTb_MGT_UnitStatusLoc
		Formula:
		1. Check:
		If Tb_MGT_UnitStatusLoc.Status = "Customer", then
		<u>Company Name:</u> (OPLAgreement.CustomerName)
		Where Tb_MGT_UnitStatusLoc.IdTb_OPL_Unit = Tb_OPL_Unit.IdTb_OPL_Unit AND Tb_OPL_Unit.PoliceNumber = Unit.PoliceNumber AND Unit.IdAgreement = OPLAgreement.IdOPLAgreement
		AND
		<u>Site:</u> (Tb_MGT_UnitStatusLoc.Location), else
		If Tb_MGT_UnitStatusLoc.Status = "Return", then
		<u>Company Name</u>: (PT. DSF)
		AND
		<u>Site:</u> (Tb_MGT_UnitStatusLoc.Location), else
		If Tb_MGT_UnitStatusLoc.Status = "Workshop", then
		<u>Company Name</u>: (Tb_MTN_UnderMT.Workshop)
		Where Tb_MGT_UnitStatusLoc.LineTrans = Tb_MTN_UnderMT.IdTb_MTN_UnderMT
		AND
		<u>Site:</u> (Tb_MGT_UnitStatusLoc.Location), else
		If Tb_MGT_UnitStatusLoc.Status = "Claim Insurance", then
		<u>Company Name</u>: (Tb_MTN_UnderMT.Workshop)
		Where Tb_MGT_UnitStatusLoc.LineTrans = Tb_MTN_UnderMT.IdTb_MTN_UnderMT
		AND
		<u>Site:</u> (Tb_MGT_UnitStatusLoc.Location),
		
		8. System sort list OPL unit based on last Modified date in descending order (Tb_MGT_UnitStatusLoc.LastModifiedDate)
		9. Status of OPL Unit will be updated based on Transaction Code:
		- BAST receiving and Delivery OPL Unit (Tb_MGT_UnitStatusLoc.TransCode = 1)
		- BAST return OPL Unit (Tb_MGT_UnitStatusLoc.TransCode = 2)

		- Regular Maintenance OPL Unit (Tb_MGT_UnitStatusLoc.TransCode = 3) - Iregular Maintenance OPL Unit (Tb_MGT_UnitStatusLoc.TransCode = 4) - Insurance Claim (Tb_MGT_UnitStatusLoc.TransCode = 6) 10. Number data row on list will be based on selected show number entries <u>Output:</u> 1. Display data list of OPL unit includes location and availability status of unit <u>Alternative:</u> N/A
5	Print Replacement Unit Report	<u>Input:</u> 1. *Operation Name 3. Display Monitoring Replacement Unit* 2. Click button Print Report <u>Process:</u> 1. *Operation Name 3. Display Monitoring Replacement Unit* 2. System will display file Unit Preparation Report in Ms. Excel with file name as below format: Unit Replacement 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 <u>Output:</u> 1. Print out report list **RPT.AD.1.3 Manage Replacement Unit Preparation**
6	Print OPL Unit Report	<u>Input:</u> 1. *Operation Name 4. Display Monitoring OPL Unit* 2. Click button Print Report <u>Process:</u> 1. *Operation Name 4. Display Monitoring OPL Unit* 2. System will display file Unit Preparation Report in Ms. Excel with file name as below format: Unit OPL 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 <u>Output:</u> 1. Print out report list **RPT.AD.1.4 Unit OPL Report**
7	System error message	<u>Process:</u> 1. Any kind of errors outside of application validation or that which cannot be handled by application such as errors when communication with

		Database, bugs, overloop, etc will generate error message: "System error. Please contact your administrator" <u>Output:</u> 1. A page with system error message will appear.

3.8 Data Structure

Tb_OPL_Unit

Field Name	*Data Type*	*Length*	*Source*	*Remarks*	*Nullable*	*Mandatory*
IdTb_OPL_Unit	*integer*	*n/a*	Tb_OPL_Unit.IdTb_OPL_Unit	***Primary Key***	No	Yes
IdProduct	*integer*	*n/a*	Tb_OPL_Unit.IdProduct	***Foreign Key***	No	Yes
PoliceNumber	varchar	*15*	Tb_OPL_Unit.PoliceNumber	- If OPL Unit, source : Tb_MGT_BASTSupCust.PoliceNumber (Tb_MGT_BASTSupCust.IsSTNK = 0)	No	Yes
PoliceNumberAct	Varchar	*15*	Tb_OPL_Unit.PoliceNumberAct	- If OPL Unit, source : Tb_MGT_BASTSupCust.PoliceNumber (Tb_MGT_BASTSupCust.IsSTNK = 1)		
EngineNumber	varchar	*20*	Tb_OPL_Unit.EngineNumber	- If OPL Unit, source : Tb_MGT_BASTSupCust.MachineNumber	No	Yes
ChassisNumber	varchar	*20*	Tb_OPL_Unit.ChassisNumber	- If OPL Unit, source : Tb_MGT_BASTSupCust.ChassisNumber	No	Yes
Colour	varchar	*20*	Tb_OPL_Unit.Colour	- If OPL Unit, source : Tb_MGT_BASTSupCust.Colour	No	Yes
IsOPL	*Boolean*	*n/a*	Tb_OPL_Unit.IsOPL	1 = OPL Unit 0 = Replacement Unit	No	Yes
StartSTNK	*Date*	*n/a*	Tb_OPL_Unit.StartSTNK		No	Yes
EndSTNK	*Date*	*n/a*	Tb_OPL_Unit.EndSTNK		No	Yes
StartKEUR	*Date*	*n/a*	Tb_OPL_Unit.StartKEUR		No	Yes
EndKEUR	*Date*	*n/a*	Tb_OPL_Unit.EndKEUR		No	Yes
StartInsurance	*Date*	*n/a*	Tb_OPL_Unit.StartInsurance		No	Yes
EndInsurance	*Date*	*n/a*	Tb_OPL_Unit.EndInsurance		No	Yes
CompanyInsurance	*varchar*	*50*	Tb_OPL_Unit.CompanyInsurance		No	Yes

InsuranceNumber	*varchar*	*50*	Tb_OPL_Unit. InsuranceNumber		No	Yes
CreatedDate	*DateTime*	*n/a*	Tb_OPL_Unit.CreatedDate	- If OPL Unit, source : Tb_MGT_BASTSupCust.LastModifiedDate - If Replacement Unit, Source: Tb_MGT_RegRPC.RegDate	No	Yes
CreatedBy	*Varchar*	*50*	Tb_MGT_UnitStatusLoc.CreatedBy	- If OPL Unit, source : Tb_MGT_BASTSupCust.LastModifiedBy - If Replacement Unit, Source: Tb_MGT_RegRPC.CreatedBy	No	Yes

Tb_MGT_RegRPC

Field Name	*Data Type*	*Length*	*Source*	*Remarks*	*Nullable*	*Mandatory*
IdTb_MGT_RegRPC	*integer*	*n/a*	Tb_MGT_RegRPC. IdTb_MGT_RegRPC	***Primary key***	No	Yes
RegNo	*varchar*	*20*	Tb_MGT_RegRPC.RegNo	***Unique key***	No	Yes
IdBranch	*varchar*	*20*	Tb_MGT_RegRPC.IdBranch	***Foreign key***	No	Yes
IdOPLAgreement	*integer*	*n/a*	OPLAgreement.IdOPLAgreement	***Foreign key***	No	Yes
IdRPCUnit	*integer*	*n/a*	Tb_OPL_Unit. IdTb_OPL_Unit	***Foreign key***	No	Yes
RPCPoliceNo	*varchar*	*20*	Tb_MGT_RegRPC.RPCPoliceNo		No	Yes
AgreementNumber	*varchar*	*50*	Tb_MGT_RegRPC.AgreementNumber		No	Yes
IdOPLUnit	*integer*	*n/a*	Tb_OPL_Unit. IdTb_OPL_Unit	***Foreign key***	No	Yes
OPLPoliceNo	*varchar*	*20*	Tb_MGT_RegRPC.OPLPoliceNo		No	Yes
IsActive	*Boolean*	*n/a*	Tb_MGT_RegRPC.IsActive		No	Yes
RegDate	*DateTime*	*n/a*	Tb_MGT_RegRPC.RegDate		No	Yes
CreatedBy	*Varchar*	*50*	Tb_MGT_RegRPC.CreatedBy		No	Yes
LastModified Date	*DateTime*	*n/a*	Tb_MGT_RegRPC.LastModifiedDate		No	Yes
LastModified By	*Varchar*	*50*	Tb_MGT_RegRPC.CreatedBy		No	Yes
IsActive	*Boolean*	*n/a*	Tb_MGT_RegRPC.IsActive			

IsDelete	*Boolean*	*n/a*	Tb_MGT_RegRPC.IsDelete		No	Yes
RemarkSys	*varchar*	*100*	Tb_MGT_RegRPC.RemarkSys		No	Yes

Tb_MGT_BASTRPC

Field Name	*Data Type*	*Length*	*Source*	*Remarks*	*Nullable*	*Mandatory*
IdTb_MGT_BASTRPC	*integer*	*n/a*	Tb_MGT_BASTRPC.IdTb_MGT_BASTRPC	***Primary key***	No	Yes
BAST Number	*varchar*	*50*	Tb_MGT_BASTRPC.BASTNumber	***Unique key***	No	Yes
BASTType	*integer*	*n/a*	Tb_MGT_BASTRPC.BASTType	1 = BAST Replacement Unit 2 = BAST OPL Unit	No	Yes
IdTb_MGT_RegRPC	*integer*	*n/a*	Tb_MGT_RegRPC.IdTb_MGT_RegRPC	***Foreign key***	No	Yes
RPCType	*varchar*	*15*	Tb_MGT_BASTRPC.RPCType	Insurance, Special Case, General Repair	No	Yes
BASTOutDate	*Date*	*n/a*	Tb_MGT_BASTRPC.BASTOutDate	*Format display on screen:* MM/dd/yyyy	No	Yes
BASTInDate	*Date*	*n/a*	Tb_MGT_BASTRPC.BASTInDate	*Format display on screen:* MM/dd/yyyy	No	Yes
StartDate	*Date*	*n/a*	Tb_MGT_BASTRPC.StartDate	*Format display on screen:* MM/dd/yyyy	No	Yes
EstDate	*Date*	*n/a*	Tb_MGT_BASTRPC.EstDate	*Format display on screen:* MM/dd/yyyy	No	Yes
EndDate	*Date*	*n/a*	Tb_MGT_BASTRPC.EndDate	*Format display on screen:* MM/dd/yyyy	No	Yes
BASTOutStatus	*integer*	*n/a*	Tb_MGT_BASTRPC.BASTOutStatus	*1 = Draft (BAST already created but has not been submited)* *2 = Submit (BAST already submitted)* *30 = Firmed (BAST already save as final)*	No	Yes
BASTInStatus	*integer*	*n/a*	Tb_MGT_BASTRPC.BASTInStatus	*1 = Draft (BAST already created but has not been submited)* *2 = Submit (BAST already submitted)* *30 = Firmed (BAST already save as final)*	No	Yes
KMOut	*decimal*	*5,0*	Tb_MGT_BASTRPC.KMOut		Yes	No
KMIn	*decimal*	*5,0*	Tb_MGT_BASTRPC.KMIn		Yes	No
FuelOut	*varchar*	*5*	Tb_MGT_BASTRPC.FuelOut		Yes	No

FuelIn	*varchar*	*5*	Tb_MGT_BASTRPC. FuelIn		Yes	No
DriverOut	*varchar*	*15*	Tb_MGT_BASTRPC. DriverOut		Yes	No
DriverIn	*varchar*	*15*	Tb_MGT_BASTRPC. DriverIn		Yes	No
ObseverOut	*varchar*	*15*	Tb_MGT_BASTRPC. ObserverOut		Yes	No
ObseverIn	*varchar*	*15*	Tb_MGT_BASTRPC. ObserverIn		Yes	No
BranchOut	*varchar*	*10*	Tb_MGT_BASTRPC. BranchOut		Yes	No
BranchIn	*varchar*	*10*	Tb_MGT_BASTRPC. BranchIn		Yes	No
UsageLoc	*varchar*	*30*	Tb_MGT_BASTRPC. UsageLoc		No	Yes
DamageLoc	*varchar*	*30*	Tb_MGT_BASTRPC. DamageLoc		No	Yes
ReturnLoc	*varchar*	*30*	Tb_MGT_BASTRPC. ReturnLoc		No	Yes
CreatedBy	*varchar*	*50*	Tb_MGT_BASTRPC. CreatedBy		No	Yes
CreatedDate	*DateTime*	*n/a*	Tb_MGT_BASTRPC. CreatedDate		No	Yes
LastModified Date	*DateTime*	*50*	Tb_MGT_BASTRPC. LastModifiedDate		No	Yes
LastModified By	*varchar*	*n/a*	Tb_MGT_BASTRPC. LastModifiedBy		No	Yes
IsDelete	*Boolean*	*n/a*	Tb_MGT_BASTRPC.I sDelete		No	Yes
RemarkSys	*varchar*	*100*	Tb_MGT_BASTRPC. RemarkSys		No	Yes

Tb_MGT_BASTRPCDtl

Field Name	*Data Type*	*Length*	*Source*	*Remarks*	*Nullable*	*Mandatory*
IdTb_MGT_B ASTRPCDtl	*integer*	*n/a*	Tb_MGT_BASTRPCD tl. IdTb_MGT_BASTRP CDtl	***Primary key***	No	Yes
IdTb_MGT_B ASTRPC	*integer*	*n/a*	Tb_MGT_BASTRPCD tl. IdTb_MGT_BASTRP C	***Foreign key***	No	Yes
Description	*varchar*	*50*	Tb_MGT_BASTRPCD tl.Description		Yes	No
BASTOutVal ue	*integer*	*n/a*	Tb_MGT_BASTRPCD tl. BASTOutValue	1 = Good 2 = Damage 3 = Missing 4 = Not Exist	Yes	No
BASTInValu e	*integer*	*n/a*	Tb_MGT_BASTRPCD tl. BASTOutValue	1 = Good 2 = Damage 3 = Missing 4 = Not Exist		

CreatedBy	*varchar*	*50*	Tb_MGT_BASTRPCDtl.CreatedBy		No	Yes
CreatedDate	*DateTime*	*n/a*	Tb_MGT_BASTRPCDtl.CreatedDate		No	Yes
LastModified Date	*DateTime*	*50*	Tb_MGT_BASTRPCDtl.LastModifiedDate		No	Yes
LastModified By	*varchar*	*n/a*	Tb_MGT_BASTRPCDtl.LastModifiedBy		No	Yes
IsDelete	*Boolean*	*n/a*	Tb_MGT_BASTRPCDtl.IsDelete		No	Yes
RemarkSys	*varchar*	*100*	Tb_MGT_BASTRPCDtl.RemarkSys		No	Yes

Tb_MGT_UnitStatusLoc

Field Name	*Data Type*	*Length*	*Source*	*Remarks*	*Nullable*	*Mandatory*
IdTb_MGT_UnitStatusLoc	*Integer*	*n/a*	Tb_MGT_UnitStatusLoc.Id_Tb_UnitStatusLoc	***Primary key***	No	Yes
IdTb_OPL_Unit	*Integer*	*n/a*	Tb_OPL_Unit.IdTb_OPL_Unit	***Foreign key***	No	Yes
Status	*Varchar*	*20*	Tb_MGT_UnitStatusLoc.Status		No	Yes
Location	*Varchar*	*30*	Tb_MGT_UnitStatusLoc.Location		No	Yes
StartDate	*Date*	*n/a*	Tb_MGT_UnitStatusLoc.StartDate	*Format display on screen: MM/dd/yyyy*	No	Yes
EstDate	*Date*	*n/a*	Tb_MGT_UnitStatusLoc.EstDate	*Format display on screen: MM/dd/yyyy*	Yes	No
EndDate	*Date*	*n/a*	Tb_MGT_UnitStatusLoc.EndDate	*Format display on screen: MM/dd/yyyy*	Yes	No
TransCode	*Integer*	*n/a*	Tb_MGT_UnitStatusLoc.TransCode	Transaction Code: 1. BAST Receiving Delivery = 1 2. BAST Return = 2 3. Regular Maintenance = 3 4. Irregular Maintenance = 4 5. BAST Replacement = 5 6. Insurance Claim = 6	No	Yes
LineTrans	*Integer*	*n/a*	Tb_MGT_UnitStatusLoc.LineTrans		No	Yes
LastModified Date	*DateTime*	*n/a*	Tb_MGT_UnitStatusLoc.LastModifiedDate		No	Yes
LastModified By	*Varchar*	*50*	Tb_MGT_UnitStatusLoc.LastModifiedBy		No	Yes
IsDelete	*Boolean*	*n/a*	Tb_MGT_UnitStatusLoc.IsDelete		No	Yes
RemarkSys	*varchar*	*100*	Tb_MGT_UnitStatusLoc.RemarkSys		No	Yes

Tb_MGT_Current

Field Name	*Data Type*	*Length*	*Source*	*Remarks*	*Nullable*	*Mandatory*
IdTb_MGT_Current	*Integer*	*n/a*	Tb_MGT_Current. IdTb_MGT_Current	***Primary key***	No	Yes
IdTb_OPL_Unit	*integer*	*n/a*	Tb_OPL_Unit. IdTb_OPL_Unit	***Foreign Key***	No	Yes
IdAgreement	*integer*	*n/a*	OPLAgreement. IdOPLAgreement	***Foreign Key***	No	Yes
IdReplacing Unit	*integer*	*n/a*	Tb_MGT_RegRPC.Id UnitOPL	***Foreign Key***	No	Yes
ReplacingPL No	varchar	*10*	Tb_MGT_Current.Re placingPLNo		No	Yes
RPCType	*varchar*	*15*	Tb_MGT_ Current.RPCType		No	Yes
IdTb_MGT_ UnitStatusLo c	*integer*	*n/a*	Tb_MGT_UnitStatus Loc.Id_Tb_UnitStat usLoc	***Foreign Key***	No	Yes
LastModified Date	*DateTim e*	*n/a*	Tb_MGT_UnitStatus Loc.LastModifiedDat e		No	Yes
LastModified By	*Varchar*	*50*	Tb_MGT_UnitStatus Loc.LastModifiedBy		No	Yes
IsDelete	*Boolean*	*n/a*	Tb_MGT_Current.Is Delete		No	Yes
RemarkSys	*varchar*	*100*	Tb_MGT_Current.Re markSys		No	Yes

3.9 Screen Item List

RPT.AD.1.3 Replacement Unit Report Report

No.	*Content*	*Description*	*Source*	*Remarks*
1	Unit Replacement Monthly Report	Deafult 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	User.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*

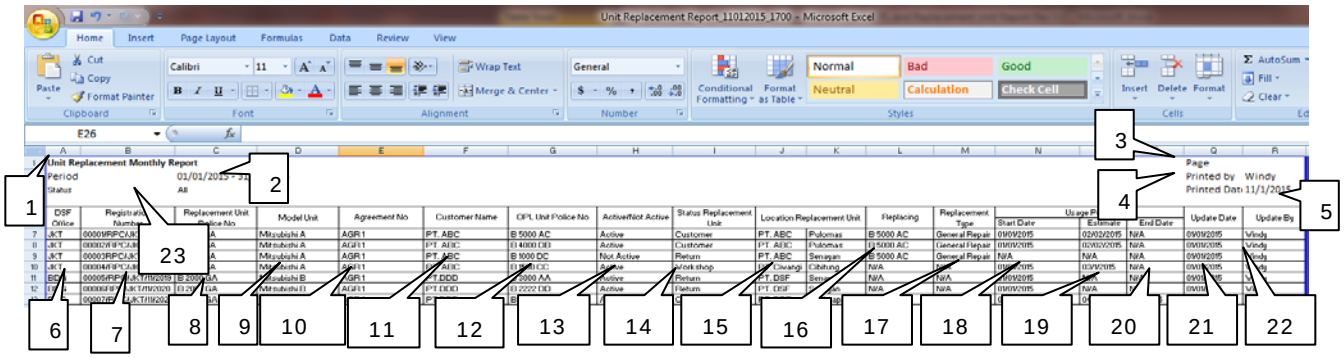
6	DSF Office	DSF Office	Tb_OPL_Branch.BranchShortName	*Where Tb_MGT_RegRPC.IdBranch = Tb_OPL_Branch.IdBranch*
7	Registration Number	Registration Number replacement Unit	Tb_MGT_RegRPC.RegNumber	
8	Replacement Unit Police No	Replacement Unit Police No	Tb_OPL_Unit.Police Number	*Where Tb_MGT_RegRPC.IdRPCUnit = Tb_OPL_Unit.IdTb_OPL_Unit*
9	Model Unit	Model Unit	Product.ModelName	*Where Tb_MGT_RegRPC.IdRPCUnit = Tb_OPL_Unit.IdTb_OPL_Unit AND Tb_OPL_Unit.IdProduct = Product.IdProduct*
10	Agreement No	Agreement Number	OPLAgreement. AgreementNumber	*Where Tb_MGT_RegRPC.IdOPLAgreement = OPLAgreement.IdOPLAgreement*
11	Customer Name	Customer Name	OPLAgreement.CustomerName	*Where Tb_MGT_RegRPC.IdOPLAgreement = OPLAgreement.IdOPLAgreement*
12	OPL Unit Police No	OPL Unit Police No	Tb_OPL_Unit.Police Number	*Where Tb_MGT_RegRPC.IdOPLUnit = Tb_OPL_Unit.IdTb_OPL_Unit*
13	Active/Not Active	Status Active or Not Active of Replacement Unit support one OPL unit based on agreement number	Tb_MGT_RegRPC.IsActive	
14	Status Replacement Unit	Status of Replacement Unit; customer, workshop, return	Tb_MGT_UnitStatusLoc.Status	*1. Search where Tb_MGT_UnitStatusLoc.Transcode = 5* *2. Search where Tb_MGT_UnitStatusLoc.IdTb_OPL_Unit = Tb_MGT_RegRPC.IdRPCUnit*

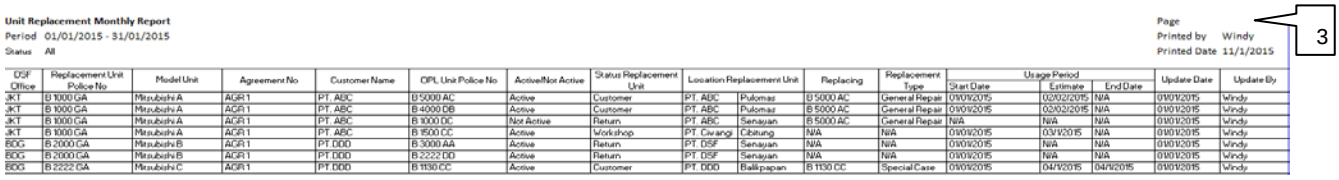
15	Location Replacement Unit	Location of Replacement Unit	Tb_MGT_UnitStatusLoc.Location	*1. Search where Tb_MGT_UnitStatusLoc.Transcode = 5*
				2. Search where Tb_MGT_UnitStatusLoc.IdTb_OPL_Unit = Tb_MGT_RegRPC.IdRPCUnit
				3. Check:
				If Tb_MGT_UnitStatusLoc.Status = "Customer", then
				Column 1 source:
				(OPLAgreement.CustomerName)
				Where Tb_MGT_RegRPC.IdAgreement = OPLAgreement.IdOPLAgreement AND
				Column 2 source:
				(Tb_MGT_UnitStatusLoc.Location), else
				If Tb_MGT_UnitStatusLoc.Status = "Return", then

				Column 1 source: (PT. DSF) *AND* *Column 2 source:* *(Tb_MGT_UnitStatusLoc.Location)*
16	Replacing	OPL Unit Number that being replace by Replacement Unit	Tb_MGT_ BASTRPC.OPLPoliceNo	1. *Search where Tb_MGT_UnitStatusLoc.Transcode = 5* 2. *Search where Tb_MGT_UnitStatusLoc.IdTb_OPL_Unit = Tb_MGT_RegRPC.IdRPCUnit* 3. *Search where Tb_MGT_UnitStatusLoc.LineTrans = Tb_MGT_BASTRPC.IdTb_MGT_BASTRPC* 4. *Check:* *If Tb_MGT_UnitStatusLoc.Status* = "Customer", then Value: Tb_MGT_ BASTRPC.OPLPoliceNo *If Tb_MGT_UnitStatusLoc.Status* = "Return", then Value: "N/A" *If Tb_MGT_UnitStatusLoc.Status* = "Workshop", then Value: "N/A"
17	Replacement Type	Type of Replacement Unit; General Repair, Insurance, Special Case	Tb_MGT_ BASTRPC.ReplacementType	1. *Search where Tb_MGT_UnitStatusLoc.Transcode = 5* 2. *Search where Tb_MGT_UnitStatusLoc.IdTb_OPL_Unit = Tb_MGT_RegRPC.IdRPCUnit* 3. *Search where Tb_MGT_UnitStatusLoc.LineTrans = Tb_MGT_BASTRPC.IdTb_MGT_BASTRPC*
18	Usage Period – Start Date	Start period of Unit Replacement Usage	Tb_MGT_UnitStatusLoc.StartDate	1. *Search where Tb_MGT_UnitStatusLoc.Transcode = 5* 2. *Search where Tb_MGT_UnitStatusLoc.IdTb_OPL_Unit = Tb_MGT_RegRPC.IdRPCUnit* *Format display on report: MM/dd/yyyy*
19	Usage Period – Estimation	Estimation date of Unit Replacement	Tb_MGT_UnitStatusLoc.EstDate	1. *Search where Tb_MGT_UnitStatusLoc.Transco*

		Usage		*de = 5* *2. Search where Tb_MGT_UnitStatusLoc.IdTb_OPL_Unit = Tb_MGT_RegRPC.IdRPCUnit* *Format display on report: MM/dd/yyyy*
20	Usage period – End Date	End Date of Unit Replacement Usage	Tb_MGT_UnitStatusLoc.EndDate	*1. Search where Tb_MGT_UnitStatusLoc.Transcode = 5* *2. Search where Tb_MGT_UnitStatusLoc.IdTb_OPL_Unit = Tb_MGT_RegRPC.IdRPCUnit* *Format display on report: MM/dd/yyyy*
21	Update Date	Update Date Status and Location Replacement Unit	Tb_MGT_UnitStatusLoc.LastModifiedDate	*Format display on report: MM/dd/yyyy*
22	Update By	User that update Status and Location Replacement Unit	Tb_MGT_UnitStatusLoc.LastModifiedBy	
23	Status	Status Filtering based on selected parameter	Based on selected parameter display on list	

Note:
Content number 1,2,3,4,5, and Header of table will be repeatedly print on each page



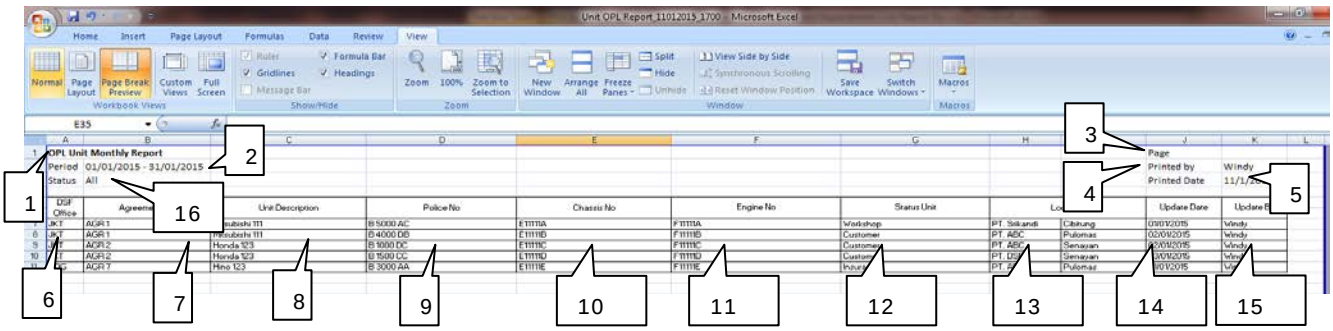


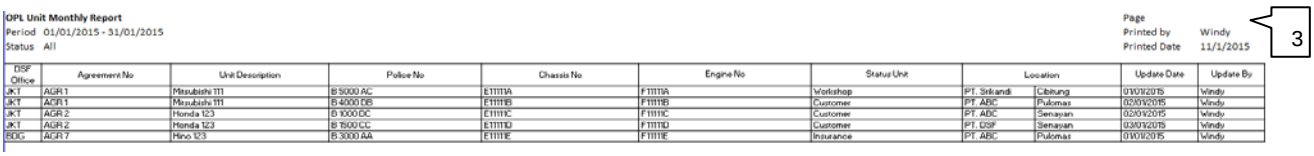
RPT.AD.1.4 Unit OPL Report Report

No.	*Content*	*Description*	*Source*	*Remarks*
1	Unit OPL Monthly Report	Deafult 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	User.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/ DSF Office Code	Tb_OPL_Branch.BranchShortName	*Where Tb_MGT_UnitStatusLoc.IdTb_OPL_Unit = Tb_PRO_PODtl.IdProduct AND Tb_PRO_PODtl.IdTb_PRO_PODtl = Tb_PRO_PO. IdTb_PRO_PO AND Tb_PRO_PO.IdBranch = Tb_OPL_Branch.IdBranch*
7	Agreement No	Agreement Number	OPLAgreement. AgreementNumber	*Tb_MGT_UnitStatusLoc.IdTb_OPL_Unit = Tb_PRO_PODtl.IdProduct AND Tb_PRO_PODtl.IdTb_PRO_PODtl = Tb_PRO_PO. IdTb_PRO_PO AND Tb_PRO_PO.IdOPLAgreement = OPLAgreement.IdOPLAgreement*
8	Unit Description	Model Unit	Product.ModelName	*Tb_MGT_UnitStatusLoc.IdTb_OPL_Unit =Tb_OPL_Unit.IdTb_OPL_Unit AND Tb_OPL_Unit.IdProduct = Product.Id*
9	Police No	OPL Unit Police No	Tb_OPL_Unit.IdProduct	*Tb_MGT_UnitStatusLoc.IdTb_OPL_Unit =Tb_OPL_Unit.IdTb_OPL_Unit*
10	Chassis No	Chassis No	Tb_OPL_Unit.ChassisNo	*Tb_MGT_UnitStatusLoc.IdTb_OPL_Unit =Tb_OPL_Unit.IdTb_OPL_Unit*
11	Engine No	Machine No	Tb_OPL_Unit.EngineNo	*Tb_MGT_UnitStatusLoc.IdTb_OPL_Unit =Tb_OPL_Unit.IdTb_OPL_Unit*
12	Status OPL Unit	Status of Replacement Unit; customer, workshop, return	Tb_MGT_UnitStatusLoc.Status	*If Tb_MGT_UnitStatusLoc.Status =* "Customer", then <u>*Company Name source:*</u> *(OPLAgreement.CustomerName) Where Tb_MGT_UnitStatusLoc.IdTb_OPL_Unit = Tb_OPL_Unit.IdTb_OPL_Unit AND Tb_OPL_Unit.PoliceNumber = Unit.PoliceNumber AND*

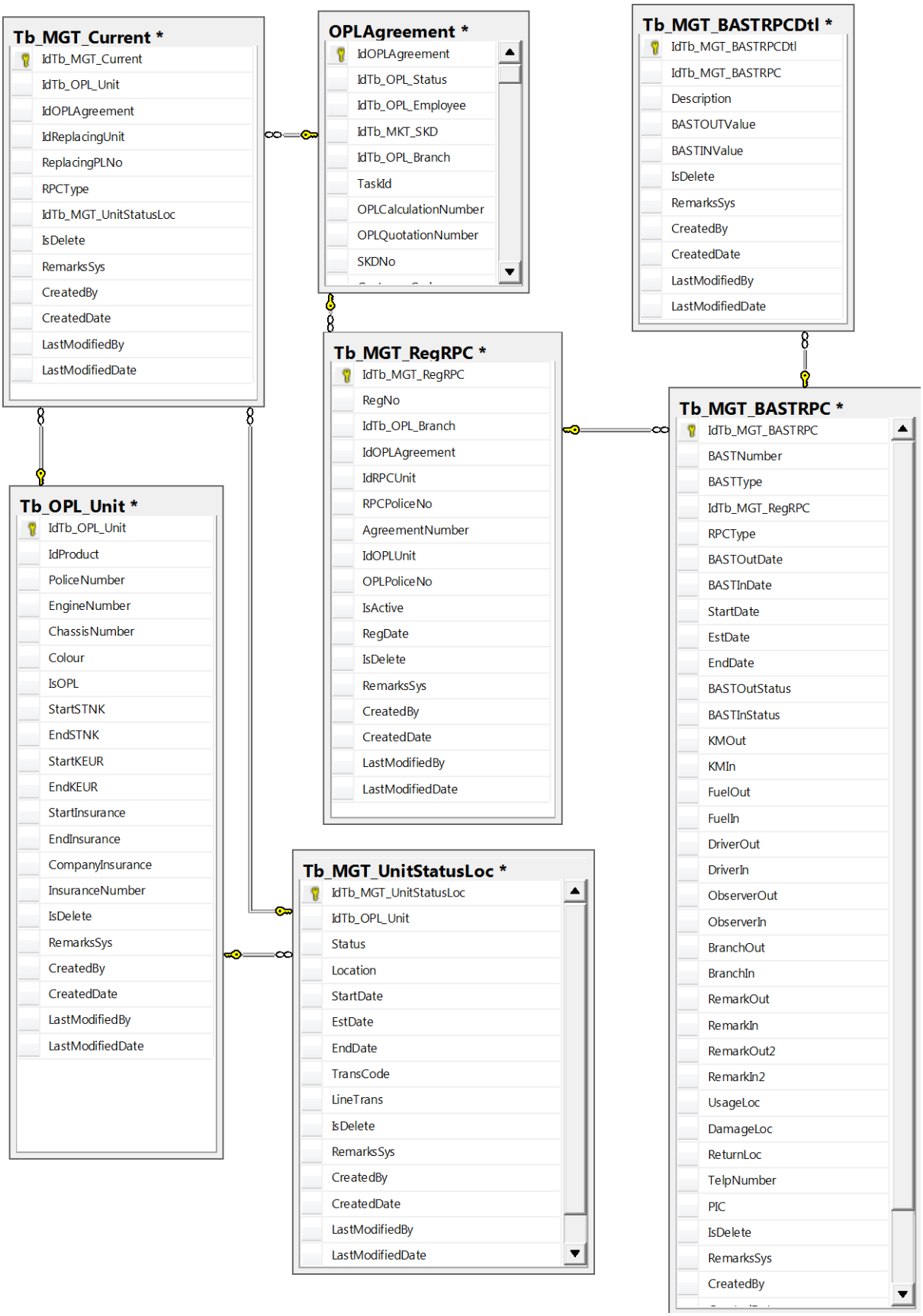
				Unit.IdAgreement = OPLAgreement.IdOPLAgreement AND
				<u>Site source:</u>
				(Tb_MGT_UnitStatusLoc.Location), else
				If Tb_MGT_UnitStatusLoc.Status = "Return", then
				<u>Company Name source:</u> (PT. DSF)
				AND
				<u>Site source:</u>
				(Tb_MGT_UnitStatusLoc.Location), else
				If Tb_MGT_UnitStatusLoc.Status = "Workshop", then
				<u>Company Name source:</u>
				(Tb_MTN_UnderMT.Workshop)
				Where
				Tb_MGT_UnitStatusLoc.LineTrans = Tb_MTN_UnderMT.IdTb_MTN_UnderMT
				AND
				<u>Site source:</u>
				(Tb_MGT_UnitStatusLoc.Location)

13	Location OPL Unit	Location of Replacement Unit	Tb_MGT_UnitStatusLoc.Location	
14	Update Date	Update Date Status and Location Replacement Unit	Tb_MGT_UnitStatusLoc.LastModifiedDate	*Format display on report: MM/dd/yyyy*
15	Update By	User that update Status and Location Replacement Unit	Tb_MGT_UnitStatusLoc.LastModifiedBy	
16	Status	Status Filtering based on selected parameter	Based on selected parameter display on list	





3.10 Entity Relationship Diagram



APPENDIX

Configuration Access for Monitoring Unit Preparation:

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

Legend:
V = Have the access