



PT. BERLIAN SISTEM INFORMASI



# ***OPERATING LEASE SUPPORT SYSTEM DEVELOPMENT***

**FOR**



## *Functional Specification* **A.1 Marketing Module**

**Revision 5.0**

Prepared by:

**PT. Berlian Sistem Informasi**

KTB Annex Bld. 4<sup>th</sup> Floor, Jl. Jend. A. Yani. Pulomas,  
Tel. +62 21 4786 7575 (Hunting) Fax. +62 21 4714964 [www.bsi.co.id](http://www.bsi.co.id)

### Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetya	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 2 of 90

## Document Control

Author	Deny Prasetya
File Name	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx
Path	N/A
Create Date	9/10/2014 08:51:00
Last Edited	25/06/2015 08:24:00
Number of Pages	90

## Revision History

Date	Revision	Description	Author
9-Oct-2014	0.0	Initial creation	Deny Prasetya
10-Oct-2014	0.1	1 <sup>st</sup> Revision	Deny Prasetya
20-Oct-2014	0.2	2 <sup>nd</sup> Revision for correction	Satoshi Koibuchi
21-Oct-2014	1.0	1 <sup>st</sup> Baseline	Deny Prasetya
10-Feb-2015	2.0	Update Calculation Formula on Appendix	A. Fardani Rizki
13-Feb-2015	3.0	Update Screen Design of Operating Lease Calculation	Setiyono
5-Mar-2015	4.0	Update Calculation Formula on Appendix	Setiyono
18-Jun-2015	5.0	Update Screen design and Data structure OPL Calculation and Agreement. This update related to Changes Request number IT/CFR/05-06-15/68	Setiyono

## Distribution List

Name	Organization	Title
Mr. Abdul Somad	Dipo Star Finance, PT	DSF NBD Head
Mr. Ahmad Fikri	Dipo Star Finance, PT	DSF ITD Head
Mr. Mukhlis Ibrahim	Dipo Star Finance, PT	DSF ITD
Mr. Feri Irawan	Berlian Sistem Informasi, PT	BSI Multifinance Division Head
Mr. Asra Haryadi	Berlian Sistem Informasi, PT	BSI Operation Unit Manager
Mr. Devilosa Indra Kamal	Berlian Sistem Informasi, PT	BSI Service Manager

**Functional Specification: A.1 Marketing Module**

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 3 of 90

**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 NBD Head	Mr. Abdul Somad		
DSF ITD Head	Mr. Ahmad Fikri		
DSF ITD	Mr. Mukhlis Ibrahim		
BSI Operation Unit Manager	Mr. Asra Haryadi		
BSI Service Manager	Mr. Devilosa Indra Kamal		

Functional Specification: A.1 Marketing Module			
Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 4 of 90

## TABLE OF CONTENTS

<b>DOCUMENT CONTROL .....</b>	<b>2</b>
<b>REVISION HISTORY.....</b>	<b>2</b>
<b>DISTRIBUTION LIST .....</b>	<b>2</b>
<b>DOCUMENT APPROVAL .....</b>	<b>3</b>
<b>1 INTRODUCTION.....</b>	<b>6</b>
<b>1.1 PURPOSE.....</b>	<b>6</b>
<b>1.2 SCOPE.....</b>	<b>6</b>
<b>1.3 ACRONYMS AND ABBREVIATIONS .....</b>	<b>8</b>
<b>1.4 REFERENCES.....</b>	<b>8</b>
<b>2 DETAIL SPECIFICATION .....</b>	<b>9</b>
<b>2.1 CALCULATION OF SALES .....</b>	<b>9</b>
<b>2.1.1 Use case .....</b>	<b>9</b>
<b>2.1.2 Operations and scenarios .....</b>	<b>9</b>
<b>2.1.3 Status management and roles.....</b>	<b>12</b>
<b>2.1.4 Sitemap design.....</b>	<b>12</b>
<b>2.1.5 Screen design.....</b>	<b>13</b>
<b>2.1.5.1 List of sales calculation.....</b>	<b>13</b>
<b>2.1.5.2 Create new calculation of sales.....</b>	<b>14</b>
<b>2.1.5.3 Update calculation of sales .....</b>	<b>15</b>
<b>2.1.5.4 View detail calculation of sales .....</b>	<b>16</b>
<b>2.1.6 Screen features.....</b>	<b>17</b>
<b>2.1.7 Data structure .....</b>	<b>17</b>
<b>2.2 SALES QUOTATION .....</b>	<b>19</b>
<b>2.2.1 Use case .....</b>	<b>19</b>
<b>2.2.2 Operations and scenarios .....</b>	<b>19</b>
<b>2.2.3 Status management and roles.....</b>	<b>22</b>
<b>2.2.4 Sitemap design.....</b>	<b>23</b>
<b>2.2.5 Screen design.....</b>	<b>23</b>
<b>2.2.5.1 List of sales quotation .....</b>	<b>23</b>
<b>2.2.5.2 Create new sales quotation .....</b>	<b>24</b>
<b>2.2.5.3 Update sales quotation .....</b>	<b>25</b>
<b>2.2.5.4 View detail sales quotation .....</b>	<b>26</b>
<b>2.2.5.5 Preview and print sales quotation .....</b>	<b>27</b>
<b>2.2.6 Screen features.....</b>	<b>28</b>
<b>2.2.7 Data structure .....</b>	<b>28</b>
<b>2.3 CALCULATION OF OPERATING LEASE .....</b>	<b>30</b>
<b>2.3.1 Use case .....</b>	<b>30</b>
<b>2.3.2 Operations and scenarios .....</b>	<b>30</b>
<b>2.3.3 Status management and roles.....</b>	<b>34</b>
<b>2.3.4 Sitemap design.....</b>	<b>35</b>
<b>2.3.5 Screen design.....</b>	<b>35</b>
<b>2.3.5.1 List of operating lease calculation.....</b>	<b>35</b>
<b>2.3.5.2 Create new calculation of operating lease .....</b>	<b>36</b>
<b>2.3.5.3 Update calculation of operating lease .....</b>	<b>41</b>
<b>2.3.5.4 View detail calculation of operating lease .....</b>	<b>46</b>
<b>2.3.5.5 Preview and print operating lease calculation .....</b>	<b>51</b>
<b>2.3.5.6 Preview and print operating lease proposal .....</b>	<b>52</b>
<b>2.3.6 Screen features.....</b>	<b>53</b>

**Functional Specification: A.1 Marketing Module**

Project	Operating Lease Support System Development		
Author	Deny Prasetya	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 5 of 90

<b>2.3.7 Data structure .....</b>	<b>53</b>
<b>2.4 OPERATING LEASE QUOTATION .....</b>	<b>61</b>
<b>2.4.1 Use case .....</b>	<b>61</b>
<b>2.4.2 Operations and scenarios .....</b>	<b>62</b>
<b>2.4.3 Status management and roles.....</b>	<b>65</b>
<b>2.4.4 Sitemap design .....</b>	<b>65</b>
<b>2.4.5 Screen design.....</b>	<b>66</b>
<b>2.4.5.1 List of operating lease quotation .....</b>	<b>66</b>
<b>2.4.5.2 Create new operating lease quotation .....</b>	<b>66</b>
<b>2.4.5.3 Update operating lease quotation .....</b>	<b>67</b>
<b>2.4.5.4 View detail operating lease quotation .....</b>	<b>68</b>
<b>2.4.5.5 Preview and print operating lease quotation.....</b>	<b>69</b>
<b>2.4.6 Screen features.....</b>	<b>70</b>
<b>2.4.7 Data structure .....</b>	<b>71</b>
<b>2.5 AGREEMENT INFORMATION INQUIRY .....</b>	<b>73</b>
<b>2.5.1 Use case .....</b>	<b>73</b>
<b>2.5.2 Operations and scenarios .....</b>	<b>73</b>
<b>2.5.3 Status management and roles.....</b>	<b>76</b>
<b>2.5.4 Sitemap design .....</b>	<b>77</b>
<b>2.5.5 Screen design.....</b>	<b>77</b>
<b>2.5.5.1 List of agreement information inquiry.....</b>	<b>77</b>
<b>2.5.5.2 Create new agreement.....</b>	<b>79</b>
<b>2.5.5.3 Update agreement information.....</b>	<b>80</b>
<b>2.5.5.4 View detail agreement .....</b>	<b>81</b>
<b>2.5.6 Screen features.....</b>	<b>82</b>
<b>2.5.7 Data structure .....</b>	<b>82</b>
<b>3 APPENDIX.....</b>	<b>86</b>
<b>3.1 USE CASE TERMINOLOGY .....</b>	<b>86</b>
<b>3.2 CALCULATION FORMULA .....</b>	<b>87</b>

Functional Specification: A.1 Marketing Module			
Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 6 of 90

## 1 Introduction

### 1.1 Purpose

Functional specification is to explain some of the following:

- 1) Describe who uses your application or system,
- 2) Describe the order in which steps or events or on the scenario are performed,
- 3) Show user interface design, and
- 4) What kind of data that will be maintained by functions.

### 1.2 Scope

Marketing module described about how to maintain data transaction on the marketing process which is utilized by functions in the system. On this module there's no integration with another system (such as ACA and MFAPPL). This module deal in the "to-be design" for developing the new system.

To keep the accuracy of entire design of the system we are using modeling approach for design and analysis. **To define a model of functions we will determine use cases. In the use case, it can summarize who uses your application or system, and what they can do with it.**

Within a use case we can determine which use cases are supported by application. We can create use case diagram, activity diagram, use case scenario, data structure, and interface design.

A data structure can be specified what kind of information that will be required for the system. Data structure is represented database design of the system. A user interface design can imagine the user about the system as visual. User interface is designed based on prototypes which have been already created. And, based on these things, we will develop the system.

The following is functionality of marketing module:

- ✓ Calculation of Refinance
  - a. Create new calculation  
To create a new calculation by filling out create calculation form. On this feature allowed saving calculation as draft or submitting a data to the next process.
  - b. Update calculation  
Update calculation by changing some fields on the edit form.
  - c. Submit calculation  
After calculation confirmed, calculation can be submitted to the next process.
  - d. Filter and sort calculation  
On this feature the calculation record can be filtered and sorted based on columns on top of the list.
  - e. View detail calculation  
To inspect a detail of calculation, this feature is able to display a calculation data. On this feature data is not able to edit.
  - f. Changes status of calculation  
To update status of record by click the button.
- ✓ Refinance Quotation
  - a. Create new quotation  
To create a new quotation by filling out create calculation form. On this feature allowed saving quotation as draft or submitting a data to the next process.

**Functional Specification: A.1 Marketing Module**

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 7 of 90

- b. Update quotation  
Update quotation by changing some fields on the edit form.
  - c. Submit quotation  
After quotation confirmed, calculation can be submitted to the next process.
  - d. Filter and sort calculation  
On this feature the quotation record can be filtered and sorted based on columns on top of the list.
  - e. View detail quotation  
To inspect a detail of quotation, this feature is able to display a quotation data. On this feature data is not able to edit.
  - f. Changes status of quotation  
To update status of record by click the button.
  - g. Preview and print the Refinance quotation  
To preview and print the quotation result by click the button.
- ✓ Calculation of Operating Lease
- a. Create new calculation  
To create a new calculation by filling out create calculation form. On this feature allowed saving calculation as draft or submitting a data to the next process.
  - b. Update calculation  
Update calculation by changing some fields on the edit form.
  - c. Submit calculation  
After calculation confirmed, calculation can be submitted to the next process.
  - d. Filter and sort calculation  
On this feature the calculation record can be filtered and sorted based on columns on top of the list.
  - e. View detail calculation  
To inspect a detail of calculation, this feature is able to display a calculation data. On this feature data is not able to edit.
  - f. Changes status of calculation  
To update status of record by click the button.
  - g. Preview and print the proposal and calculation  
To preview and print the proposal and calculation result by click the button.
- ✓ Operating Lease Quotation
- a. Create new quotation  
To create a new quotation by filling out create calculation form. On this feature allowed saving quotation as draft or submitting a data to the next process.
  - b. Update quotation  
Update quotation by changing some fields on the edit form.
  - c. Submit quotation  
After quotation confirmed, calculation can be submitted to the next process.
  - d. Filter and sort calculation  
On this feature the quotation record can be filtered and sorted based on columns on top of the list.
  - e. View detail quotation  
To inspect a detail of quotation, this feature is able to display a quotation data. On this feature data is not able to edit.
  - f. Changes status of quotation

<b>Functional Specification: A.1 Marketing Module</b>			
Project	Operating Lease Support System Development		
Author	Deny Prasetya	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 8 of 90

- To update status of record by click the button.
- g. Preview and print the operating lease quotation
 

To preview and print the operating lease quotation result by click the button.
- ✓ Agreement Information Inquiry
- a. Create new agreement
 

To input data of agreement by fill out the form. This feature allows a user to save a data into database, after input on the agreement form.
  - b. Update agreement information
 

To update the agreement information by fill out the edit agreement form. This feature allows a user to changes a data on agreement information, and then saves into database.
  - c. Submit agreement information
 

After agreement confirmed, the data can be submitted to the next process.
  - d. Filter and sort agreement information
 

On this feature the agreement record can be filtered and sorted based on columns on top of the list.
  - e. View detail agreement information
 

To check and view the detail of agreement information, user can open details screen. On this features user only can viewing the data, (the data is not able to edit).
  - f. Changes status of quotation
 

After agreement was submitted, agreement can be confirm to validate or set to draft if the data still need to be update by user who initiate to create the agreement.
  - g. Preview and print the operating lease quotation
 

To preview and print the operating lease quotation result by click the button.

### 1.3 Acronyms and abbreviations

- ACA : Auto Credit Approval System
- MFAPPL : Multi Finance Application

### 1.4 References

This functional scope refers “to be design” in the section A.1.Marketeting Module.

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 9 of 90

## 2 Detail Specification

### 2.1 Calculation of Refinance

#### 2.1.1 Use case

The figure below is summarizing who uses features of function, and what they can do with it.

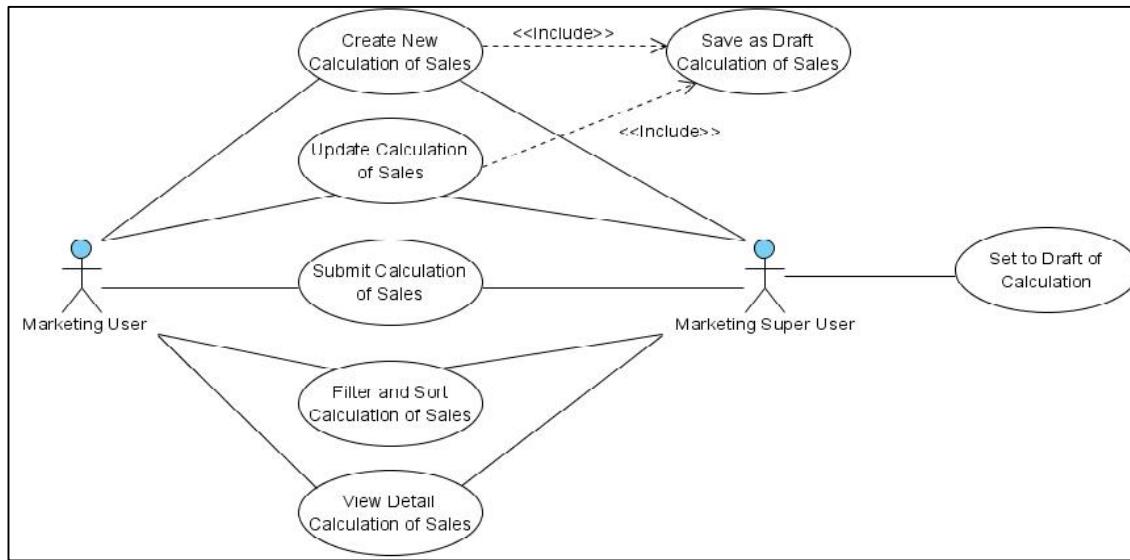


Figure 1 – Use case diagram of Calculation of Refinance

#### 2.1.2 Operations and scenarios

The figure below is describing operations or steps performed in a function interact with people (flow of work between actors and the system).

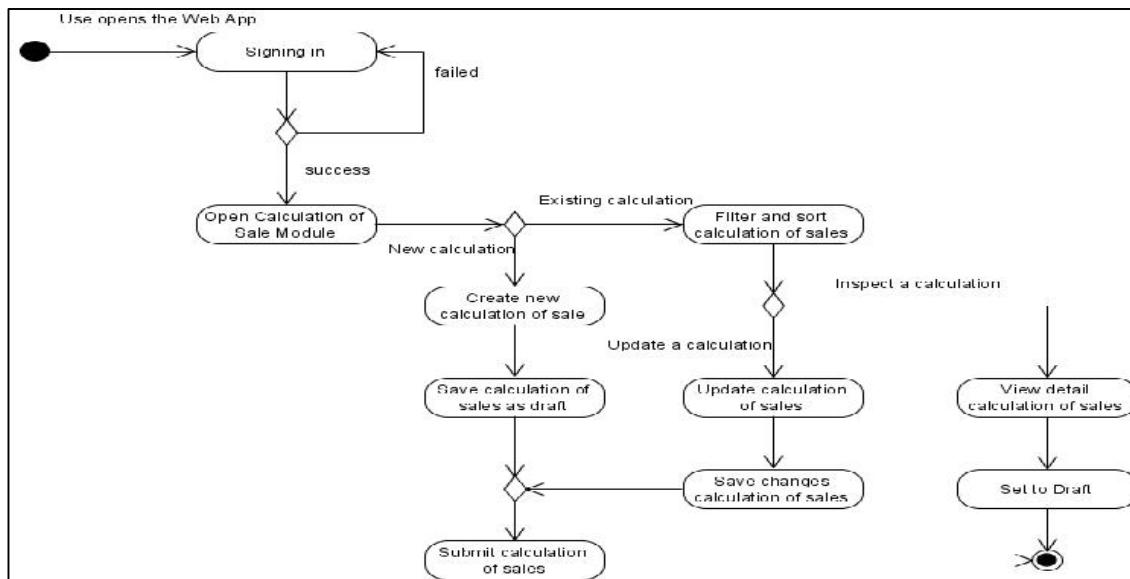


Figure 2 – Activity diagram of Calculation of Refine

### Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 10 of 90

No.	Steps/ Operations	Actor/ People	Scenario
1	Signing in	Marketing user, Marketing superuser	<ul style="list-style-type: none"> <li>Actor fills out sign in form by inputting user name and password.</li> <li>Actor clicks [sign in] button. System will check the account of user; if user account is already registered user will enter into the system. If doesn't user can return the step.</li> </ul>
2.	Open calculation of Refinancemodule	Marketing user, Marketing superuser	<ul style="list-style-type: none"> <li>After login, actor can open calculation of Refinancemodule on the menu of system. After that, screen of calculation of Refinance will open.</li> <li>After screen opens, list of Refinance calculation will be shown and calculation data existing will be displayed.</li> </ul>
3.	Create new calculation	Marketing user, Marketing superuser	<ul style="list-style-type: none"> <li>If calculation screen opens, actor can click [create] button to create new records of calculation and after that create calculation screen will open.</li> <li>Upon create calculation screen, actor can fill out the fields.</li> <li>To fill out lease contract information and product basic information, actor can click [...] button at field of agreement number reff. Upon clicking [...] button at look-up window will be shown. These windows have features to search and select the agreement. At least one agreement must be selected.</li> <li>Profit Amount and Total Amount will be calculated automatically, after fill out the calculation fields.</li> <li>The mandatory fields cannot be blank.</li> </ul>
4.	Save calculation as draft	Marketing user, Marketing super user	<ul style="list-style-type: none"> <li>After filling out the fields, actor can click [save as draft] button, if want to make a records as <u>draft</u>.</li> <li>After that, system will proceed to store a data into database and will automatically check a validity of data (such as; data type, mandatory data, and data length)</li> <li>If done, actor can click [Back] button to return to the list of Refinance calculation, then calculation data will be displayed.</li> </ul>
5	Submit calculation record	Marketing user, Marketing super user	<ul style="list-style-type: none"> <li>Once data is saved and data has been confirmed, actor can submit the record by clicking [Submit] button.</li> <li>After that system will set a calculation record as <u>submitted (or not draft)</u>.</li> <li>If done, actor can click back button to return to the list of Refinance calculation.</li> </ul>
6.	Update calculation records	Marketing user, Marketing super user	<ul style="list-style-type: none"> <li>On the calculation of Refinance screen actor can click [Edit] button to update the calculation record by editing data on the edit calculation screen.</li> <li>If there were calculation still draft, <i>marketing user</i> can click [edit] button on the right side of the records on the</li> </ul>

### Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetya	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 11 of 90

			<p>list of Refinance calculation.</p> <ul style="list-style-type: none"> <li>If there were calculation record already submits and the status is <b>valid</b>, <i>marketing user</i> cannot click [edit] button to open edit calculation screen.</li> <li>If edit calculation screen opens, actor can edit a record by inputting a data on each of the fields.</li> <li>The mandatory fields cannot be blank.</li> </ul>
7.	Filter and sort calculation records	Marketing user, Marketing super user	<ul style="list-style-type: none"> <li>Actor can filter and sort the calculation record based on columns where displayed on the list of Refinance calculation.</li> <li>To filter calculation records, actor can enter keywords into the filter fields. If matched data founds, the filtered result will be displayed on list. If doesn't the list of Refinance calculation will be empty.</li> <li>To sort calculation records, actor can click header of column on the list table. After that the records will be sorted by ascending or descending, alternately.</li> <li>Upon select [record number filter] drop down list, actor can select a record number to display on the list of Refinance calculation. At least only one item can be selected.</li> </ul>
8.	View detail calculation record	Marketing user, Marketing super user	<ul style="list-style-type: none"> <li>On the calculation screen actor can open view detail calculation screen to inspect a data.</li> <li>On the list of Refinance calculation screen, actor can click [view detail] button, after that system will display a screen of calculation detail.</li> <li>On this screen, actor cannot do anything to edit of data. Only viewing calculation record.</li> <li>There are 2 conditions when calculation detail screen opens:             <ol style="list-style-type: none"> <li>If calculation status is still <b>draft</b> or already <b>valid</b>, [validate] button and [set to draft] button will be disappeared.</li> <li>If calculation status was already <b>submitted</b>, [validate] button and [set to draft] button will be shown.</li> </ol> </li> <li>If done, actor can click back button to return to the list.</li> </ul>
9	Set to draft of calculation	Marketing super user	<ul style="list-style-type: none"> <li>To do this process, actor should open calculation detail screen by clicking [view detail] button in the list of Refinance calculation screen. Once calculation detail screen opens, actor can change the status of calculation by clicking [set to draft] button. If calculation still need to revise and status still not valid yet, actor can change the calculation status from <b>submitted</b> to <b>draft</b>.</li> <li>After that, system will proceed automatically to change the status, and actor can click [Back] button to return to the list of Refinance calculation.</li> </ul>

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 12 of 90

### 2.1.3 Status management and roles

The figure below is describing a role matrix (including relation with Status) of actor that already identified in a function.

Role of Actor	Filter and sort	Save as draft	Save changes (draft)	Save changes (submitted)	Submit	Validate
Marketing super user	Yes	Yes	Yes	Yes	Yes	Yes
Marketing user	Yes	Yes	Yes	No	Yes	No

The figure below is describing transition of Status that performed when people interact in a function. In this features, validation (validate and invalidate) process triggered on the Refinance quotation module. If the quotation already validate, so the status of calculation will be valid too, and vice versa.

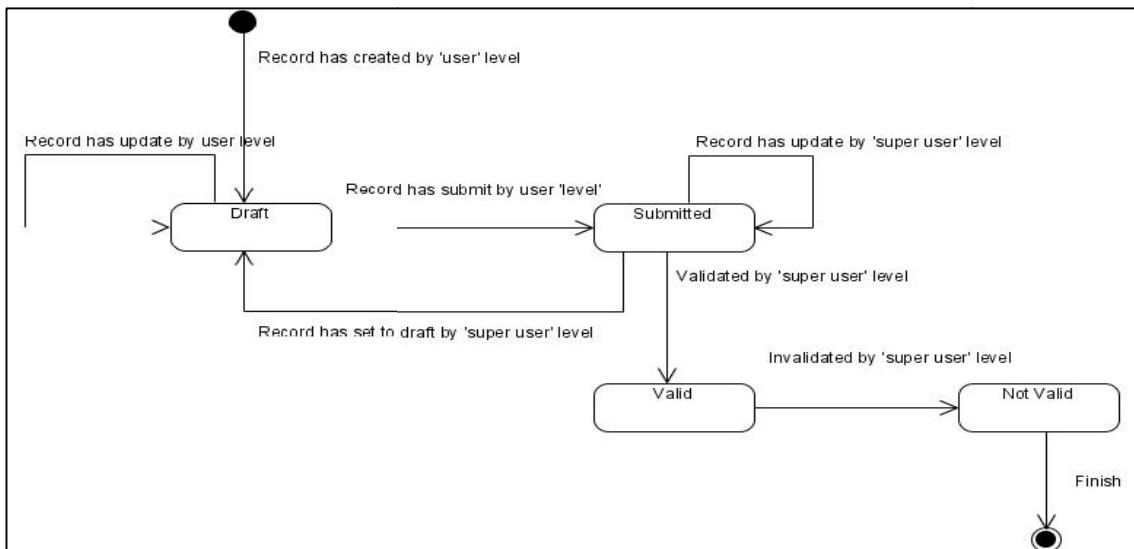


Figure 3 – Status diagram of Calculation of Refinance

### 2.1.4 Sitemap design

Describe a web page that lists the pages on a web site to users. Usually sitemap organized in hierarchical style.



Figure 4 – Sitemap design of Calculation of Refinance

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 13 of 90

### 2.1.5 Screen design

#### 2.1.5.1 List of Refinance calculation

This screen is designed to display a calculation of Refinance list. On this list actor can filter and sort a calculation records. And also, actor can open another screen to create new calculation record, update calculation record, and view detail of calculation record.

The screenshot shows a web-based application interface for managing sales calculations. At the top left, there's a button labeled '+ Create New'. To its right, a red box with an arrow points to it, labeled 'To create new calculation'. Below this, a section titled 'List of Sales Calculation' contains a table with two entries. The table has columns for COS Number, Customer Name, Agreement Number ref., Product, Quantity, Amount, Created By, Created Date, Status, and Action. The first entry is for 'COS0406901' with 'PT. Maju Jaya' as the customer, '000.00074' as the agreement number, 'Mitsubishi Triton GLX SC DA9365CE' as the product, '1 Unit' as quantity, '155,106,364' as amount, 'John Smith' as created by, '01/01/2014' as created date, and a status of 'submitted'. The second entry is similar. Red boxes with arrows point to the 'Show 10 entries' dropdown (labeled 'To filter a number of record filter'), the search bar ('Search'), the 'Created Date' column header (labeled 'To open edit or view detail calculation'), and the 'Action' column header. At the bottom, a red box points to the 'Showing 1 to 2 of 2 entries' message, which is labeled 'Data paging information'. Another red box points to the 'First', 'Previous', 'Next', and 'Last' buttons, which are labeled 'To open paging of records'. The bottom left corner of the page shows the URL 'Prototype - Final/dashboard.htm'.

COS Number	Customer Name	Agreement Number ref.	Product	Quantity	Amount	Created By	Created Date	Status	Action
COS0406901	PT. Maju Jaya	000.00074 /01/03/2012	Mitsubishi Triton GLX SC DA9365CE	1 Unit	155,106,364	John Smith	01/01/2014	submitted	[Edit] [View]
COS0406902	PT. Sejahtera Jaya	000.00074 /01/03/2012	Mitsubishi Triton GLX SC DA9365CE	1 Unit	155,106,364	John Smith	01/01/2014	submitted	[Edit] [View]

Showing 1 to 2 of 2 entries

First Previous 1 Next Last

Prototype - Final/dashboard.htm

Image1 – List of Refinance Calculation Screen

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 14 of 90

### 2.1.5.2 Create new calculation of Refinance

This screen is designed to create new calculation of Refinancerecord. After filling out necessary data on the screen, actor can store a data into the system by clicking the action button.

The screenshot shows the 'Create New Calculation of Refinance' screen. The interface is organized into several sections:

- Top Navigation:** Includes a 'Back' button, a link to 'Return back to list of sales calculation', and a link to 'To entry a calculation data'.
- Lease Contract Information:** Contains fields for Agreement Number Ref., Customer Name Ref., Maintenance Type, Monthly Mileage, Expected Mileage, Expiration Date (mm/dd/yyyy), Purchase Requirement After Lease, and Residual Value.
- Product Basic Information:** Contains fields for Brand Code, Brand Name, Product Name, Model Year, Schedule Date for Registration (mm/dd/yyyy), Displacement, Transmission, Fuel Type, Maximum Loading Capacity, Product Category, Special OP, Registration Date, Usage, Location, and Number Plate Color.
- Calculation:** Contains fields for Actual Residual Value, Unit Quantity, Commission, Input Other Expense, Input Other Expense 1, Input Other Expense 2, Input Other Expense 3, Total Amount, and Profits.
- Bottom Buttons:** Includes 'Save as Draft' and 'Submit' buttons, with a callout pointing to the 'Submit' button.

Image2 – Screen of CreateNew Calculation of Refinance

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 15 of 90

### 2.1.5.3 Updatecalculation of Refinance

This screen is designed to updatecalculation of Refinance. After changing some data on the screen, actor can store a data into the system by clicking the action button.

Return back to list of sales calculation

Entry data form

Validated

Created by: Abdul Somad Zaini | Created Date: 01/01/2014 | Last Modified By: Abdul Somad Zaini | Last Modified Date: 01/01/2014

Number: example | Buyer / Customer: example

Lease Contract Information

Agreement Number Ref.: example | Customer Name Ref.: example

Maintenance Type: example | Monthly Mileage: example | Expected Mileage: example

Expiration Date (mm/dd/yyyy): example | Purchase Requirement After Lease: example | Residual Value: example

Product Basic Information

Brand Code: example | Brand Name: example | Product Name: example

Model Year: example | Schedule Date for Registration (mm/dd/yyyy): example | Displacement: example

Transmission: example | Fuel Type: example | Maximum Loading Capacity: example

Product Category: example | Special OP: example | Registration Date (mm/dd/yyyy): example

Usage: City: example | Location: example | Number Plate Color: Black

Calculation

Actual Residual Value	0.00
Unit Quantity	0.00
Comission	0.00
example	0.00
example	0.00
example	0.00
Total Amount	0.00

Profits

Item	Amount
Profits Total Amount - Actual Residual Value	0.00

Save Changes | Submit | To save or submit of data

Image3 – Screen of Update Calculation of Refinance

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 16 of 90

### 2.1.5.4 View detail calculation of Refinance

This screen is designed to view detail a calculation of Refinance. On this screen actor can change status of a Refinance calculation by clicking action button.

The screenshot shows a form for viewing and managing a Refinance calculation. Key elements include:

- Header:** Includes navigation buttons (Back, Home), search fields (Number, Buyer / Customer), and status indicators (Created by: Abdul Somad Zaini, Created Date: 01/01/2014, Last Modified by: Abdul Somad Zaini, Last Modified Date: 01/01/2014).
- Contract Information:** Details like Agreement Number Ref., Customer Name Ref., Maintenance Type, Monthly Mileage, Expected Mileage, Expiration Date, Purchase Requirement After Lease, and Residual Value.
- Product Basic Information:** Fields for Brand Code, Model Year, Transmission, Product Category, Usage, and various registration details.
- Calculation:** A table showing Actual Residual Value (0.00), Unit Quantity (0.00), Comission (0.00), Example Other Expense (0.00), Example Other Expense 1 (0.00), Example Other Expense 2 (0.00), Example Other Expense 3 (0.00), and Total Amount (0.00).
- Profits:** A table showing Item (Profits Total Amount - Actual Residual Value) and Profit Amount (0.00).
- Footer:** Contains a 'Validate' button and a note: "To changes a status of calculation record".

Image4 – Screen of View Detail Calculation of Refinance

### Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 17 of 90

#### 2.1.6 Screen features

Features	Description
[Filter and sort]	To perform data filtering and data sorting of calculation records.
[Create new]	To create new calculations by entering data on create new calculation form.
[Save as draft] or [Set to draft]	To save a calculation as a draft.
[Submit]	To submit a calculation record as a final.
[Save changes]	To update changes when editing calculation record.
[View detail]	To inspect a detail calculation records by opening a calculation detail form.
[Edit]	To update of calculation record.

#### 2.1.7 Data structure

Field	Data Type	Data Length	Format	Mandatory
<b>Calculation Identity</b>				
Calculation of Refinance Number	Text	50	N/A	Yes
Buyer/ Customer Name	Text	200	N/A	Yes
<b>Lease Contract Information</b>				
Agreement Number Reff.	Text	50	N/A	Yes
Customer Name Reff.	Text	200	N/A	Yes
Maintenance Type	Text	100	N/A	No
Monthly Mileage	Number	N/A	###,###,##.##	No
Expected Mileage	Number	N/A	###,###,##.##	No
Expiration Date	Date	N/A	mm-dd-yyyy	No
Purchase Requirement After Refinance	Text	200	N/A	No
Residual Value	Decimal	18,3	###,###,##.##	No
<b>Product Basic Information</b>				
Product Registration Code	Text	50	N/A	Yes
Product Type	Text	100	N/A	Yes
Product Category	Text	50	N/A	Yes
Product Brand Code	Text	50	N/A	Yes
Product Brand Name	Text	100	N/A	Yes
Product Model Code	Text	100	N/A	Yes
Product Model Name	Text	100	N/A	Yes
Product Model Type	Text	100	N/A	Yes
Product Model Year	Date	N/A	mm-yyyy	Yes
Transmission	Text	100	N/A	Yes
Fuel Type	Text	100	N/A	Yes
Displacement (cc)	Text	100	N/A	Yes

**Functional Specification: A.1 Marketing Module**

Project	Operating Lease Support System Development			
Author	Deny Prasetia		Date	30 Juni 2015
Status	Baseline		Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page		Page 18 of 90

Maximum Loading Capacity	Number	50	N/A	No
Product Category	Text	100	N/A	No
Number Plate Color	Text	100	N/A	No
Usage	Text	100	N/A	No
Location	Text	100	N/A	No
Schedule Date for Registration	Decimal	18,3	mm-dd-yyyy	No
Registration Date	Date	N/A	mm-dd-yyyy	No
<b>Calculation</b>				
Actual Residual Value	Decimal	18,3	###,###,##.##	Yes
Unit Quantity	Decimal	18,3	###,###,##.##	Yes
Commission	Decimal	18,3	###,###,##.##	No
Other Expense 1	Decimal	N/A	###,###,##.##	No
Other Expense 2	Decimal	18,3	###,###,##.##	No
Other Expense 3	Decimal	18,3	###,###,##.##	No
Total Amount	Decimal	18,3	###,###,##.##	Yes
Profit Amount	Decimal	18,3	###,###,##.##	Yes
<b>Audit Trail</b>				
Create By	Text	100	N/A	Yes
Create Date	Date time	N/A	mm-dd-yyyy:hh-mm:ss	No
Last Modified By	Text	100	N/A	Yes
Last Modified	Date time	N/A	mm-dd-yyyy:hh-mm:ss	No
<b>Status Management</b>				
Is Deleted	Yes/No	N/A	N/A	Yes
Is Draft	Yes/No	N/A	N/A	Yes
Is Submitted	Yes/No	N/A	N/A	Yes
Is Valid	Yes/No	N/A	N/A	Yes

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 19 of 90

## 2.2 Refinance Quotation

### 2.2.1 Use case

The figure below is summarizing who uses features of function, and what they can do with it.

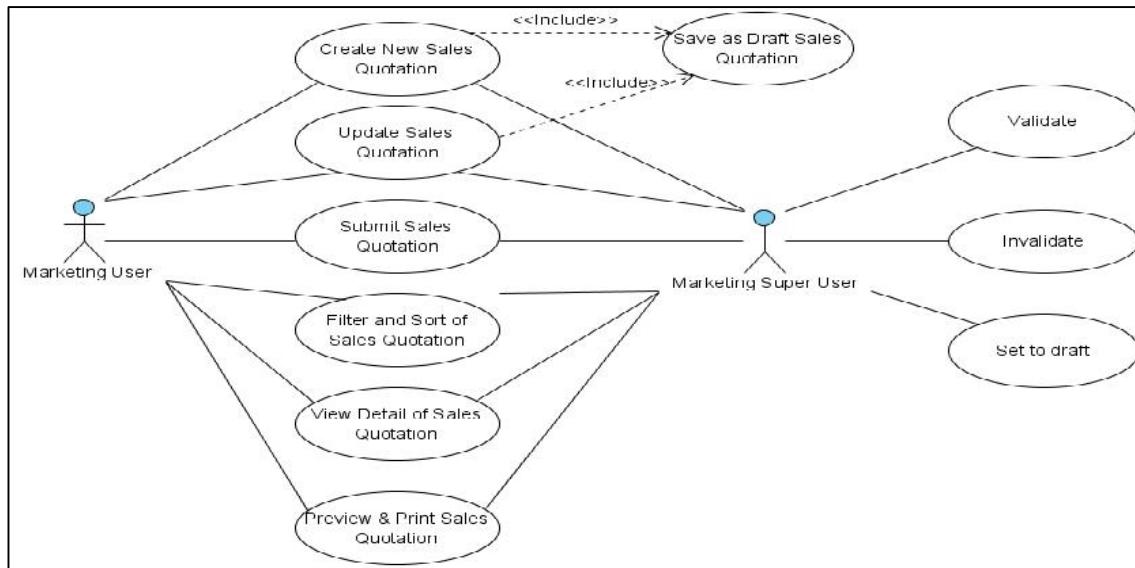


Figure 5 – Use case diagram of Refinance Quotation

### 2.2.2 Operations and scenarios

The figure below is describing operations or steps performed in a function interact with people (flow of work between actors and the system).

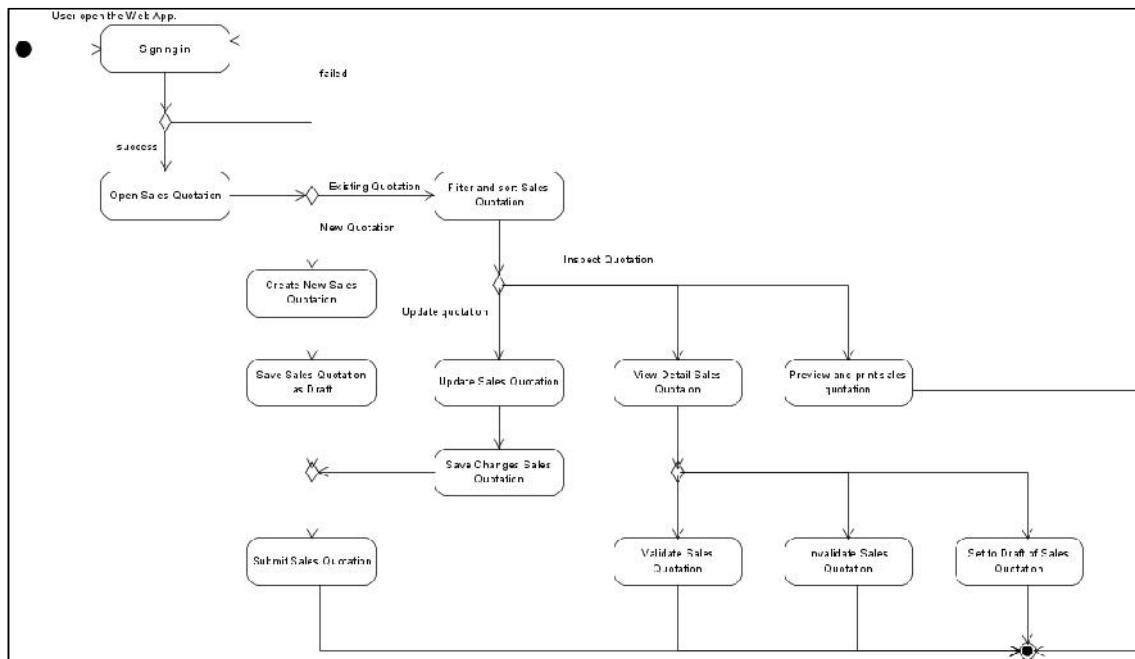


Figure 6 – Activity diagram of Refinance Quotation

**Functional Specification: A.1 Marketing Module**

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 20 of 90

No.	Steps/ Operations	Actor/ People	Scenario
1	Signing in	Marketing user, Marketing superuser	<ul style="list-style-type: none"> <li>Actor fills out sign in form by inputting user name and password.</li> <li>Actor clicks [sign in] button. System will check the account of user; if user account is already registered user will enter into the system. If doesn't user can return the step.</li> </ul>
2.	Open calculation of Refinance module	Marketing user, Marketing superuser	<ul style="list-style-type: none"> <li>After login, actor can open Refinance quotation module on the menu of system. After that, the Refinance quotation screen will open.</li> <li>After screen opens, Refinance quotation list will be shown and existing data will be displayed.</li> </ul>
3.	Create new Refinance quotation	Marketing user, Marketing superuser	<ul style="list-style-type: none"> <li>If list of Refinancequotation screen opens, actor can click [create] button to create new quotation and after that create Refinance quotation screen will open. On this screen actor can specify the calculation records as basis to create the Refinance quotation.</li> <li>To specify the calculation records, click [...] button at calculation number, after that look-up window will be shown. These windows have features to search and select the calculation. At least one calculation must be selected. Once it done, actor can fill out other information on each field.</li> <li>The mandatory fields cannot be blank.</li> </ul>
4.	Save Refinance quotation as draft	Marketing user, Marketing super user	<ul style="list-style-type: none"> <li>After filling out the fields, actor can click [save as draft] button, if want to make a records as <b><u>draft</u></b>.</li> <li>After that, system will proceed to store a data into database and will automatically check a validity of data (such as; data type, mandatory data, and data length)</li> <li>If done, actor can click [Back] button to return to the list of Refinance calculation, then Refinance quotation data will be displayed.</li> </ul>
5	Submit Refinance quotation record	Marketing user, Marketing super user	<ul style="list-style-type: none"> <li>Once data is saved and data has been confirmed, actor can submit the record by click [Submit] button.</li> <li>After that system will set a Refinance quotation record as <b><u>submitted (or not draft)</u></b>.</li> <li>If done, actor can click back button to return to the list of Refinancequotation.</li> </ul>
6.	Update Refinance quotation records	Marketing user, Marketing super user	<ul style="list-style-type: none"> <li>On the list of Refinance quotation screen actor can click [Edit] button to update the record by editing data on the edit screen.</li> <li>If the quotations still <b><u>draft</u></b>, <i>marketing user</i> can click [edit] button on the right side of the records on list of Refinance quotation screen.</li> <li>If the quotationrecords already <b><u>submit</u></b> and the status is <b><u>valid</u></b>, <i>marketing user</i> cannot click [edit] button to open edit Refinance quotation screen.</li> </ul>

**Functional Specification: A.1 Marketing Module**

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 21 of 90

			<ul style="list-style-type: none"> <li>• If edit screen opens, actor can edit a record by inputting a data on each of the fields.</li> <li>• The mandatory fields cannot be blank.</li> </ul>
7.	Filter and sort Refinance quotation records	Marketing user, Marketing super user	<ul style="list-style-type: none"> <li>• Actor can filter and sort the record based on columns where displayed on the list.</li> <li>• To filter the records, actor can enter keywords into the filter fields. If matched data founds, the result will be displayed on the list. If doesn't, the list will be empty.</li> <li>• To sort the records, actor can click header of column on the list table. After that the records will be sorted by ascending or descending, alternately.</li> <li>• Upon select [record number filter] drop down list, actor can filter a record number to display on the list. At least only one item can be selected.</li> </ul>
8.	View detail Refinance quotation record	Marketing user, Marketing super user	<ul style="list-style-type: none"> <li>• On the list of Refinance quotation screen actor can view detail a Refinance quotation on the view detail screen.</li> <li>• To open view detail screen, actor can click [view detail] button, after that system will display a detail of Refinance quotation. On this screen, actor cannot do anything to edit of data. Only viewing the record.</li> <li>• There are 2 conditions when view detail screen opens:             <ol style="list-style-type: none"> <li>1) If the Refinance quotation status is still <b>draft</b> or already <b>valid</b>, [validate] button and [set to draft] button will be disappeared.</li> <li>2) If Refinance quotation status was already <b>submitted</b>, [validate] button and [set to draft] button will be shown.</li> </ol> </li> <li>• If done, actor can click [Back] button to return to the list.</li> </ul>
9	Validate Refinance quotation	Marketing super user	<ul style="list-style-type: none"> <li>• To do this process, actor should open view detail screen by clicking [view detail] button on the list. Once view detail screen opens, actor can change the status by clicking [validate] button. If Refinance quotation is already confirmed. After status changes to <b>valid</b>, actor cannot rollback the status to <b>submitted</b> or <b>draft</b>.</li> <li>• After that, system will proceed automatically to change the status, and actor can click [Back] button to return to the list.</li> </ul>
10	Invalidate Refinance quotation	Marketing super user	<ul style="list-style-type: none"> <li>• For the worst case, if Refinance quotation were made inoperative/ not applicable, actor can change the status from <b>valid</b> to <b>not valid</b>.</li> <li>• To do this process, actor should open view detail screen by clicking [view detail] button on the list. Once view detail screen opens, actor can change the status by clicking [Invalidate] button.</li> <li>• After that, system will proceed automatically to change the status, and actor can click [Back] button to return to the list.</li> </ul>

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetya	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 22 of 90

11	Set to DraftRefinance quotation	Marketing super user	<ul style="list-style-type: none"> <li>To utilize this feature; If Refinance quotation still need to be revised and status still not valid yet, actor can change the status from <b>submitted</b> to <b>draft</b>.</li> <li>To do this process, actor should open view detail screen by clicking [view detail] button on the list. Once view detail screen opens, actor can change the status by clicking [validate] button or [set to draft] button (depending by status that needs to change).</li> <li>After that, system will proceed automatically to change the status, and actor can click [Back] button to return to the list.</li> </ul>
12	Preview and print Refinance quotation	Marketing user, Marketing super user	<ul style="list-style-type: none"> <li>To do this process, actor can select the quotation record by clicking [Print preview] button, and after that the preview screen will be opened.</li> <li>Once preview screen opens, actor can click [Print] button to print the report.</li> <li>If done, actor can click [Back] button to return to the list.</li> </ul>

### 2.2.3 Status management and roles

The figure below is describing a role matrix (including relation with Status) of actor that already identified in a function.

Role of Actor	Filter and sort	Save as draft	Save changes (draft)	Save changes (submitted)	Submit	Validate	Preview & Print
Marketing super user	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Marketing user	Yes	Yes	Yes	No	Yes	No	Yes

The figure below is describing transition of Status that performed when people interact in a function. In this features, validation (validate and invalidate) process triggered on the operating lease quotation module. If the quotation already validate, so the status of Refinance quotation will be valid too, and vice versa.

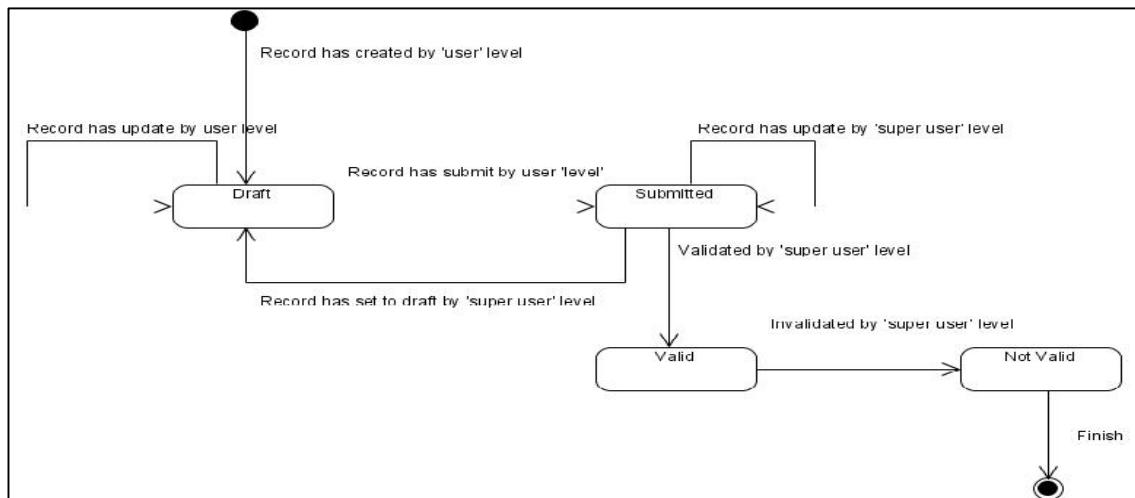


Figure 7 – Status diagram of Calculation of Refinance

Functional Specification: A.1 Marketing Module			
Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 23 of 90

## 2.2.4 Sitemap design

Describe a web page that lists the pages on a web site to actors. Usually sitemap organized in hierarchical style.



Figure 8 – Sitemap design of Refinance Quotation

## 2.2.5 Screen design

### 2.2.5.1 List of Refinance quotation

This screen is designed to display a list of Refinance quotation. On this list actor can filter and sort a calculation records. And also, actor can open another screen to create new quotation record, update quotation record, and view detail quotation record.

Number	Buyer / Customer	Product Name	Expected Delivery	Delivery Place	Validity Month	Status	Action
A001	PT. Maju Sejahtera	Example Product	20/4/01/01	Jakarta	January	submitted	[Edit, View, Lock]
A002	PT. Maju Mundur	Example Product	20/4/01/01	Jakarta	January	valid	[Edit, View, Lock]
A003	PT. Maju Mundur	Example Product	20/4/01/01	Jakarta	January	submitted	[Edit, View, Lock]
A004	PT. Maju Mundur	Example Product	20/4/01/01	Jakarta	January	valid	[Edit, View, Lock]
A005	PT. Maju Mundur	Example Product	20/4/01/01	Jakarta	January	submitted	[Edit, View, Lock]
A006	PT. Maju Mundur	Example Product	20/4/01/01	Jakarta	January	valid	[Edit, View, Lock]

Image5 – List of RefinanceQuotation Screen

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetya	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 24 of 90

### 2.2.5.2 Create new Refinance quotation

This screen is designed to create new Refinance quotation record. After filling out necessary data on the screen, actor can store a data into the system by clicking the action button.

The screenshot shows a user interface for creating a new Refinance quotation. The form is organized into several sections:

- Product Basic Information:** This section contains fields for Number (Number), Buyer / Customer (Buyer / Customer), Brand Code (Brand Code), Brand Name (Brand Name), Product Name (Product Name), Model Year (Model Year), Schedule Date for Registration (mm/dd/yyyy), Displacement (Displacement), Transmission (Transmission), Fuel Type (Fuel Type), Maximum Loading Capacity (Maximum Loading Capacity), Product Category (Product Category), Special OP (Special OP), Registration Date (mm/dd/yyyy), Registration Date (Registration Date), Usage (City), Location (Location), and Number Plate Color (Black).
- Quotation Information:** This section contains fields for Validity Month (Validity Month), Terms (Terms), Expected Delivery (dd/mm/yyyy) (Expected Delivery (dd/mm/yyyy)), Down Payment (Down Payment), Delivery Place (Delivery Place), and Remarks (Remarks).
- Action Buttons:** At the bottom left, there are two buttons: "Save as Draft" (blue background) and "Submit" (dark blue background). A red box highlights the "Submit" button, and a red arrow points from the text "To save or submit calculation data" to it.
- Navigation and Status:** At the top left, there is a "Back" button and a link "Return back to list of sales calculation". At the top right, there is a link "To entry a calculation data".

Image6 – Screen of Create New Refinance Quotation

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 25 of 90

### 2.2.5.3 Update Refinance quotation

This screen is designed to update Refinance quotation. After changes some data on the screen, actor can store a data into the system by click the action button.

The screenshot shows the 'Update Refinance quotation' screen with the following interface elements:

- Top Navigation:**
  - 'Back' button (highlighted)
  - 'Return back to list of sales quotation' button (highlighted)
  - 'Status of sales quotation' button (highlighted)
  - 'Draft' button (highlighted)
- User Details:**
  - Created by: Abdul Somad Zaini
  - Created Date: 01/01/2014
  - Last Modified By: Abdul Somad Zaini
  - Last Modified Date: 01/01/2014
- Product Basic Information:**

Number	Buyer / Customer
Example	Example
- Quotation Information:**

Validity Month	Terms	Expected Delivery (dd/mm/yyyy)
Example	Example	Example
Down Payment	Delivery Place	Remarks
Example	Example	Example
- Action Buttons:**
  - 'Save Changes' button (highlighted)
  - 'Submit' button (highlighted)
  - 'To save or submit of data' button (highlighted)

Image7 – Screen of Update Refinance Quotation

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 26 of 90

### 2.2.5.4 View detail Refinance quotation

This screen is designed to view detailRefinance quotation. On this screen actor can change status of a calculation of Refinance by clicking action button.

Number	Buyer / Customer
Example	Example

Product Basic Information		
Brand Code	Brand Name	Product Name
Example	Example	Example
Model Year	Schedule Date for Registration (mm/dd/yyyy)	Displacement
Example	Example	Example
Transmission	Fuel Type	Maximum Loading Capacity
Example	Example	Example
Product Category	Special OP	Registration Date (mm/dd/yyyy)
Example	Example	Example
Usage	Location	Number Plate Color
Example	Example	Example

Quotation Information		
Validity Month	Terms	Expected Delivery (dd/mm/yyyy)
Example	Example	Example
Down Payment	Delivery Place	Remarks
Example	Example	Example

<b>Validate</b>	To changes a status of sales quotation record
-----------------	---

Image8 – Screen of View Detail Refinance Quotation

**Functional Specification: A.1 Marketing Module**

Project	Operating Lease Support System Development		
Author	Deny Prasetya	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 27 of 90

**2.2.5.5 Preview and print Refinance quotation**

This screen is designed to view detail Refinance quotation. On this screen actor can change status of a calculation of Refinance by clicking action button.

 SENTRAL SENAYAN 2, 3RD FLOOR. JL. ASIA AFRIKA No. 8. SENAYAN, JAKARTA Tel: (021) 57954100, Fax: (021) 5795 4075	<div style="margin-bottom: 10px;">         Used Car Sales Quotation          To: _____       </div> <div style="display: flex; justify-content: space-between;"> <span>Date</span> <span>05/06/2014</span> </div> <div style="display: flex; justify-content: space-between;"> <span>No</span> <span>A019120</span> </div> <div style="text-align: right; margin-top: 5px;">         Validity: Within one month after the date.       </div> <div style="border: 1px solid #ccc; padding: 5px; margin-top: 10px;">         (1) Description of the Vehicle Information       </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span>Manufacture / Name</span> <span>Year</span> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span>Grade</span> <span>Engine Number</span> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span>Model</span> <span>Police Number</span> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span>Transmission</span> <span>Odometer Reading (Km)</span> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span>Color</span> <span>Payload</span> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span>Passanger</span> <span></span> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span>Accessories and Option</span> <span></span> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span>(2) Term</span> <span>(3) Expected Delivery Date</span> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span>Exact Sales Amount</span> <span></span> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span>Down Payment</span> <span></span> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span>Payment</span> <span></span> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span>(4) Delivery Place</span> <span></span> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span>(5) Remarks</span> <span></span> </div> <div style="margin-top: 10px;"> <p>We will be happy to supply any further information you may need and trust that you call on us to fill your order, which will receive our prompt and careful attention.</p> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <span>PT.Dipo Star Finance</span> <span>PT.Dipo Star Finance</span> </div> <div style="text-align: center; margin-top: 20px;">  <span>_____</span>  </div>
--	--

**Image9 – Screen of RefinanceQuotation Report**

### Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 28 of 90

#### 2.2.6 Screen features

Features	Description
[Filter and sort]	To perform data filtering and data sorting of calculation records.
[Create new]	To create new Refinance quotations by entry data on create new form.
[Save as draft] or [Set to draft]	To save a quotation as a draft.
[Submit]	To submit a quotation record as a final.
[Save changes]	To update of changes when editing Refinance quotation record.
[View detail]	To inspect a detail Refinance quotation records by opens a view detail form.
[Edit]	To update of Refinance quotation record.
[Validate]	To validate of Refinance quotation.
[Preview and Print]	To preview and print the report.

#### 2.2.7 Data structure

Field	Data Type	Data Length	Format	Mandatory
<b>Calculation Identity</b>				
Calculation of Refinance Number	Text	50	N/A	Yes
Buyer/ Customer Name	Text	100	N/A	Yes
<b>Product Basic Information</b>				
Product Registration Code	Text	50	N/A	Yes
Product Type	Text	100	N/A	Yes
Product Category	Text	50	N/A	Yes
Product Brand Code	Text	50	N/A	Yes
Product Brand Name	Text	100	N/A	Yes
Product Model Code	Text	100	N/A	Yes
Product Model Name	Text	100	N/A	Yes
Product Model Type	Text	100	N/A	Yes
Product Model Year	Date	N/A	mm-yyyy	Yes
Transmission	Text	100	N/A	Yes
Fuel Type	Text	100	N/A	Yes
Displacement (cc)	Text	100	N/A	Yes
Maximum Loading Capacity	Number	50	N/A	No
Product Category	Text	100	N/A	No
Number Plate Color	Text	100	N/A	No
Usage	Text	100	N/A	No
Location	Text	100	N/A	No
Schedule Date for Registration	Decimal	18,3	mm-dd-yyyy	No

**Functional Specification: A.1 Marketing Module**

Project	Operating Lease Support System Development			
Author	Deny Prasetya		Date	30 Juni 2015
Status	Baseline		Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page		Page 29 of 90

Registration Date	Date	N/A	mm-dd-yyyy	No
<b>Quotation Information</b>				
Valid Until	Date	N/A	mm-dd-yyyy	No
Terms	Text	200	N/A	Yes
Expected Delivery Date	Date	N/A	mm-dd-yyyy	No
Down Payment	Decimal	18,3	###,###,##.##	No
Delivery Place	Text	100	N/A	No
Remarks	Text	200	N/A	No
<b>Audit Trail</b>				
Create By	Text	100	N/A	Yes
Create Date	Date time	N/A	mm-dd-yyyy:hh-mm:ss	No
Last Modified By	Text	100	N/A	Yes
Last Modified	Date time	N/A	mm-dd-yyyy:hh-mm:ss	No
<b>Status Management</b>				
Is Deleted	Yes/No	N/A	N/A	Yes
Is Draft	Yes/No	N/A	N/A	Yes
Is Submitted	Yes/No	N/A	N/A	Yes
Is Valid	Yes/No	N/A	N/A	Yes

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 30 of 90

### 2.3 Calculation of Operating Lease

#### 2.3.1 Use case

The figure below is summarizing who uses features of function, and what they can do with it.

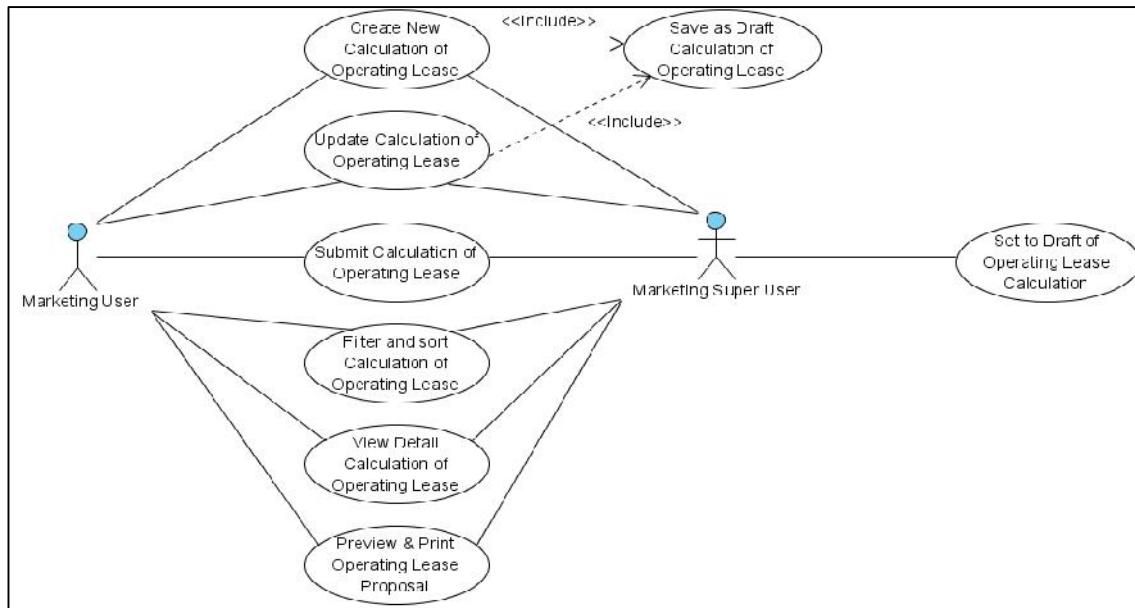


Figure 9 – Use case diagram of Calculation of Operating Lease

#### 2.3.2 Operations and scenarios

The figure below is describing operations or steps performed in a function interact with people (flow of work between actors and the system).

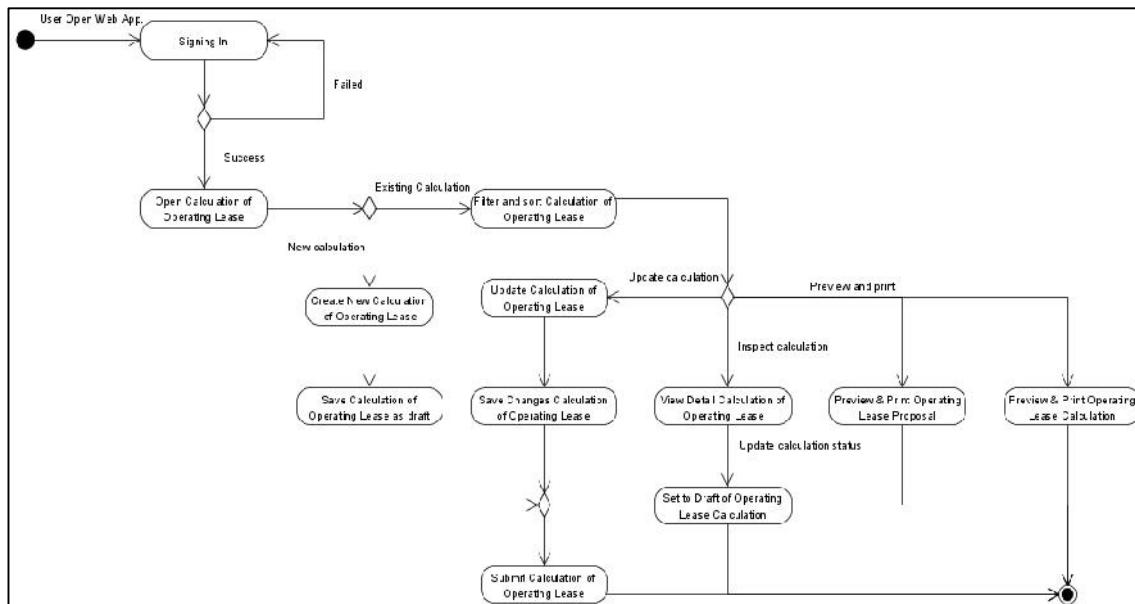


Figure 10 – Activity diagram of Calculation of Operating Lease

**Functional Specification: A.1 Marketing Module**

Project	Operating Lease Support System Development		
Author	Deny Prasetya	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 31 of 90

No.	Steps/ Operations	Actor/ People	Scenario
1	Signing in	Marketing user, Marketing superuser	<ul style="list-style-type: none"> <li>Actor fills out sign in form by inputting user name and password.</li> <li>Actor clicks [sign in] button. System will check the account of user; if user account is already registered user will enter into the system. If doesn't user can return the step.</li> </ul>
2.	Open calculation of operating lease module	Marketing user, Marketing superuser	<ul style="list-style-type: none"> <li>After login, actor can open calculation of operating lease module on the menu of system. After that, screen of calculation of operating lease will open.</li> <li>After screen opens, list of operating lease calculation will be shown and calculation data existing will be displayed.</li> </ul>
3.	Create new calculation of operating lease	Marketing user, Marketing superuser	<ul style="list-style-type: none"> <li>If calculation screen opens, actor can click [create] button to create new records of calculation and after that create calculation screen will open.</li> <li>Once create calculation opens, the actors can fill out a form that is divided into 5 steps:           <ol style="list-style-type: none"> <li>Step-1; on this step product information and basic lease information should be identified first before continuing to the next step. To fill out product information and customer field actor can click [...] button at the fields. Upon clicking [...] button at look-up window will be shown. These windows have features to search and select the record. At least one record must be selected. On this step actor cannot move to the next step, if data has not been saved as draft. If it is done, click [next step] button to continue to Step-2 screen.</li> <li>Step 2; basic cost condition and finance condition can be identified on this screen. Data can be input manually one by one. If it is done, click [next step] button to continue to Step-3</li> <li>Step-3; if maintenance type selected is other than non-maintenance, cost maintenance can be identified by input manually. Total Maintenance Cost will be calculated automatically. If it is done, click [next step] button to continue to Step-4 screen.</li> <li>Step-4, on this screen insurance data should be identified by input manually. Total insurance fee will be calculated automatically. If it is done, click [next step] button to continue to last screen.</li> <li>On the Step-5, this screen is final step, after fill out</li> </ol> </li> </ul>

### Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetya	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 32 of 90

			<p>the calculation fields on the Step-1 to Step-4, the calculation result will be displayed can calculated automatically.</p> <ul style="list-style-type: none"> <li>• The mandatory fields cannot be blank.</li> <li>• If done, actor can click [Back] button to return to the list of operating lease calculation, then calculation data will be displayed.</li> </ul>
4.	Save calculation of operating lease as draft	Marketing user, Marketing super user	<ul style="list-style-type: none"> <li>• After filling out the fields on the Step-1, actor can click [save as draft] button, if want to make a records as <b><u>draft</u></b>. After that inputting data process can be continued to another screen.</li> <li>• Once [save as draft] button clicking, system will proceed to store a data into database and will automatically check a validity of data (such as; data type, mandatory data, and data length)</li> <li>• If done, actor can click [Back] button to return to the list of Refinance calculation, then calculation data will be displayed.</li> </ul>
5	Submit calculation of operating lease	Marketing user, Marketing super user	<ul style="list-style-type: none"> <li>• Once data is saved and data has been confirmed, actor can submit the record by clicking [Submit] button.</li> <li>• After that system will set a calculation record as <b><u>submitted (or not draft)</u></b>.</li> <li>• If done, actor can click [Back] button to return to the list of operating lease calculation, then calculation data will be displayed.</li> </ul>
6.	Update calculation of operating lease	Marketing user, Marketing super user	<ul style="list-style-type: none"> <li>• On the calculation of Refinance screen actor can click [Edit] button to update the calculation record by editing data on the edit calculation screen.</li> <li>• If there werecalculation still draft, <i>marketing user</i> can click [edit] button on the right side of the records on the list of operating lease calculation.</li> <li>• If there were calculation record already submits and the status is <b><u>valid</u></b>, <i>marketing user</i> cannot click [edit] button to open edit calculation screen.</li> <li>• If edit calculation screen opens, actor can edit a record by inputting a data on each of the fields.</li> <li>• The mandatory fields cannot be blank.</li> </ul>
7.	Filter and sort calculation of operating lease	Marketing user, Marketing super user	<ul style="list-style-type: none"> <li>• Actor can filter and sort the calculation record based on columns where displayed on the list of operating lease calculation.</li> <li>• To filter calculation records, actor can enter keywords into the filter fields. If matched data founds, the filtered</li> </ul>

### Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetya	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 33 of 90

			<p>result will be displayed on list. If doesn't the list of operating lease calculation will be empty.</p> <ul style="list-style-type: none"> <li>To sort calculation records, actor can click header of column on the list table. After that the records will be sorted by ascending or descending, alternately.</li> <li>Upon select [record number filter]drop down list, actor can select a record number to display on the list of operating lease calculation. At least only one item can be selected.</li> </ul>
8.	View detail calculation of operating lease	Marketing user, Marketing super user	<ul style="list-style-type: none"> <li>On the calculation screen actor can open view detail calculation screen to inspect a data.</li> <li>On the list of Refinance calculation screen, actor can click [view detail] button, after that system will display a screen of calculation detail.</li> <li>On this screen, actor cannot do anything to edit of data. Only viewing calculation record.</li> <li>There are2 conditions when calculation detail screen opens:           <ol style="list-style-type: none"> <li>If calculation status is still <b>draft</b>or already <b>valid</b>, [validate] button and [set to draft] button will be disappeared.</li> <li>If calculation status was already <b>submitted</b>, [validate] button and [set to draft] button will be shown.</li> </ol> </li> <li>If done, actor can click [Back] button to return to the list of operating lease calculation, then calculation data will be displayed.</li> </ul>
9	Set to draft of operating lease calculation	Marketing super user	<ul style="list-style-type: none"> <li>To utilize this feature;If calculation still need to revise and status still not valid yet, actor can change the calculation status from <b>submitted</b> to <b>draft</b>.</li> <li>To do this process, actor should open calculation detail screen by clicking [view detail] button in the list of operating lease calculation screen. Once calculation detail screen opens, actor can change the status of calculation by clicking [set to draft] button. After that, system will proceed automatically to change the status on database.</li> <li>If done, actor can click [Back] button to return to the list of operating lease calculation, then calculation data will be displayed.</li> </ul>
10	Preview and print	Marketing	<ul style="list-style-type: none"> <li>To produce this report, actor can select the calculation</li> </ul>

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetya	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 34 of 90

	operating lease proposal	user, Marketing super user	<p>record on the list and select the report on group button by click [Print preview] button(at lease only one record can be selected). Once it clicked preview screen will be opened.</p> <ul style="list-style-type: none"> <li>Upon preview screen opens, actor can click [Print] button to print the report.</li> <li>If done, actor can click [Back] button to return to the list of operating lease calculation, then calculation data will be displayed.</li> </ul>
--	--------------------------	-------------------------------	---

### 2.3.3 Status management and roles

The figure below is describing a role matrix (including relation with Status) of actor that already identified in a function.

Role of Actor	Filter and sort	Save as draft	Save changes (draft)	Save changes (submitted)	Submit	Validate	Preview and print
Marketing super user	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Marketing user	Yes	Yes	Yes	No	Yes	No	Yes

The figure below is describing transition of Status that performed when people interact in a function. In this features, validation (validate and invalidate) process triggered on the operating lease quotation module. If the quotation already validate, so the status of calculation will be valid too, and vice versa.

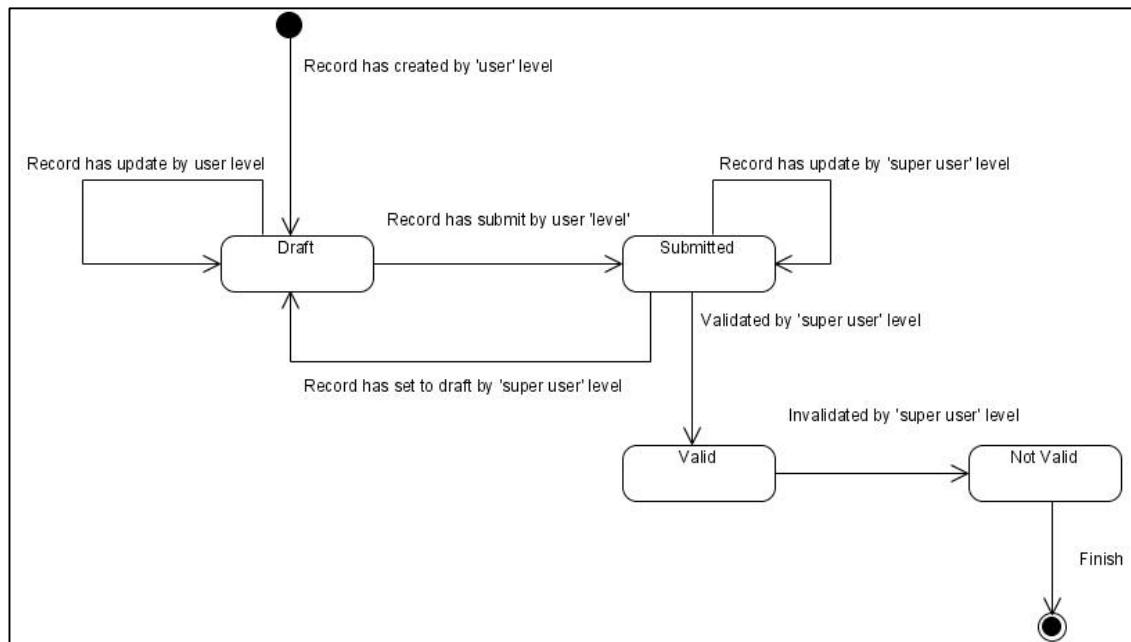


Figure 11 – Status diagram of Operating Lease Calculation

Functional Specification: A.1 Marketing Module			
Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 35 of 90

### 2.3.4 Sitemap design

Describe a web page that lists the pages on a web site to users. Usually sitemap organized in hierarchical style.

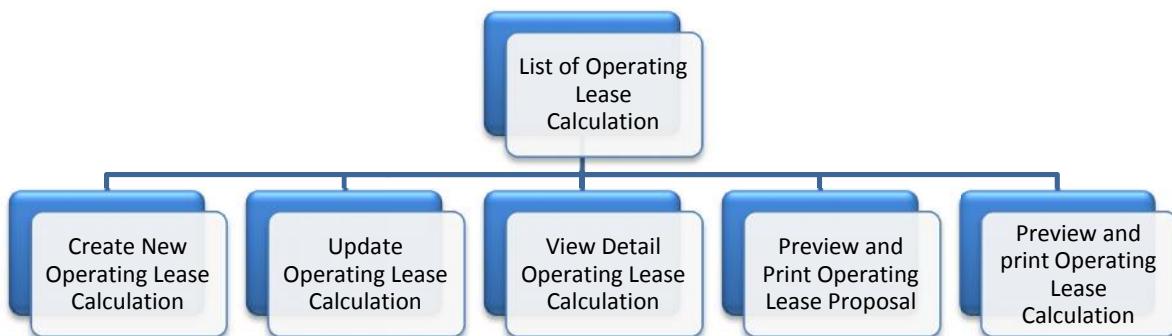


Figure 12 – Sitemap design of Operating Lease Calculation

### 2.3.5 Screen design

#### 2.3.5.1 List of operating lease calculation

This screen is designed to display a calculation of Operating Lease list. On this list actor can filter and sort a calculation records. And also, actor can open another screen to create new calculation record, update calculation record, and view detail of calculation record.

The screenshot shows a web-based application for managing operating lease calculations. The interface includes:

- Header:** "Calculation of Operating Lease"
- Create Button:** A red box highlights the "+Create" button, with a callout "To create new records".
- List Filter:** A red box highlights the "Show 10 entries" dropdown and the "Search" input field, with a callout "To filter a number of record filter" and "To filter records".
- Table Headers:** The table has columns for OPL Number, Lease Category, Product Name, Quantity, Maintenance Type, Is Insurance, Monthly Installment Fee, Interest Rate, Total Profit Amount, Status, and Action.
- Data Row:** A single row is shown with values: OPL Number CO5C4060901, Lease Category Full Maintenance, Product Name PT. Maju Jaya, Quantity 000.0007/4, Maintenance Type Mitsubishi Triton GLX SC, Is Insurance DA9365CE, Monthly Installment Fee 155,106,364, Interest Rate John Smith, Total Profit Amount John Smith, Status Submitted, and Action buttons.
- Paging and Information:** At the bottom, there is a message "Showing 1 to 1 of 1 entries", a "Data paging information" callout pointing to the table body, and a "To open paging the records" callout pointing to the "First", "Previous", "Next", and "Last" buttons.

Image10 – List of Operating Lease Calculation Screen

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 36 of 90

### 2.3.5.2 Create new calculation of operating lease

This screen is designed to create new calculation of Operating Lease record. After filling out necessary data on the screen, actor can store a data into the system by clicking the action button.

The screenshot shows the 'Create New Operating Lease Calculation Screen (Step 1)'. At the top, there are navigation buttons: 'Back' (highlighted with a red box), 'Return back to list of operating lease calculation' (highlighted with a red box), and 'To entry a calculation data' (highlighted with a red box). Below these are six step navigation buttons: Step 1, Step 2, Step 3, Step 4, Step 5, and Step 6. The status bar indicates 'Draft'.

**Basic Information (Product)**

- Product Registration Code: Product Registration Code
- Product Type: Product Type
- Product Category: Product Category
- Product Brand Code: Product Brand Code
- Product Brand Name: Product Brand Name
- Product Model Code: Product Model Code
- Product Model Name: Product Model Name
- Product Model Type: Product Model Type
- Product Model Year (yyyy/mm): Product Model Year (yyyy/mm)
- Transmission: Transmission
- Fuel Type: Fuel Type
- Displacement (cc): Displacement
- Usage: Usage
- Number Plate Color: Number Plate Color
- Monthly Mileage (Km): Monthly Mileage

**Basic Information (Lease)**

- Customer Name: Customer Name
- Term of Payment (Days): Term of Payment (Days)
- Term of Payments: Term of Payments
- Lease Period Plan (Months): Lease Period Plan (Months)
- Start Date Usage Unit Plan (mm/dd/yyyy): Start Date Usage Unit Plan (mm/dd/yyyy)
- End Date Usage Unit Plan (mm/dd/yyyy): End Date Usage Unit Plan (mm/dd/yyyy)
- Lease Period Plan (Months): Lease Period Plan (Months)
- Lease Period Plan (Months): Lease Period Plan (Months)
- Lease Period Plan (Months): Lease Period Plan (Months)

**Maintenance Type**

- Full Maintenance: Full Maintenance
- Yes: Yes
- Purchase Requirement After Lease: Purchase Requirement After Lease

**Carrosserie Type**

- Carrosserie Type: Carrosserie Type
- Rp: Rp
- Carrosserie: Carrosserie

**Accessories Type**

- Accessories Type: Accessories Type
- Rp: Rp
- Accessories: Accessories

**Action Buttons**

- Save as Draft
- Next Step > (highlighted with a red box)
- To save and navigate the calculation data (highlighted with a red box)

Image11 – Screen of Create New Operating Lease Calculation Screen (Step 1)

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 37 of 90

Draft

[Back](#)      [Return back to list of operating lease calculation](#)      [To entry a calculation data](#)

Step 1	Step 2	Step 3	Step 4	Step 5	Step 6
<span style="color: red;">!</span> Created by Abdul Somad Zaini	<span style="color: red;">!</span> Created Date 01/01/2014	<span style="color: red;">!</span> Last Modified By Abdul Somad Zaini	<span style="color: red;">!</span> Last Modified Date 01/01/2014		
<b>Cost Condition</b>					
Product Price <input type="button" value="Rp"/> Product Price	Dealer Discount <input type="button" value="Rp"/> Dealer Discount	ATPM Discount <input type="button" value="Rp"/> ATPM Discount	Product Price Total <input type="button" value="Rp"/> Product Price Total		
Accessories Price <input type="button" value="Rp"/> Accessories Price	Supplier Discount <input type="button" value="Rp"/> Supplier Discount		Accessories Price Total <input type="button" value="Rp"/> Accessories Price Total		
Carrosserie Price <input type="button" value="Rp"/> Carrosserie Price	Supplier Discount <input type="button" value="Rp"/> Supplier Discount		Carrosserie Price Total <input type="button" value="Rp"/> Carrosserie Price Total		
Residual Value Amount <input type="button" value="Rp"/> Residual Value Amount	Residual Value (%) <input type="button" value="Rp"/> Residual Value (%)	Standard Residual Value (%) <input type="button" value="Rp"/> Standard Residual Value (%)	Standard Residual Value Amount <input type="button" value="Rp"/> Standard Residual Value Amount		
<b>Finance Condition</b>					
Payment type <input type="button" value="In Arrear"/>					
Borrowing Rate Effective (%) <input type="button" value="10.76000"/>	Spread Effective (%) <input type="button" value="5.00000"/>	Prime Rate Effective (%) <input type="button" value="15.76000"/>	Borrowing Rate Flat (%) <input type="button" value="5.671651"/>	Prime Rate Flat (%) <input type="button" value="8.381017"/>	Spread Flat (%) <input type="button" value="2.668086"/>
Administration Fee <input type="button" value="Rp"/> 2.000.000	Replacement Unit Cost (monthly) <input type="button" value="Rp"/> 0	Mobilizations Fee <input type="button" value="Rp"/> 0	Demobilizations Fee <input type="button" value="Rp"/> 0	Term of Payment (Days) <input type="button" value="14"/>	
<b>Product</b>					
DP Before BAST (%) <input type="button" value="Down Payment of Product Before BAST"/>	DP Period to BAST (Days) <input type="button" value="Time Number of Down Payment of Product to BA"/>	Payment Settlement before BAST (%) <input type="button" value="Payment Settlement of Product before BAST"/>	Payment Settlement Period to BAST (Days) <input type="button" value="Payment Settlement Period to BAST (Days)"/>		
<b>Carrosserie</b>					
DP Before BAST (%) <input type="button" value="DP Before BAST"/>	DP Period to BAST (Day) <input type="button" value="DP Period to BAST (Day)"/>	Payment Settlement Before BAST <input type="button" value="Payment Settlement Before BAST"/>	Payment Settlement Period to BAST (Days) <input type="button" value="Payment Settlement Period to BAST (Days)"/>		
<b>Accessories</b>					
DP Before BAST (%) <input type="button" value="DP Before BAST (%)"/>	DP Period to BAST (Days) <input type="button" value="DP Period to BAST (Days)"/>	Payment Settlement Before BAST <input type="button" value="Payment Settlement Before BAST Accessories"/>	Payment Settlement Period to BAST (Days) <input type="button" value="Payment Settlement Period to BAST (Days)"/>		
<b>Registration Fee</b>					
Registration Value Rate (%) <input type="button" value="Rate of Registration Value"/>	Registration Value Amount <input type="button" value="Rp"/> Amount of Registration Value				
<input type="button" value="Previous Step"/> <input type="button" value="Save Changes"/> <input type="button" value="Next Step"/> <a href="#">To save and navigate the calculation data</a>					

Image12 – Screen of Create New Operating Lease Calculation Screen (Step 2)

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 38 of 90

Return back to list of operating lease calculation

To entry a calculation data

Maintenance Basic Information

Brand Code	Brand Name	Model Name
Product Type	Product Category	Model Year (yyyy/mm)
Monthly Mileage (Km)	Usage	Lease Period (Months)
Monthly Mileage	City	Lease Period (Months)

Maintenance Condition & Cost

Maintenance Type	Full Maintenance						
Periodic Maintenance	Km	Oil Exchange	Km	Exchange of Oil and Fats	Remarks	Rp	Amount
Irregular Maintenance	Remarks	Rp	Amount				
Battery	Exchange Cycle	Km	Rp	Amount			
Tire	Exchange Cycle	Km	Rp	Amount			
Maintenance of Special OP Parts	Remarks	Rp	Amount				
CSD	Remarks	Rp	Amount				
Maintenance of Others (1)	Remarks	Rp	Amount				
Maintenance of Others (2)	Remarks	Rp	Amount				
Maintenance of Others (3)	Remarks	Rp	Amount				

Total Maintenance Cost

Rp	Total
----	-------

Previous Step Save Changes Next Step >

To save and navigate the calculation data

Image13 – Screen of Create New Operating Lease Calculation Screen (Step 3)

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 39 of 90

Return back to list of operating lease calculation

To entry a calculation data

Step 1 Step 2 Step 3 Step 4 Step 5 Step 6

Created by Abdul Somad Zaini Created Date 01/01/2014 Last Modified By Abdul Somad Zaini Last Modified Date 01/01/2014

**Insurance Basic Information**

Start Date of Insurance (mm/dd/yyyy) 02/01/2015	End Date of Insurance (mm/dd/yyyy) 03/02/2019	Coverage Period (Months) 49
Insurance Company Tokio Marine	Insurance Agent No Agent	Insurance of Payment Cycle Yearly
Class of Insurance ALL RIS<++	Commission Rate (%) 25.000000	Seat Capacity 2
Remarks Remarks		

**Product**

Model Name	Product Type	Product Category	Model Year (yyyy/mm)
Model Name	Product Type	Product Category	Model Year (yyyy/mm)

**Insurance Condition & Cost**

Basic Premium	Description	Basic Rate (%)	Rp	Gross Premium
Third Party Liability (TPL)	Comprehensive	Basic Rate (%)	Rp	Gross Premium
Property Lost Liability (PPL)	Comprehensive	Basic Rate (%)	Rp	Gross Premium
Personal Accident for Passenger (PAP)	Comprehensive	Basic Rate (%)	Rp	Gross Premium
Personal Accident for Driver (PAD)	Comprehensive	Basic Rate (%)	Rp	Gross Premium
Strike, Riots & Civil Commotion (SRCC)	Comprehensive	Basic Rate (%)	Rp	Gross Premium
Terrorism & Sabotage (TS)	Comprehensive	Basic Rate (%)	Rp	Gross Premium
Flood & Windstorm (FLD)	Comprehensive	Basic Rate (%)	Rp	Gross Premium
Earthquake & Tsunami (EAQ)	Comprehensive	Basic Rate (%)	Rp	Gross Premium
Authorized Workshop	Comprehensive	Basic Rate (%)	Rp	Gross Premium

Total Gross Premium  
Rp Gross Premium

Commission Amount  
Rp Commission Amount

Mediator Fee Amount  
Rp Mediator Fee Amount

Net Premium  
Rp Net Premium

◀ Previous Step Save Changes Next Step ▶

To save and navigate the calculation data

Image14 – Screen of Create New Operating Lease Calculation Screen (Step 4)

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 40 of 90

The screenshot displays the 'Create New Operating Lease Calculation' screen. At the top, there are navigation links: 'Back' (with a red arrow pointing to it), 'Return back to list of operating lease calculation' (with a red box around it), and 'To entry a calculation data' (with a red box around it). Below these are tabs for Step 1 through Step 6. The main area contains several sections:

- Basic Information (Lease Fee):** Fields include Start Date (02/01/2015), End Date (01/21/2019), Lease Period Plan (Months) (48), Admin Fee Amount (0), Insurance Income (0), and Security Deposit Amount (Rp 0).
- Setting Monthly Installment:** Fields include Ratio (0), Borrowing Rate (%) (0), Spread of Interest Rate (%) (0), and Internal Interest Rate (%) (0).
- Confirmation of Lease Cost:** A large section listing various costs with their respective amounts in Rp and Rp (e.g., Product Price, Residual Value, Registration Value Amount, Maintenance Cost, Replacement Unit Cost, Insurance Cost, Mediator Fee Cost, Mobilization Cost, Demobilization Cost, Interest Cost, Interest Cost for Term of Payment, Interest Cost Payment Before BAST, Total Cost, Monthly Installment Amount, Total Income, Total Income After Lessee Cost).
- Profit Result:** Summary table showing Total Installment (Rp 900,000,000), Insurance Income (Rp 11,024,415), Total Income (Rp 911,904,415), and Total Income After Lessee Cost (Rp 127,715,444).
- Bottom Buttons:** 'Previous Step' (with a red arrow pointing to it), 'Save Changes' (highlighted in blue), 'Submit' (highlighted in purple), and 'To save and navigate the calculation data' (with a red box around it).

Image15 – Screen of Create New Operating Lease Calculation Screen (Step 5)

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 41 of 90

### 2.3.5.3 Update calculation of operating lease

This screen is designed to update calculation of Operating Lease. After changing some data on the screen, actor can store a data into the system by clicking the action button.

The screenshot shows a web-based form for updating operating lease calculations. At the top, there are navigation links: 'Back' (highlighted with a red box), 'Return back to list of operating lease calculation' (highlighted with a red box), and 'To entry a calculation data' (highlighted with a red box). Below these are six step buttons labeled Step 1 through Step 6. Further down are sections for 'Basic Information (Product)' and 'Basic Information (Lease)'. The 'Lease' section contains fields for Lease Category (set to 'New'), Previous Agreement Number, Term of Payment (days), Term of Payments, Start Date Usage Unit Plan, Lease Period Plan (Months), End Date Usage Unit Plan, Maintenance Type (Customer Service Desk), Insurance (Yes), Purchase Requirement (After Lease), Carroserie Type (Dump Truck), Carroserie, Accessories Type, and Accessories. At the bottom, there are two buttons: 'Save Changes' (highlighted with a red box) and 'Next Step >' (highlighted with a red box), with the annotation 'To save and navigate the calculation data' (highlighted with a red box).

Image16 – Screen of Update Operating Lease Calculation screen (Step 1)

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 42 of 90

Draft

◀ Back
Return back to list of operating lease calculation
To entry a calculation data

1 Step 1
2 Step 2
3 Step 3
4 Step 4
5 Step 5
6 Step 6

Created by	Abdul Somad Zaini	Created Date	01/01/2014	Last Modified by	Abdul Somad Zaini	Last Modified Date	01/01/2014				
<b>Cost Condition</b>											
Product Price	Rp 790,000,000	Dealer Discount	Rp 55,000,000	ATPM Discount	Rp	ATPM Discount	Rp 725,000,000				
Accessories Price	Rp Accessories Price	Supplier Discount	Rp Supplier Discount				Accessories Price Total Rp 0				
Carrosorie Price	Rp 124,000,000	Supplier Discount	Rp Supplier Discount				Carrosorie Price Total Rp 124,000,000				
Residual Value Amount	Rp 274,200,000	Residual Value (%)	32.290820	Standard Residual Value (%)	30.000000	Standard Residual Value Amount	Rp 274,200,000				
<b>DSF Finance Condition</b>											
Payment Type	In Arrear	Spread Effective (%)	5.000000	Prime Rate Effective (%)	11.160000	Borrowing Rate Flat (%)	6.107951	Prime Rate Flat (%)	9.107711	Spread Flat (%)	2.635152
Administration Fee	Rp 2,000,000	Replacement Unit Cost (monthly)	Rp Replacement Car AI	Mobilizations Fee	Rp	Demobilizations Fee	Rp	Term of Payment (Days)	14		
<b>Product</b>											
DP Before BAST (%)	30.000000	DP Period to BAST (Days)	30	Payment Settlement before BAST (%)	70.000000	Payment Settlement Period to BAST (Days)	14				
<b>Car Under</b>											
DP Before BAST (%)	30.000000	DP Period to BAST (Day)	30	Payment Settlement Before BAST (%)	70.000000	Payment Settlement Period to BAST (Days)	14				
<b>Accessories</b>											
DP Before BAST (%)	30.000000	DP Period to BAST (Days)	30	Payment Settlement Before BAST (%)	70.000000	Payment Settlement Period to BAST (Days)	14				
<b>Registration Fee</b>											
Registration Value Rate (%)	0.1400	Registration Value Amount	Rp 57,052,800								

◀ Previous Step
Save Changes
Next Step ➤
To save and navigate the calculation data

Image17 – Screen of Update Operating Lease Calculation screen (Step 2)

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 43 of 90

Draft

[Back](#)
Return back to list of operating lease calculation
To entry a calculation data

1 Step 1
2 Step 2
3 Step 3
4 Step 4
5 Step 5
6 Step 6

Created by	Abdul Somad Zaini	Created Date	01/01/2014	Last Modified By	Abdul Somad Zaini	Last Modified Date	01/01/2014
<b>Maintenance Basic Information</b>							
Brand Code	Brand Name	Model Name					
<input type="text"/>	<input type="text"/>	<input type="text"/>					
Product Type	Product Category	Model Year (yyyy/mm)					
<input type="text"/>	<input type="text"/>	<input type="text"/>					
Monthly Mileage (Km)	Usage	Lease Period (Months)					
<input type="text"/>	<input type="text"/>	<input type="text"/>					
<b>Maintenance Condition &amp; Cost</b>							
Maintenance Type							
<input checked="" type="checkbox"/> Full Maintenance							
<input checked="" type="checkbox"/> Periodic Maintenance <input checked="" type="checkbox"/> Oil Exchange <input checked="" type="checkbox"/> Exchange of Oil and Fats							
5000	Km	2000	Km	Hello	Rp	6000	
<input checked="" type="checkbox"/> Irregular Maintenance							
<input checked="" type="checkbox"/> Battery							
6000	Km			Rp	9000		
<input checked="" type="checkbox"/> Tire							
6000	Km			Rp	9100		
<input checked="" type="checkbox"/> Maintenance of Special OP Parts							
<input checked="" type="checkbox"/> CSD							
<input checked="" type="checkbox"/> Maintenance of Others (1)							
<input checked="" type="checkbox"/> Maintenance of Others (2)							
<input checked="" type="checkbox"/> Maintenance of Others (3)							
<b>Total Maintenance Cost</b>							
Rp 20000000							
<a href="#"> Previous Step</a> <span style="border: 1px solid #0070C0; color: #0070C0; padding: 2px 5px;">Save Changes</span> <span style="border: 1px solid #0070C0; color: #0070C0; padding: 2px 5px;">Next Step &gt;</span> <span style="border: 1px solid red; padding: 2px;">To save and navigate the calculation data</span>							

Image18 – Screen of Update Operating Lease Calculation screen (Step 3)

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 44 of 90

Draft

[◀ Back](#)
Return back to list of operating lease calculation
To entry a calculation data

Step 1 Step 2 Step 3 Step 4 Step 5 Step 6

Created by	Abdul Somad Zaini	Created Date	01/01/2014	Last Modified By	Abdul Somad Zaini	Last Modified Date	01/01/2014
<b>Insurance Basic Information</b>							
Start Date of Insurance (mm/dd/yyyy)	02/01/2015	End Date of Insurance (mm/dd/yyyy)	03/03/2019	Coverage Period (Months)	49		
Insurance Company	Tokio Marine	Insurance Agent	No Agent:	Insurance of Payment Cycle	Yearly	Region	
Class of Insurance	ALL RISK +++	Commission Rate (%)	25.00000	Seat Capacity	2		
Remarks							
Remarks:							
<b>Product</b>							
Model Name	Model Name:	Product Type	Product Type:	Product Category	Product Category:	Model Year (yyyy/mm)	Model Year (yyyy/mm):
<b>Insurance Condition &amp; Cost</b>							
Basic Premium	5000.000	5		Rp	25.000.000		
Third Party Liability (TPL)	5000.000	5		Rp	25.000.000		
Property Lost Liability (PPL)	5000.000	5		Rp	25.000.000		
Personal Accident for Passenger (PAP)	5000.000	5		Rp	25.000.000		
Personal Accident for Driver (PAD)	5000.000	5		Rp	25.000.000		
Strike, Riots & Civil Commotion (SRCC)	5000.000	5		Rp	25.000.000		
Terrorism & Sabotage (TS)	5000.000	5		Rp	25.000.000		
Flood & Windstorm (FLD)	5000.000	5		Rp	25.000.000		
Earthquake & Tsunami (EAQ)	5000.000	5		Rp	25.000.000		
Authorized Workshop	5000.000	5		Rp	25.000.000		
Total Gross Premium				Rp	25.000.000		
Commission Amount				Rp	25.000.000		
Mediator Fee Amount				Rp	25.000.000		
Net Premium				Rp	25.000.000		

[◀ Previous Step](#)
[Save Changes](#)
[Next Step ➔](#)
To save and navigate the calculation data

Image19 – Screen of Update Operating Lease Calculation screen (Step 4)

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 45 of 90

The screenshot displays the 'Update Operating Lease Calculation' screen (Step 5) of the Operating Lease Support System. The interface is divided into several sections:

- Top Navigation:** Shows Step 1 through Step 6. Step 5 is highlighted.
- User Information:** Created by Abdul Somad Zaini, Created Date 01/01/2014, Last Modified By Abdul Somad Zaini, Last Modified Date 01/01/2014.
- Basic Information (Lease Fee):** Includes fields for Start Date Usage Unit Plan (03/01/2015), End Date Usage Unit Plan (02/20/2019), Lease Period Plan (Months) 43, Rate Insurance Income 0.000000, Admin Fee Amount 2,000,000, Interest Income 0, BAST Handover Schedule (03/01/2015), Security Deposit Payment Nu, Security Deposit Amount 0, First Lease Payment (Days) 0, Total Unit Quantity Lease 4, and Special Case (Remarks).
- Setting Monthly Installment:** Shows Ratio 1.200000, Borrowing Rate (%) 11.160000, Spread of Interest Rate (%) 5.000000, and Internal Interest Rate (%) 15.800000.
- Confirmation of Lease Cost:** A large table listing various costs in Rupiah (Rp):
 

Cost Type	Value (Rp)	Unit	Value (Rp)	Unit
Product Price	702,000,000	1	702,000,000	1
Residual Value ( )	210,000,000	1	210,000,000	1
Registration Value Amount	47,174,410	1	47,174,410	1
Maintenance Cost	24,000,000	1	24,000,000	1
Replacement Unit Cost	0	1	0	1
Insurance Cost	44,097,859	1	44,097,859	1
Mediator Fee Cost	11,024,415	1	11,024,415	1
Mobilization Cost	0	1	0	1
Demobilization Cost	0	1	0	1
Interest Cost	184,068,638	1	184,068,638	1
Interest Cost for Term of Payment	1,603,052	1	1,603,052	1
Interest Cost Payment Before BAST	0	1	0	1
Total Cost	704,280,571	1	704,280,571	1
Monthly Installment Amount	18,770,000	1	18,770,000	1
Profit Result				
Total Installment	200,960,000	1	200,960,000	1
Insurance Income	11,024,415	1	11,024,415	1
Total Income	111,044,415	1	111,044,415	1
Total Income After Lease Cost	127,716,444	1	127,716,444	1
- Action Buttons:** < Previous Step, Save Changes, Submit, To save and navigate the calculation data.

Image20 – Screen of Update Operating Lease Calculation screen (Step 5)

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 46 of 90

### 2.3.5.4 View detail calculation of operating lease

This screen is designed to view detail a calculation of Operating Lease. On this screen actor can change status of a Refinance calculation by clicking action button.

The screenshot shows a web-based application interface for viewing operating lease calculations. At the top, there's a navigation bar with a 'Back' link, a 'Return back to list of operating lease calculation' link, and a 'Draft' status indicator. Below the navigation is a horizontal step navigation bar with numbered steps from 1 to 6. The main content area is divided into sections for 'Basic Information (Product)' and 'Basic Information (Lease)'. Each section contains several data entries. At the bottom of the page are two buttons: 'Save as Draft' and 'Next Step >'. Red boxes and arrows highlight specific elements: a red box around the 'Back' link, another red box around the 'Return back to list...' link, a red box around the 'Draft' status, a red box around the 'A detailcalculation data' link, a red box around the 'Next Step >' button, and a red box around the text 'To navigate the calculation data'.

Created by	Abdul Somad Zaini	Created Date	01/01/2014	Last Modified By	Abdul Somad Zaini	Last Modified Date	01/01/2014
OPL Calculation Number	00025/OCN/01/02/2015						
<b>Basic Information (Product)</b>							
Product Registration Code	VEH/00021/V-001/FNE227MS/201301	Product Type	Vehicle	Product Category	COMMERCIAL TRUCK		
Product Brand Code	V-001	Product Brand Name	MITSUBISHI	Product Model Code	FN527MS		
Product Model Name	FUSO TRUCK E2 FN527MS	Product Model Type	FSO	Product Model Year (yyyy/mm)	2013/01		
Transmission	M852 X 5	Fuel Type	SOLAR / DIESEL	Displacement (CC)	7.545		
Usage	City	Number Plate Color	Yellow	Monthly Mileage (Km)	0		
<b>Basic Information (Lease)</b>							
Customer Name	211637						
Lease Category	New	Previous Agreement Number	Term of Payment (Days)				
Lease Period Plan (Months)	48	Start Date Usage Unit Plan (mm/dd/yyyy)	02/01/2015	End Date Usage Unit Plan (mm/dd/yyyy)	02/03/2019	Purchase Requirement After Lease	Yes
Maintenance Type	Customer Service Desk	Insurance					
Carrosserie Type	Aluminum Box	Yes					
Accessories Type	Bumper Racing	Carrosserie					
		Rp	92,000,000				
		Rp	100,000,000				
<input type="button" value="Save as Draft"/> <input type="button" value="Next Step &gt;"/> <span style="border: 1px solid red; padding: 2px;">To navigate the calculation data</span>							

Image21 – Screen of View Detail Operating Lease Calculation (Step 1)

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 47 of 90

Draft

[Back](#) [Return back to list of operating lease calculation](#) [A detailcalculation data](#)

Step 1 Step 2 Step 3 Step 4 Step 5 Step 6

Created by	Abdul Somad Zaini	Created Date	01/01/2014	Last Modified By	Abdul Somad Zaini	Last Modified Date	01/01/2014
<b>Cost Condition</b>							
Product Price	Dealer Discount	ATPM Discount	Product Price Total				
Rp. 10.000.000	Rp. 100.000	Rp. 100.000	Rp. 100.000				
Accessories Price	Supplier Discount		Accessories Price Total				
Rp. 20.000.000	Rp. 100.000		Rp. 100.000				
Carrosserie Price	Supplier Discount		Carrosserie Price Total				
Rp. 30.000.000	Rp. 100.000		Rp. 100.000				
Residual Value Amount	Residual Value (%)	Standard Residual Value (%)	Standard Residual Value Amount				
Rp. 100.000	Rp. 100.000	80%	Rp. 100.000				
 <b>Finance Condition</b>							
Spread Effective (%)	Borrowing Rate Flat (%)	Prime Rate Effective (%)	Prime Rate Flat (%)	Borrowing Rate Effective (%)	Spread Flat (%)		
70%	70%	70%	70%	70%	70%		
Administration Fee	Replacement Car Amount	Mobilizations Fee	Demobilizations Fee	Term of Payment (Days)	Payment Type		
Rp 70.000	Rp 70.000	Rp 70.000	Rp 70.000	3	Cash		
 <b>Product</b>							
DP Before BAST (%)	DP Period to BAST (Days)	Payment Settlement before BAST (%)	Payment Settlement Period to BAST (Days)				
80%	80 Days	80%	80 Days				
 <b>Carrosserie</b>							
DP Before BAST (%)	DP Period to BAST (Day)	Payment Settlement Before BAST	Payment Settlement Period to BAST (Days)				
80%	8 Days	Rp 400.000	5 Days				
 <b>Accessories</b>							
DP Before BAST (%)	DP Period to BAST (Days)	Payment Settlement Before BAST	Payment Settlement Period to BAST (Days)				
5%	58 Days	59.000	59 Days				
 <b>Registration Fee</b>							
Registration Value Rate (%)	Registration Value Amount:						
0.14	Rp 0	Rp 0.000.000					

[Previous Step](#) [Save Changes](#) [Next Step >](#) [To navigate the calculation data](#)

Image22 – Screen of View Detail Operating Lease Calculation (Step 2)

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 48 of 90

Return back to list of operating lease calculation

A detailcalculation data

Step 1 Step 2 Step 3 Step 4 Step 5 Step 6

Created by Abdul Somad Zaini Created Date 01/01/2014 Last Modified By Abdul Somad Zaini Last Modified Date 01/01/2014

Maintenance Basic Information

Brand Code	Brand Name	Model Name
Brand Code	Brand Name	Model Name
Product Type	Product Category	Model Year (yyyy/mm)
Product Type	Product Category	Model Year (yyyy/mm)
Monthly Mileage (Km)	Usage	Lease Period (Months)
Monthly Mileage (Km)	Usage	Lease Period (Months)

Maintenance Condition & Cost

Maintenance Type			
Maintenance Type			
<input type="checkbox"/> Periodic Maintenance	<input type="checkbox"/> Oil Exchange	<input type="checkbox"/> Exchange of Oil and Fats	
Periodic Maintenance	Remarks	Remarks	Rp 10.000.000
<input type="checkbox"/> Irregular Maintenance			
Remarks			Rp. 100.000
<input type="checkbox"/> Battery			
Remarks			Rp. 50.000.000
<input type="checkbox"/> Tire			
5000 Km			Rp 50.000.000
<input type="checkbox"/> Maintenance of Special OP Parts			
Remarks			Rp 10.000.000
<input type="checkbox"/> CSD			
Remarks			Rp. 40.000.000
<input type="checkbox"/> Maintenance of Others (1)			
Remarks			Rp. 40.000.000
<input type="checkbox"/> Maintenance of Others (2)			
Remarks			Rp. 40.000.000
<input type="checkbox"/> Maintenance of Others (3)			
Remarks			Rp. 40.000.000
		Total Maintenance Cost	
			Rp. 40.000.000

Previous Step Save Changes Next Step

To navigate the calculation data

Image23 – Screen of View Detail Operating Lease Calculation (Step 3)

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 49 of 90

Draft

[Back](#) Return back to list of operating lease calculation A detailcalculation data

**Step 1 Step 2 Step 3 Step 4 Step 5 Step 6**

Created by	Abdul Somad Zaini	Created Date	01/01/2014	Last Modified by	Abdul Somad Zaini	Last Modified Date	01/01/2014
<b>Insurance Basic Information</b>							
Start Date Usage Unit Plan (mm/dd/yyyy)	End Date Usage Unit Plan (mm/dd/yyyy)	Coverage Period (Months)					
01/01/2015	01/03/2019	49					
Insurance Company	Insurance Agent	Insurance of Payment Cycle		Region			
Tokio Marine	No Agent	Yearly		Region 2			
Class of Insurance	Commission Rate (%)	Seat Capacity					
ALL RISK +++	25.00	2					
Remarks	-						
<b>Product</b>							
Model Name	Product Type	Product Category	Model Year (yyyy/mm)		Model Year (yyyy/mm)		
Model Name	Product Type	Product Category	Model Year (yyyy/mm)		Model Year (yyyy/mm)		
<b>Insurance Condition &amp; Cost</b>							
Basic Premium	849000000.00	1.33	Rp	52,900,289			
Third Party Liability (TPL)	50000000.00	1.13	Rp	2,297,774			
Property Lost Liability (PPL)	0	0	Rp	0			
Personal Accident for Passenger (PAP)	2000000.00	0.10	Rp	245,095			
Personal Accident for Driver (PAD)	2000000.00	0.50	Rp	408,493			
Strike, Riots & Civil Commotion (SRCC)	849000000.00	0.05	Rp	1,403,069			
Terrorism & Sabotage (TS)	849000000.00	0.05	Rp	1,403,060			
Flood & Windstorm (FLD)	849000000.00	0.10	Rp	2,805,119			
Earthquake & Tsunami (EAQ)	849000000.00	0.10	Rp	2,805,119			
Authorized Workshop	849000000.00	0.15	Rp	4,209,179			
Total Gross Premium	Rp	52,900,289					
Commission Amount	Rp	13,225,072					
Broker Fee Amount	Rp	13,225,072					
Net Premium	Rp	30,475,217					
<a href="#">Previous Step</a> <span style="background-color: #007bff; color: white; padding: 2px 10px;">Save Changes</span> <a href="#">Next Step &gt;</a>	To navigate the calculation data						

Image24 – Screen of View Detail Operating Lease Calculation (Step 4)

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 50 of 90

Draft

[Back](#) [Return back to list of operating lease calculation](#) [A detailcalculation data](#)

Step 1 Step 2 Step 3 Step 4 Step 5 Step 6

Created by	Abdul Somad Zaini	Created Date	01/01/2014	Last Modified By	Abdul Somad Zaini	Last Modified Date	01/01/2014
<b>Basic Information (Lease Fee)</b>							
Start Date Usage Unit Plan (mm/dd/yyyy)	01/01/2015	End Date Usage Unit Plan (mm/dd/yyyy)	01/28/2019	Lease Period Plan (Months)	48		
Rate Insurance Income	0.00	Admin Fee Amount	2,000,000	Interest Income	0		
BAST Handover Schedule (mm/dd/yyyy)		Security Deposit Payment		Security Deposit Amount			
First Lease Payment (Days)	0	Total Unit Quantity Lease	2	Special Case (Remarks)			
<b>Setting Monthly installment</b>							
Ratio	1.20	Borrowing Rate (%)	11.16	Spread of Interest Rate (%)	5.00	Internal Interest Rate (%)	15.16
<b>Confirmation of Lease Cost</b>							
Product Price	Rp 102,000,000			1	Rp	602,100,000	
Residual Value ()	Rp 210,000,000			1	Rp	210,000,000	
Registration Value Amount	Rp 47,174,400			1	Rp	47,174,400	
Maintenance Cost	Rp 24,000,000			1	Rp	24,000,000	
Replacement Unit Cost	Rp 0			1	Rp	0	
Insurance Cost	Rp 44,084,000			1	Rp	44,084,000	
Mediator Fee Cost	Rp 11,021,410			1	Rp	11,021,410	
Mobilization Cost	Rp 0			1	Rp	0	
Demobilization Cost	Rp 0			1	Rp	0	
Interest Cost	Rp 164,960,636			1	Rp	164,960,636	
Interest Cost for Term of Payment	Rp 1,803,880			1	Rp	1,803,880	
Interest Cost Payment Before BAST	Rp 0			1	Rp	0	
Total Cost	Rp 704,260,571			1	Rp	704,260,571	
<b>Profit &amp; Profitability</b>							
Monthly Installment Amount	Rp 18,770,000			1	Rp	18,770,000	
Total Installment	Rp 900,180,000			1	Rp	900,180,000	
Insurance Income	Rp 11,024,410			1	Rp	11,024,410	
Total Income	Rp 911,184,410			1	Rp	911,184,410	
Total Profit After Lease Cost	Rp 127,15,444			1	Rp	127,15,444	

[Previous Step](#) [Save Changes](#) [Submit](#) [To navigate the calculation data](#)

Image25 – Screen of View Detail Operating Lease Calculation (Step 5)

### Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 51 of 90

#### 2.3.5.5 Preview and print operating lease calculation

This screen is designed to view detail a calculation of Operating Lease. On this screen actor can change status of a Refinance calculation by clicking action button.

Operating Lease Calculation Attachment						
GPI Calculation Number : 00027/OCN/01/02/2015						
(1) Product Price						
A) Product Data		B) Product Carroserie		C) Accessories Data		
Product Name	MITSUBISHI	Carroserie Type	Accessories Type			
Product Model	COLT T120SS E-2 PICK UP FLAT DECK 1.5					
Product Price	Rp 0	Carroserie Price	Rp 0	Accessories Price	Rp 0	0
Dealer Discount	Rp 0	Supplier Discount (Carroserie)	Rp 0	Supplier Discount (Accessories)	Rp 0	0
ATM Discount	Rp 0					
Total Product Price	Rp 0	Total Carroserie Price	Rp 0	Total Accessories Price	Rp 0	0
(2) Financial Condition						
A) Borrowing Rate(%)	B) Spread(%)	0.00	C) Prime Rate(%)			
(3) Term and Condition for Transaction						
Monthly Installment Amount			Rp 0			0
Installment Amount(Period)			Rp 0			0
(4) Income Projection						
Total Income	Rp 0					
Total Installment	Rp 0					
Adm. Fee Income	Rp 0					
Insurance Income	Rp 0					
Overhead Fee						
Product Price	Rp 0					
Residual Value (-)	Rp 0					
Registration Value Amount	Rp 0					
Total Maintenance Amount	Rp 0					
Replacement Unit Cost	Rp 0					
Insurance Cost	Rp 0					
Mediator Fee	Rp 0					
Mobilization Cost	Rp 0					
Demobilization Cost	Rp 0					
Interest Cost	Rp 0					
Term of Payment Cost	Rp 0					
Interest Cost Payment Before BAST	Rp 0					
Total Overhead Cost	Rp 0					
Income After Overhead Cost	Rp 0					

Image26 – Screen of Operating Lease Calculation Report

### Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 52 of 90

#### 2.3.5.6 Preview and print operating lease proposal

This screen is designed to view detail a calculation of Operating Lease. On this screen actor can change status of a Refinance calculation by clicking action button.

To :	-		
From :	NBD Dept. - Operating Lease Section		
Date :	01/01/0001		
No :	-		
Subject :			
Dear Sir/Madam, I would like to receive approval to submit the operating lease quotation for :			
(1) Customer Data			
Name	fsadfsadf	New or Repeat Customer	-
Business Economy Sector	Construction	Address	asfdasfa
Telephone & Fax	sadfsadfsdf		
(2) PIC Data			
Name	-	Telephone Number	-
Position	-	Email Address	-
Deadline of Quotation Submission (mm/dd/yyyy)	01/01/0001		
Product Name	MITSUBISHI		
Model Name	COLT T12055 E-2 PICK UP FLAT DECK 1.5		
Product Price	Rp. 0		
Purpose Of Use	-		
Total Unit Quantity	0		
Non or COP Program	No		
Residual Value	Rp. 0		
DSF Standard Residual Value	Rp. 0		
Maintenance Type	Full Maintenance		
Lease Period (month)	48		
Monthly Installment	Rp. 0		
Profit Amount	Rp. 0		
Installment Ratio	0		
CPL Calculation Ref:	00027/OCN/01/02/2015		
Thank you for your consideration and approval for this request.			
Proposed By:	Acknowledged By:		
* * * * *			
Approved By:			
* * * * *			

Image30 – Screen of Preview and Print Operating Lease Calculation

### Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 53 of 90

### 2.3.6 Screen features

Features	Description
[Filter and sort]	To perform data filtering and data sorting of calculation records.
[Create new]	To create new calculations by entering data on create new calculation form.
[Save as draft] or [Set to draft]	To save a calculation as a draft.
[Submit]	To submit a calculation record as a final.
[Save changes]	To update changes when editing calculation record.
[View detail]	To inspect a detail calculation records by opening a calculation detail form.
[Edit]	To update of calculation record.
[Preview and Print]	To preview and print the report.

### 2.3.7 Data structure

Field	Data Type	Data Length	Format	Mandatory	DB Mapping
<b>Basic Information (Product)</b>					
Product Registration Code	Varchar	50	N/A	Yes	OPLCalculation.ProductCode
Product Type	Nvarchar	200	N/A	Yes	ProductType.ProductType
Product Category	Varchar	100	N/A	Yes	ProductCategory.ProductCategory
Product Brand Code	Varchar	10	N/A	Yes	Product.BrandCode
Product Brand Name	Varchar	100	N/A	Yes	Product.BrandName
Product Model Code	Varchar	100	N/A	Yes	Product.ModelCode
Product Model Name	Varchar	100	N/A	Yes	Product.ModelName
Product Model Type	Varchar	100	N/A	Yes	Product.ModelType
Product Model Year	Date	N/A	mm-yyyy	Yes	Product.ModelYear
Transmission	Varchar	100	N/A	Yes	Product.Transmission
Fuel Type	Varchar	200	N/A	Yes	Product.FuelType
Displacement (cc)	Varchar	100	N/A	Yes	Product.DisPlacement
Usage	Varchar	100	N/A	No	OPLCalculation.Usage
Number Plate Color	Varchar	100	N/A	No	OPLCalculation.NumberPlateColor
Monthly Mileage	Int	N/A	N/A	No	OPLCalculation.MonthlyMileage
<b>Basic Information (Lease)</b>					
Customer Code	Varchar	10	N/A	Yes	OPLCalculation.CustomerCode

**Functional Specification: A.1 Marketing Module**

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 54 of 90

Customer Name	Varchar	200	N/A	Yes	Customer.CustomerName
Start Date Usage Unit Plan	Date	N/A	mm-dd-yyyy	Yes	OPLCalculation.StartPeriodPlan
End Date Usage Unit Plan	Date	N/A	mm-dd-yyyy	Yes	OPLCalculation.EndPeriodPlan
Lease Period Plan	Int	N/A	N/A	Yes	OPLCalculation.LeasePeriodPlan
Lease Category	Varchar	100	N/A	No	OPLCalculation.LeaseCategory
Previous Agreement Number	Varchar	100	N/A	No	OPLCalculation.ContractNumberReff
Maintenance Type	Varchar	100	N/A	No	OPLCalculation.MaintenanceType
Purchase Requirement After Lease	Bit	N/A	N/A	No	OPLCalculation.PurchaseAfterLease
Insurance	Bit	N/A	N/A	No	OPLCalculate.Insurance
Carroserie Type	Varchar	200	N/A	No	OPLCalculation.CarroserieType
Carroserie Price	Decimal	18,3	###,###,###.##	No	OPLCalculation.Carroserie
Accessories Type	Varchar	200	N/A	No	OPLCalculation.AccessoriesType
Accessories Price	Decimal	18,3	###,###,###.##	No	OPLCalculation.Accessories
<b>Cost Condition</b>					
Product Price	Decimal	18,3	###,###,###.##	No	OPLBasicCondition.ProductPrice
Dealer Discount	Decimal	18,3	###,###,###.##	No	OPLBasicCondition.ProductDiscount
ATPM Discount	Decimal	18,3	###,###,###.##	No	OPLBasicCondition.ATPMDiscount
Accessories Price	Decimal	18,3	###,###,###.##	No	OPLBasicCondition.AccessoriesPrice
Accessories Supplier Discount	Decimal	18,3	###,###,###.##	No	OPLBasicCondition.AccessoriesDiscount
Carroserie Price	Decimal	18,3	###,###,###.##	No	OPLBasicCondition.CarroseriePrice
Carroserie Supplier Discount	Decimal	18,3	###,###,###.##	No	OPLBasicCondition.CarroserieDiscount
Product Price Total	Decimal	18,3	###,###,###.##	No	OPLBasicCondition.ProductPriceTotal
Accessories Price Total	Decimal	18,3	###,###,###.##	No	OPLBasicCondition.AccessoriesPriceTotal
Carroserie Price Total	Decimal	18,3	###,###,###.##	No	OPLBasicCondition.CarroseriePriceTotal
Residual Value Amount	Decimal	18,3	###,###,###.##	No	OPLBasicCondition.ResidualValueAmount
Residual Rate Value	Decimal	18,3	###,###,###.##	No	OPLBasicCondition.ResidualValuePercent

**Functional Specification: A.1 Marketing Module**

Project	Operating Lease Support System Development				
Author	Deny Prasetia			Date	30 Juni 2015
Status	Baseline			Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page	Page	Page 55 of 90

Standard Residual Rate Value	Decimal	18,3	###,###,###.##	No	OPLBasicCondition.Sr esidualValuePercent



**DSF Finance Condition**

**Functional Specification: A.1 Marketing Module**

Project	Operating Lease Support System Development			
Author	Deny Prasetia		Date	30 Juni 2015
Status	Baseline		Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page		Page 56 of 90

DP Before BAST	Decimal	18,3	###,###,###.##	No	OPLFinanceConditio. DPBeforeBASTCarros erie
DP Period to BAST	Int	N/A	N/A	No	OPLFinanceConditio. DPPeriodBASTCarros erie
Payment Settlement Before BAST	Decimal	18,3	###,###,###.##	No	OPLFinanceConditio. PSBeforeBASTCarros erie
Payment Settlement Period to BAST	Int	N/A	N/A	No	OPLFinanceConditio. PSPeriodBASTCarros erie
<b>Accessories Finance Condition</b>					
DP Before BAST	Decimal	18,3	###,###,###.##	No	OPLFinanceConditio. DPBeforeBASTAcces ories
DP Period to BAST	Int	N/A	N/A	No	OPLFinanceConditio. DPPeriodBASTAcceso ries
Payment Settlement Before BAST	Decimal	18,3	###,###,###.##	No	OPLFinanceConditio. PSBeforeBASTAcceso ries
Payment Settlement Period to BAST	Int	N/A	N/A	No	OPLFinanceConditio. PSPeriodBASTAcceso ries
<b>Registration Fee Condition</b>					
Registration Value Rate	Decimal	18,3	###,###,###.##	No	OPLFinanceConditio. RegistrationValueRat e
Registration Value Amount	Decimal	18,3	###,###,###.##	No	OPLFinanceConditio. RegistrationValueAm ount
<b>Maintenance Condition &amp; Cost</b>					
Maintenance Type	Varchar	100	N/A	No	OPLCalculation.Maint enanceType
Periodic Maintenance	Int	N/A	N/A	No	OPLMaintenanceCon dition.PeriodicMaint enanceKm
Oil Exchange	Int	N/A	N/A	No	OPLMaintenanceCon dition.PeriodicOilExc hange
Exchange Oil & Fats	Int	N/A	N/A	No	OPLMaintenanceCon dition.PeriodicOilFats
Regular Maintenance Amount	Decimal	18,3	###,###,###.##	No	OPLMaintenanceCon dition.PeriodicMaint enanceAmount
Irregular Maintenance Remarks	Varchar	100	N/A	No	OPLMaintenanceCon dition.IrregularMaint enance
Irregular Maintenance Amount	Decimal	18,3	###,###,###.##	No	OPLMaintenanceCon dition.IrregularMaint enanceAmount

**Functional Specification: A.1 Marketing Module**

Project	Operating Lease Support System Development				
Author	Deny Prasetia	Date		30 Juni 2015	
Status	Baseline	Version		5.0	
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page		Page 57 of 90	

Battery Maintenance	Int	N/A	N/A	No	OPLMaintenanceCondition.BateryKm
Battery Maintenance Amount	Decimal	18,3	###,###,###.##	No	OPLMaintenanceCondition.BateryAmount
Tire Maintenance	Int	N/A	N/A	No	OPLMaintenanceCondition.TireKm
Tire Maintenance Amount	Decimal	18,3	###,###,###.##	No	OPLMaintenanceCondition.TireAmount
Special Parts Maintenance	Varchar	100	N/A	No	OPLMaintenanceCondition.SpecialParts
Special Parts Maintenance Amount	Decimal	18,3	###,###,###.##	No	OPLMaintenanceCondition.SpecialPartsAmount
CSD Remarks	Varchar	100	N/A	No	OPLMaintenanceCondition.CSD
CSD Amount	Decimal	18,3	###,###,###.##	No	OPLMaintenanceCondition.CSDAmount
Other Maintenance 1 Remarks	Varchar	100	N/A	No	OPLMaintenanceCondition.MaintenanceOther1
Other Maintenance 1 Amount	Decimal	18,3	###,###,###.##	No	OPLMaintenanceCondition.MaintenanceOther1Amount
Other Maintenance 2 Remarks	Varchar	100	N/A	No	OPLMaintenanceCondition.MaintenanceOther2
Other Maintenance 2 Amount	Decimal	18,3	###,###,###.##	No	OPLMaintenanceCondition.MaintenanceOther2Amount
Other Maintenance 3 Remarks	Varchar	100	N/A	No	OPLMaintenanceCondition.MaintenanceOther3
Other Maintenance 3 Amount	Decimal	18,3	###,###,###.##	No	OPLMaintenanceCondition.MaintenanceOther3Amount
Total Maintenance Cost	Decimal	18,3	###,###,###.##	No	OPLMaintenanceCondition.TotalMaintenanceAmount
<b>Insurance Basic Information</b>					
Start Date of Insurance	Date	100	mm-dd-yyyy	No	OPLCalculation.StartPeriodPlan
End Date of Insurance	Date	18,3	mm-dd-yyyy	No	*calculation result
Coverage Period	Int	N/A	N/A	No	OPLInsuranceCondition.CoveragePeriod
Insurance Company	Varchar	100	N/A	No	OPLInsuranceCondition.InsuranceCompany
Insurance Agent	Varchar	100	N/A	No	OPLInsuranceCondition.InsuranceAgent
Seat Capacity	Int	N/A	N/A	No	OPLInsuranceCondition.ProductSeatCapacity

**Functional Specification: A.1 Marketing Module**

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 58 of 90

Insurance Class	Varchar	50	N/A	No	OPLInsuranceCondition.ClassOfInsurance
Commission Rate	Decimal	18,6	###,###,###.##	No	OPLInsuranceCondition.CommissionRate
Insurance Payment Cycle	Varchar	100	N/A	No	OPLInsuranceCondition.InsurancePaymentCycle
Region	Nchar	10	N/A	No	OPLInsuranceCondition.Region
Remarks	Varchar	100	N/A	No	OPLInsuranceCondition.Remarks
<b>Insurance Condition Cost</b>					
Comprehensive Premium	Decimal	18,6	###,###,###.##	No	OPLInsuranceCondition.ComprehensiveRatePremium
Basic Premium Rate	Decimal	18,6	###,###,###.##	No	OPLInsuranceCondition.BasicRatePremium
Basic Premium Amount	Decimal	18,3	###,###,###.##	No	OPLInsuranceCondition.PremiumAmount
Comprehensive Third Party Liability (TPL)	Decimal	18,6	###,###,###.##	No	OPLInsuranceCondition.ComprehensiveRateTPL
Third Party Liability (TPL) Rate	Decimal	18,3	###,###,###.##	No	OPLInsuranceCondition.BasicRateTPL
Third Party Liability (TPL) Amount	Decimal	18,3	###,###,###.##	No	OPLInsuranceCondition.TPLAmount
Comprehensive Property Lost Liability (PLL)	Decimal	18,6	###,###,###.##	No	OPLInsuranceCondition.ComprehensiveRatePPL
Property Lost Liability (PLL) Rate	Decimal	18,3	###,###,###.##	No	OPLInsuranceCondition.BasicRatePPL
Property Lost Liability (PLL) Amount	Decimal	18,3	###,###,###.##	No	OPLInsuranceCondition.PPLAmount
Comprehensive Personal Accident for Passenger (PAP)	Decimal	18,6	###,###,###.##	No	OPLInsuranceCondition.ComprehensiveRatePAP
Personal Accident for Passenger (PAP) Rate	Decimal	18,3	###,###,###.##	No	OPLInsuranceCondition.BasicRatePAP
Personal Accident for Passenger (PAP) Amount	Decimal	18,3	###,###,###.##	No	OPLInsuranceCondition.PAPAmount
Comprehensive Personal Accident for Driver (PAD)	Decimal	18,6	###,###,###.##	No	OPLInsuranceCondition.ComprehensiveRatePAD
Personal Accident for Driver (PAD) Rate	Decimal	18,3	###,###,###.##	No	OPLMaintenanceCondition.BasicRatePAD
Personal Accident for Driver (PAD) Amount	Decimal	18,3	###,###,###.##	No	OPLMaintenanceCondition.PADAmount
Comprehensive Strike, Riots, Civil Commotions (SRCC)	Decimal	18,6	###,###,###.##	No	OPLInsuranceCondition.ComprehensiveRateSRCC

**Functional Specification: A.1 Marketing Module**

Project	Operating Lease Support System Development				
Author	Deny Prasetia			Date	30 Juni 2015
Status	Baseline			Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page	Page	Page 59 of 90

Strike, Riots, Civil Commotions (SRCC) Rate	Decimal	18,3	###,###,###.##	No	OPLInsuranceCondition.BasicRateSRCC
Strike, Riots, Civil Commotions (SRCC) Amount	Decimal	18,3	###,###,###.##	No	OPLInsuranceCondition.SRCCAmount
Comprehensive Terrorism & Sabotage (TS)	Decimal	18,6	###,###,###.##	No	OPLInsuranceCondition.ComprehensiveRateTS
Terrorism & Sabotage (TS) Rate	Decimal	18,3	###,###,###.##	No	OPLInsuranceCondition.BasicRateTS
Terrorism & Sabotage (TS) Amount	Decimal	18,3	###,###,###.##	No	OPLInsuranceCondition.TSAmount
Comprehensive Flood & Windstorm (FLD/W)	Decimal	18,6	###,###,###.##	No	OPLInsuranceCondition.ComprehensiveRateFLD
Flood & Windstorm (FLD/W) Rate	Decimal	18,3	###,###,###.##	No	OPLInsuranceCondition.BasicRateFLD
Flood & Windstorm (FLD/W) Amount	Decimal	18,3	###,###,###.##	No	OPLInsuranceCondition.FLDAmount
Comprehensive Earthquake & Tsunami (EAQ/T)	Decimal	18,6	###,###,###.##	No	OPLInsuranceCondition.ComprehensiveRateEAQ
Earthquake & Tsunami (EAQ/T) Rate	Decimal	18,3	###,###,###.##	No	OPLInsuranceCondition.BasicRateEAQ
Earthquake & Tsunami (EAQ/T) Amount	Decimal	18,3	###,###,###.##	No	OPLInsuranceCondition.EAQAmount
Comprehensive Authorized Workshop	Decimal	18,6	###,###,###.##	No	OPLInsuranceCondition.ComprehensiveRateAW
Authorized Workshop Rate	Decimal	18,3	###,###,###.##	No	OPLInsuranceCondition.BasicRateAW
Authorized Workshop Amount	Decimal	18,3	###,###,###.##	No	OPLInsuranceCondition.AWAmount
Insurance Total Gross Premium	Decimal	18,3	###,###,###.##	No	OPLInsuranceCondition.TotalGrossPremium
Insurance Net Premium	Decimal	18,3	###,###,###.##	No	OPLInsuranceCondition.NetPremium
Commission Amount	Decimal	18,3	###,###,###.##	No	OPLInsuranceCondition.ComisionAmount
Mediator Fee Amount	Decimal	18,3	###,###,###.##	No	OPLInsuranceCondition.MediatorFeeAmount
<b>Basic Information (Lease Fee)</b>					
Start Date Usage Unit Plan	Date	18,3	mm-dd-yyyy	No	OPLCalculation.StartPeriodPlan
End Date Usage Unit Plan	Date	N/A	mm-dd-yyyy	No	OPLCalculation.EndPeriodPlan
Lease Period Plan	Decimal	18,3	###,###,###.##	No	OPLCalculation.LeasePeriodPlan

**Functional Specification: A.1 Marketing Module**

Project	Operating Lease Support System Development				
Author	Deny Prasetia			Date	30 Juni 2015
Status	Baseline			Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page	Page	Page 60 of 90

Rate Insurance Income	Decimal	18,3	###,###,###.##	No	OPLInsuranceCondition.CommissionRate
Admin Fee Amount	Decimal	18,3	###,###,###.##	No	OPLFinanceCondition.AdministrationFeeAmount
Interest Income	Decimal	18,3	###,###,###.##	No	*calculation result
BAST Handover Schedule	Date	N/A	mm-dd-yyyy	No	OPLCalculation.BASTHandoverSchedule
Security Deposit Payment	Bit	N/A	N/A	No	OPLCalculation.SecurityDepositPayment
Security Deposit Amount	Decimal	18,3	###,###,###.##	No	OPLCalculation.SecurityDepositAmount
First Lease Payment	Int	N/A	###,###,###.##	No	OPLCalculation.FirstLeasePayment
Total Unit Quantity Lease	Int	N/A	N/A	No	OPLCalculation.TotalUnitQuantityLease
Special Case (Remarks)	Varchar	200	N/A	No	OPLCalculation.SpecialCaseRemarks
<b>Monthly Installment Setting</b>					
Ratio	Decimal	18,3	###,###,###.##	No	OPLCalculation.Ratio
Borrowing Rate	Decimal	18,3	###,###,###.##	No	OPLFinanceCondition.BorrowingEffectivePercent
Spread Interest Rate	Decimal	18,3	###,###,###.##	No	OPLFinanceCondition.SpreadEffectivePercent
Internal Interest Rate	Decimal	18,3	###,###,###.##	No	OPLFinanceCondition.PrimeEffectivePercent
<b>Confirmation of Lease Cost</b>					
Product Price Amount	Decimal	18,3	###,###,###.##	No	*calculation result
Residual Value Amount	Decimal	18,3	###,###,###.##	No	OPLBasicCondition.ResidualValueAmount
Registration Value Amount	Decimal	18,3	###,###,###.##	No	OPLFinanceCondition.RegistrationValueAmount
Maintenance Cost Amount	Decimal	18,3	###,###,###.##	No	OPLMaintenanceCondition.TotalMaintenanceAmount
Replacement Cost Amount	Decimal	18,3	###,###,###.##	No	OPLFinanceCondition.ReplacementCarAmount
Insurance Fee Amount	Decimal	18,3	###,###,###.##	No	OPLInsuranceCondition.TotalGrossPremium
Mediator Fee Amount	Decimal	18,3	###,###,###.##	No	OPLInsuranceCondition.MediatorFeeAmount
Mobilization Fee Amount	Decimal	18,3	###,###,###.##	No	OPLFinanceCondition.MobilizationFeeAmount

Functional Specification: A.1 Marketing Module					
Project	Operating Lease Support System Development				
Author	Deny Prasetia			Date	30 Juni 2015
Status	Baseline			Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx			Page	Page 61 of 90

Demobilization Fee Amount	Decimal	18,3	###,###,###.##	No	OPLFinanceConditio. DemobilizationFeeAmount
Interest Cost	Decimal	18,3	###,###,###.##	No	OPLCalculation.InterestExpense
Interest of Term of Payment Amount	Decimal	18,3	###,###,###.##	No	*calculation result
Interest of Payment Before BAST Amount	Decimal	18,3	###,###,###.##	No	OPLCalculation.InterestExpenseBAST
Total Cost	Decimal	18,3	###,###,###.##	No	OPLCalculation.TotalCost
Monthly Installment Standard (DSF)	Decimal	18,3	###,###,###.##	No	OPLCalculation.MonthlyInstallmentAmount
<b>Profit Result</b>					
Total Installment	Decimal	18,3	###,###,###.##	No	*calculation result
Insurance Income	Decimal	18,3	###,###,###.##	No	*calculation result
Total Income	Decimal	18,3	###,###,###.##	No	OPLCalculation.TotalIncome
Total Income After Lease Cost	Decimal	18,3	###,###,###.##	No	OPLCalculation.TotalIncomeAfterCost
<b>Audit Rail</b>					
Create By	Varchar	100	N/A	Yes	CreateBy
Create Date	Date time	N/A	mm-dd-yyyy:hh-mm:ss	Yes	CreateDate
Last Modified By	Varchar	100	N/A	Yes	LastModifiedBy
Last Modified	Date time	N/A	mm-dd-yyyy:hh-mm:ss	Yes	LastModified
<b>Status Management</b>					
Is Deleted	Bit	N/A	N/A	Yes	IsDeleted
Is Draft	Bit	N/A	N/A	Yes	IsDraft
Is Submitted	Bit	N/A	N/A	Yes	IsSubmitted
Is Valid	Bit	N/A	N/A	Yes	IsValid

## 2.4 Operating Lease Quotation

### 2.4.1 Use case

The figure below is summarizing who uses features of function, and what they can do with it.

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 62 of 90

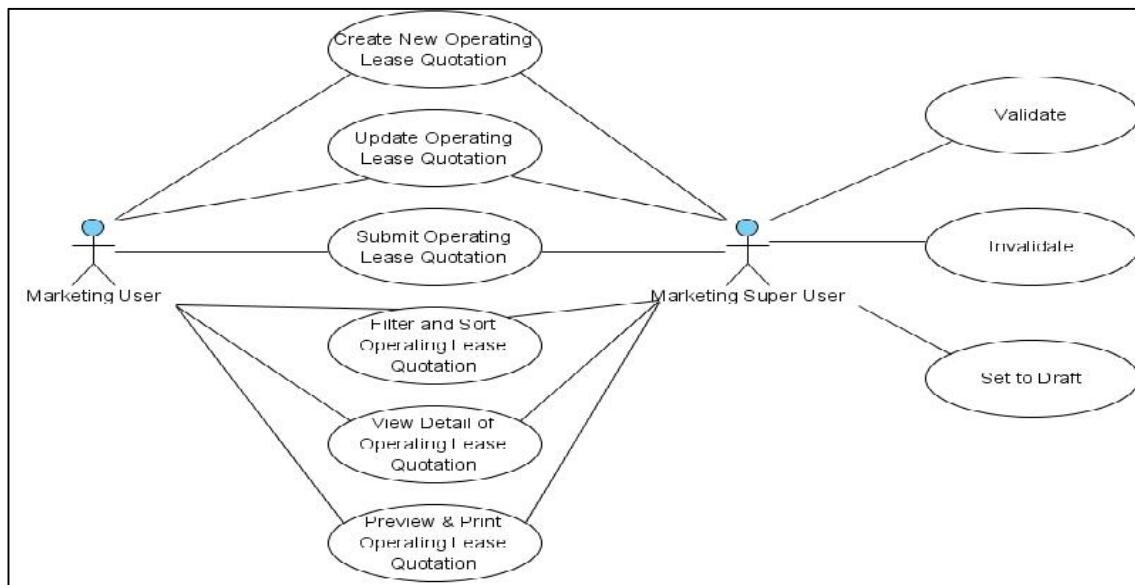


Figure 13 – Use case diagram of Operating Lease Quotation

### 2.4.2 Operations and scenarios

The figure below is describing operations or steps performed in a function interact with people (flow of work between actors and the system).

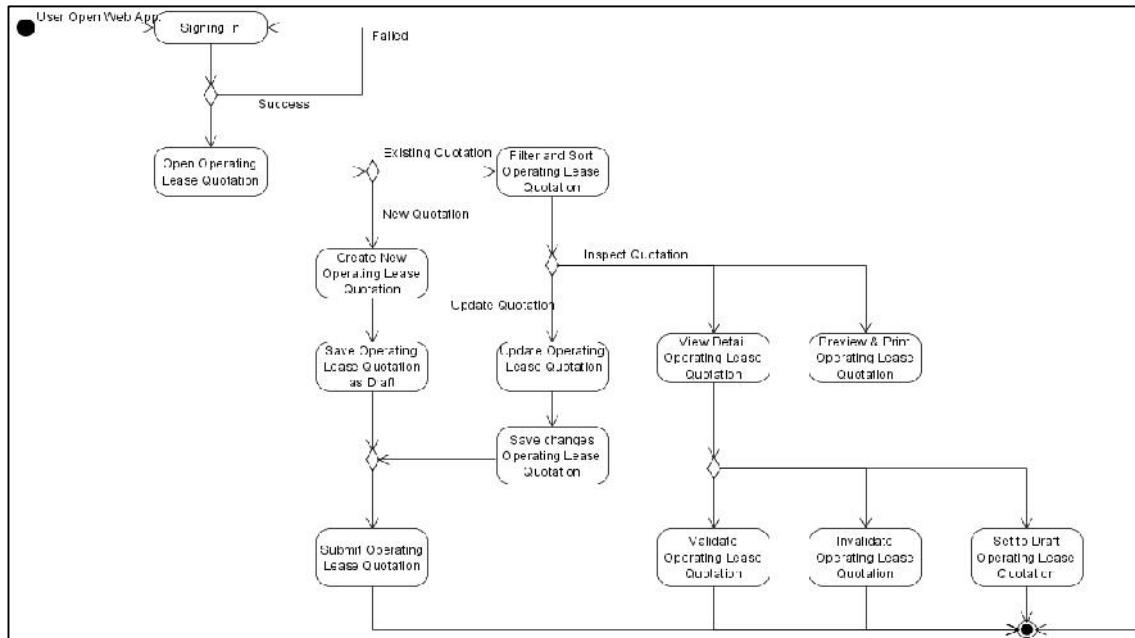


Figure 14 – Activity diagram of Operating Lease Quotation

No.	Steps/ Operations	Actor/ People	Scenario
1	Signing in	Marketing user, Marketing	<ul style="list-style-type: none"> <li>Actor fills out sign in form by inputting user name and password.</li> <li>Actor clicks [sign in] button. System will check the</li> </ul>

**Functional Specification: A.1 Marketing Module**

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 63 of 90

		superuser	account of user; if user account is already registered user will enter into the system. If doesn't user can return the step.
2.	Open operating lease quotation module	Marketing user, Marketing superuser	<ul style="list-style-type: none"> <li>After login, actor can open operating lease quotation module on the menu of system. After that, the screen will be open.</li> <li>Once it is open, operating lease quotation list will be shown and existing data will be displayed.</li> </ul>
3.	Create new operating lease quotation	Marketing user, Marketing superuser	<ul style="list-style-type: none"> <li>If list of operating lease quotation screen opens, actor can click [Create] button to create new quotation and after that create operating lease quotation screen will open. On this screen actor can specify the operating lease quotation records as basis to create the operating lease quotation.</li> <li>To specify the operating lease quotation records, click [...] button at calculation number, after that look-up window will be shown. These windows have features to search and select the calculation. At least one calculation must be selected. Once it done, actor can fill out other information on each field.</li> <li>The mandatory fields cannot be blank.</li> </ul>
4.	Save operating lease quotation as draft	Marketing user, Marketing super user	<ul style="list-style-type: none"> <li>After filling out the fields, actor can click [Save as draft] button, if want to make a records as <b><u>draft</u></b>.</li> <li>After that, system will proceed to store a data into database and will automatically check a validity of data (such as; data type, mandatory data, and data length)</li> <li>If done, actor can click [Back] button to return to the list of operating lease quotation, then operating lease quotation data will be displayed.</li> </ul>
5	Submit operating lease quotation record	Marketing user, Marketing super user	<ul style="list-style-type: none"> <li>Once data is saved and data has been confirmed, actor can submit the record by click [Submit] button.</li> <li>After that system will set an operating lease quotation record as <b><u>submitted (or not draft)</u></b>.</li> <li>If done, actor can click back button to return to the list of operating lease quotation.</li> </ul>
6.	Update operating lease quotation records	Marketing user, Marketing super user	<ul style="list-style-type: none"> <li>On the list of operating lease quotation screen actor can click [Edit] button to update the record by editing data on the edit screen.</li> <li>If the quotations still <b><u>draft</u></b>, <i>marketing user</i> can click [Edit] button on the right side of the records on list of operating lease quotation screen.</li> <li>If the quotation records already <b><u>submit</u></b> and the status is <b><u>valid</u></b>, <i>marketing user</i> cannot click [edit] button to open edit operating lease quotation screen.</li> <li>If edit screen opens, actor can edit a record by inputting a data on each of the fields.</li> <li>The mandatory fields cannot be blank.</li> </ul>

**Functional Specification: A.1 Marketing Module**

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 64 of 90

7.	Filter and sort operating lease quotation records	Marketing user, Marketing super user	<ul style="list-style-type: none"> <li>Actor can filter and sort the record based on columns where displayed on the list.</li> <li>To filter the records, actor can enter keywords into the filter fields. If matched data founds, the result will be displayed on the list. If doesn't, the list will be empty.</li> <li>To sort the records, actor can click header of column on the list table. After that the records will be sorted by ascending or descending, alternately.</li> <li>Upon select [Record number filter] drop down list, actor can filter a record number to display on the list. At least only one item can be selected.</li> </ul>
8.	View detail operating lease quotation record	Marketing user, Marketing super user	<ul style="list-style-type: none"> <li>On the list of operating lease quotation screen actor can view detail an operating lease quotation on the view detail screen.</li> <li>To open view detail screen, actor can click [View detail] button, after that system will display a detail of operating lease quotation. On this screen, actor cannot do anything to edit of data. Only viewing the record.</li> <li>There are 2 conditions when view detail screen opens:           <ol style="list-style-type: none"> <li>If the quotation status is still <b>draft</b> or already <b>valid</b>, [Validate] button and [set to draft] button will be disappeared.</li> <li>If quotation status was <b>submitted</b>, [Validate] button and [Set to draft] button will be shown.</li> </ol> </li> <li>If done, actor can click back button to return to the list.</li> </ul>
9.	Validate Operating lease quotation	Marketing super user	<ul style="list-style-type: none"> <li>To do this process, actor should open view detail screen by clicking [View detail] button on the list. Once view detail screen opens, actor can change the status by clicking [validate] button. If quotation is already confirmed. After status changes to <b>valid</b>, actor cannot rollback the status to <b>submitted</b> or <b>draft</b>.</li> <li>After that, system will proceed automatically to change the status, and actor can click [Back] button to return to the list.</li> </ul>
10.	Invalidate Operating lease quotation	Marketing super user	<ul style="list-style-type: none"> <li>In this feature (for the worst case), if quotation were made inoperative/ not applicable, actor can change the status from <b>valid</b> to <b>not valid</b>.</li> <li>To do this process, actor should open view detail screen by clicking [View detail] button on the list. Once view detail screen opens, actor can change the status by clicking [Invalidate] button.</li> <li>After that, system will proceed automatically to change the status, and actor can click [Back] button to return to the list.</li> </ul>
11.	Set to Draft of Operating lease quotation	Marketing super user	<ul style="list-style-type: none"> <li>To utilize this feature; If quotation still need to be revised and status still not valid yet, actor can change the status from <b>submitted</b> to <b>draft</b>.</li> </ul>

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetya	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 65 of 90

			<ul style="list-style-type: none"> <li>To do this process, actor should open view detail screen by clicking [View detail] button on the list. Once view detail screen opens, actor can change the status by clicking [set to draft] button.</li> <li>After that, system will proceed automatically to change the status, and actor can click [Back] button to return to the list.</li> </ul>
12.	Preview and print operating lease quotation	Marketing user, Marketing super user	<ul style="list-style-type: none"> <li>To do this process, actor can select the quotation record by clicking [Print preview] button, and after that the preview screen will be opened.</li> <li>Once preview screen opens, actor can click [Print] button to print the report.</li> </ul>

### 2.4.3 Status management and roles

The figure below is describing a role matrix (including relation with Status) of actor that already identified in a function.

Role of Actor	Filter and sort	Save as draft	Save changes (draft)	Save changes (submitted)	Submit	Validate	Preview & print
Marketing super user	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Marketing user	Yes	Yes	Yes	No	Yes	No	Yes

The figure below is describing transition of Status that performed when people interact in a function. In this features, validation (validate and invalidate) process triggered on the operating lease quotation module. If the quotation already validate, so the status of operating lease quotation will be valid too, and vice versa.

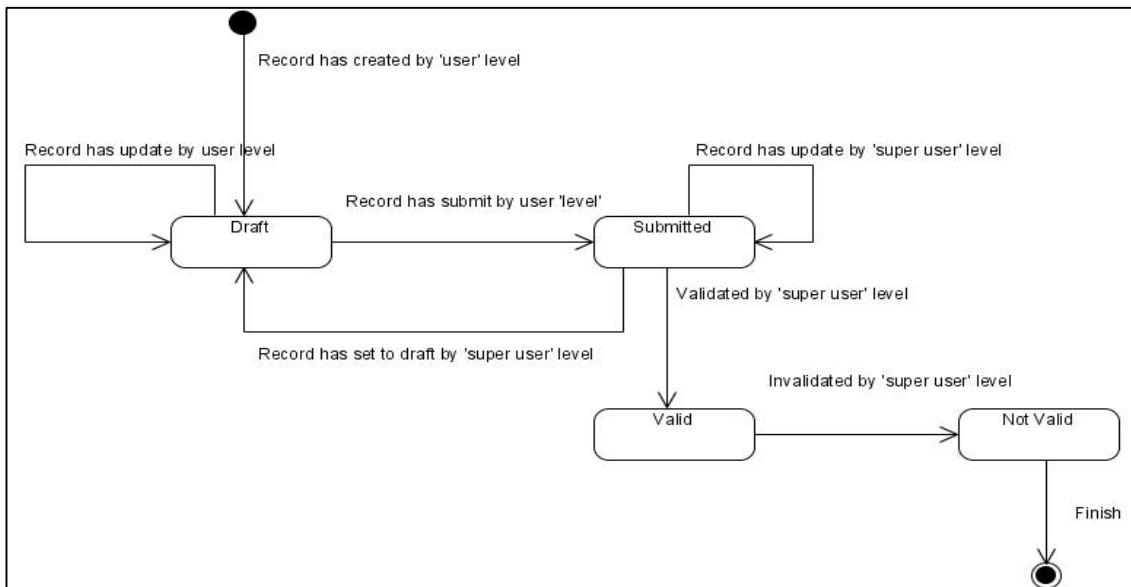


Figure 15 – Status diagram of Operating Lease Quotation

### 2.4.4 Sitemap design

Describe a web page that lists the pages on a web site to actors. Usually sitemap

Functional Specification: A.1 Marketing Module			
Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 66 of 90

organized in hierarchical style.



Figure 16 – Sitemap design of Operating Lease Quotation

## 2.4.5 Screen design

### 2.4.5.1 List of operating lease quotation

This screen is designed to display a list of operating lease quotation. On this list actor can filter and sort a records. And also, actor can open another screen to create new quotation record, update quotation record, and view detail quotation record.

The screenshot shows the 'Operating Lease Quotation' list screen. At the top left is a '+Create' button with a red callout 'To create new records'. Below the header is a search bar with a red callout 'To filter records'. To the right of the search bar is a 'Show' dropdown set to '10 entries' with a red callout 'Displaying list'. In the center is a table listing two records:

Registration Code	Maintenance Type	Insurance Company	Total Gross Premium	Commission Amount	Net Premium	Status	Action
Detail Example	04/06/89	2	Example Classification	Example item	50000	valid	[Edit, View, Delete]
Detail Example	04/06/89	2	Example Classification	Example item	50000	submitted	[Edit, View, Delete]

At the bottom left is a red callout 'Showing 1 to 2 of 2 entries'. At the bottom right are 'First', 'Previous', '1', 'Next', and 'Last' navigation buttons. A red callout 'Data paging information' points to the page numbers.

Image31 – List of Operating Lease Quotation Screen

### 2.4.5.2 Create new operating lease quotation

This screen is designed to create new operating lease quotation record. After filling out necessary data on the screen, actor can store a data into the system by clicking the action button.

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 67 of 90

Return back to list of operating lease quotation

To entry a quotation data

OPL Calculation Number      OPL Proposal Number

OPL Calculation Number ...      OPL Proposal Number ...

OPL Quotation Number      Customer Code      Customer Name      OPL Quotation Date (mm/dd/yyyy)

OPL Quotation Number      Customer Code      Customer Name      OPL Quotation Date

Start Period Plan (mm/dd/yyyy)      End Period Plan (mm/dd/yyyy)      Lease Period Plan (Months)      Valid Until (mm/dd/yyyy)

Start Period Plan (mm/dd/yyyy)      End Period Plan (mm/dd/yyyy)      Lease Period Plan (Months)      Valid Until

Basic Information (Product)

Product Registration Code      Product Type      Product Category

Product Registration Code      Product Type      Product Category

Product Brand Code      Product Brand Name      Product Model Code

Product Brand Code      Product Brand Name      Product Model Code

Product Model Name      Product Model Type      Product Model Year (yyyy/mm)

Product Model Name      Product Model Type      Product Model Year (yyyy/mm)

Transmission      Fuel Type      Displacement (CC)

Transmission      Fuel Type      Displacement

Quotation Information

Monthly Rents      Down Payment      Pre-Paid Month Rent

Rp Monthly Rents      Rp Down Payment      Rp Pre-Paid Month Rent

Tax Amount      Expected Delivery Date (mm/dd/yyyy)      Delivery Place

Rp Tax Amount      Expected Delivery Date (mm/dd/yyyy)      Delivery Place

Additional Items

Additional Items

Remarks

Remarks

Save as Draft      Submit

To save and navigate the quotation data

Image32 – Screen of Create New Operating Lease Quotation Screen

### 2.4.5.3 Update operating lease quotation

This screen is designed to update operating lease quotation. After changes some data on the screen, actor can store a data into the system by click the action button.

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 68 of 90

Return back to list of operating lease quotation

To entry a quotation data

Created by: Abdul Somad Zaini

Created Date: 01/01/2014

Last Modified By: Abdul Somad Zaini

Last Modified Date: 01/01/2014

OPL Calculation Number: Example

OPL Proposal Number: Example

OPL Quotation Number: Example

Customer Code: Example

Customer Name: Example

OPL Quotation Date (mm/dd/yyyy): Example

Start Period Plan (mm/dd/yyyy): Example

End Period Plan (mm/dd/yyyy): Example

Lease Period Plan (Months): Example

Valid Until (mm/dd/yyyy): Example

Basic Information (Product)

Product Registration Code: Example

Product Type: Example

Product Category: Example

Product Brand Code: Example

Product Brand Name: Example

Product Model Code: Example

Product Model Name: Example

Product Model Type: Example

Product Model Year (yyyy/mm): Example

Transmission: Example

Fuel Type: Example

Displacement (CC): Example

Quotation Information

Monthly Rents: Rp Example

Down Payment: Rp Example

Pre-Paid Month Rent: Rp Example

Tax Amount: Rp Example

Expected Delivery Date (mm/dd/yyyy): Example

Delivery Place: Example

Additional Items: Example

Remarks: Example

Save as Draft

Submit

To save and navigate the calculation data

Image33 – Screen of Update Operating Lease Quotation Screen

### 2.4.5.4 View detail operating lease quotation

This screen is designed to view detail operating lease quotation. On this screen actor can change status of a operating lease quotation by clicking action button.

### Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 69 of 90

The screenshot displays a form for viewing and managing operating lease quotations. At the top, there are navigation buttons: a 'Back' button, a link to 'Return back to list of operating lease calculation', and a 'Valid' status indicator. Below these are sections for basic information, quotation details, and a summary table.

Created by	Abdul Somad Zaini	Created Date	01/01/2014	Last Modified By	Abdul Somad Zaini	Last Modified Date	01/01/2014
OPL Calculation Number	OPL Proposal Number	OPL Calculation Number	OPL Proposal Number	OPL Quotation Number	Customer Code	Customer Name	OPL Quotation Date (mm/dd/yyyy)
OPL Quotation Number	Customer Code	Customer Name	OPL Quotation Date (mm/dd/yyyy)	Start Period Plan (mm/dd/yyyy)	End Period Plan (mm/dd/yyyy)	Lease Period Plan (Months)	Valid Until (mm/dd/yyyy)
Start Period Plan (mm/dd/yyyy)	End Period Plan (mm/dd/yyyy)	Lease Period Plan (Months)	Valid Until (mm/dd/yyyy)	Start Period Plan (mm/dd/yyyy)	End Period Plan (mm/dd/yyyy)	Lease Period Plan (Months)	Valid Until (mm/dd/yyyy)
<b>Basic Information (Product)</b>							
Product Registration Code	Product Type	Product Category	Product Category				
Product Registration Code	Product Type	Product Model Code	Product Model Code				
Product Brand Code	Product Brand Name	Product Model Year (yyyy/mm)	Product Model Year (yyyy/mm)				
Product Brand Code	Product Brand Name	Displacement (CC)	Displacement (CC)				
Product Model Name	Product Model Type	Product Model Year (yyyy/mm)	Product Model Year (yyyy/mm)				
Product Model Name	Product Model Type	Displacement (CC)	Displacement (CC)				
Transmission	Fuel Type	Displacement (CC)	Displacement (CC)				
Transmission	Fuel Type	Displacement (CC)	Displacement (CC)				
<b>Quotation information</b>							
Monthly Rents	Down Payment	Pre-Paid Month Rent	Pre-Paid Month Rent				
Monthly Rents	Down Payment	Delivery Place	Delivery Place				
Tax Amount	Expected Delivery Date (mm/dd/yyyy)	Delivery Place	Delivery Place				
Tax Amount	Expected Delivery Date (mm/dd/yyyy)	Delivery Place	Delivery Place				
Additional Items							
Additional Items							
Remarks							
Remarks							
<b>Save as Draft</b>	<b>Submit</b>	To save and navigate the calculation data					

Image34 – Screen of View Detail Operating Lease Quotation

#### 2.4.5.5 Preview and print operating lease quotation

This screen is designed to view detail operating lease quotation. On this screen actor can change status of a operating lease quotation by clicking action button.

### Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 70 of 90

**DIPO STAR FINANCE**  
Solusi Kredit Otomotif

SENTRAL SENAYAN 2, 3RD FLOOR, JL. ASIA AFRIKA No. 8, SENAYAN, JAKARTA  
Tel: (021) 57954100, Fax: (021) 5795 4075

Car Lease Quotation  
To: \_\_\_\_\_ Date: 05/06/2014

We thank you for requesting a quotation us and submit followings for your consideration and approval.

Validity: Within one month after the date. Monthly Rent would be changed due to various factors.  
(i.e. price, tax, interest rate, etc.)

(1) Description of the Leased Property (Vehicle)			
Manufacture / Name			
Grade			
Model Code	Displacement		
Transmission	Engine		
Color	Passengers		
Accessories and Option	Payload		
	Type Karoseri		
	Residual Value		
	New / Used		
(2) Term			
(4) Monthly Kilometer	(3) Expected Delivery Date		
(5) Monthly Rent			
Down Payment	Pre-paid Months Rent		
Payment			
(6) Delivery Place			
(7) Type of Lease Agreement			
Finance Items	Additional Items		
<input checked="" type="radio"/> Cost of Vehicle	Spare Car for inspection over 24 hours except accident		
<input checked="" type="radio"/> Accessories and Options	Spare Car for repairing in case of accident		
<input checked="" type="radio"/> Registration Charges	Roadside Assistance		
<input checked="" type="radio"/> Annual Tax	Emergency Telephone Services		
<input checked="" type="radio"/> Compulsory Third Party Insurance (See Below)	Remarks		
Maintenance Item			
<input checked="" type="radio"/> Schedule Check			
<input checked="" type="radio"/> Parts Change			
<input checked="" type="radio"/> Oil Change			
<input checked="" type="radio"/> Battery Changes			
<input checked="" type="radio"/> Tire Changes			
(8) Comprehensive Motor Insurance			
<input checked="" type="radio"/>	Third Party Liability (Bodily Injury or Death of Person)	IDR	Each Person
<input checked="" type="radio"/>	Third Party Liability (Property Damage)	IDR	Each Accident
<input checked="" type="radio"/>	Personal Accident (Death) - Driver 1 Person	IDR	
<input checked="" type="radio"/>	Personal Accident (Death) - Passenger	IDR	Each Person
<input checked="" type="radio"/>	Medical Expense	IDR	Each Person
<input checked="" type="radio"/>	Bail Bond	IDR	Each Person
<input checked="" type="radio"/>	Automobile Sum Insured (Damage on the Vehicle by collision, fire and theft)		
Remark			
(9) Remarks			
We will be happy to supply any further information you may need and trust that you call on us to fill your order, which will receive our prompt and careful attention.			
PT.Dipo Star Finance	PT.Dipo Star Finance		

Image35 – Screen of Preview and Print Operating Lease Quotation Screen

#### 2.4.6 Screen features

Features	Description
----------	-------------

**Functional Specification: A.1 Marketing Module**

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 71 of 90

[Filter and sort]	To perform data filtering and data sorting of calculation records.
[Create new]	To create new operating lease quotation by entry data on create new form.
[Save as draft] or [Set to draft]	To save a quotation as a draft.
[Submit]	To submit a quotation record as a final.
[Save changes]	To update of changes when editing operating lease quotation record.
[View detail]	To inspect a detail operating lease quotation records by opens a view detail form.
[Edit]	To update of operating lease quotation record.
[Validate]	To validate of operating lease quotation.
[Preview and Print]	To preview and print the report.

#### 2.4.7 Data structure

Field	Data Type	Data Length	Format	Mandatory
<b>QuotationIdentity</b>				
OPL Calculation Number	Text	50	N/A	Yes
OPL Proposal Number	Text	50	N/A	Yes
OPL Quotation Number	Text	50	N/A	Yes
OPL Quotation Date	Date	N/A	mm-yyyy	Yes
<b>Product Basic Information</b>				
Product Registration Code	Text	50	N/A	Yes
Product Type	Text	100	N/A	Yes
Product Category	Text	50	N/A	Yes
Product Brand Code	Text	50	N/A	Yes
Product Brand Name	Text	100	N/A	Yes
Product Model Code	Text	100	N/A	Yes
Product Model Name	Text	100	N/A	Yes
Product Model Type	Text	100	N/A	Yes
Product Model Year	Date	N/A	mm-yyyy	Yes
Transmission	Text	100	N/A	Yes
Fuel Type	Text	100	N/A	Yes
Displacement (cc)	Text	100	N/A	Yes
<b>Quotation Information</b>				
Customer Code	Text	10	N/A	Yes
Customer Name	Text	100	N/A	Yes
Valid Until	Date	N/A	mm-dd-yyyy	No
Start Period Plan	Date	N/A	mm-dd-yyyy	No
End Period Plan	Date	N/A	mm-dd-yyyy	No

**Functional Specification: A.1 Marketing Module**

Project	Operating Lease Support System Development			
Author	Deny Prasetya		Date	30 Juni 2015
Status	Baseline		Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page		Page 72 of 90

Lease Period Plan		Number	N/A	N/A	No
Terms		Text	200	N/A	No
Expected Delivery Date		Date	N/A	mm-dd-yyyy	No
Delivery Place		Text	100	N/A	No
Monthly Rents		Decimal	18,3	###,###,###.##	No
Down Payment		Decimal	18,3	###,###,###.##	No
Pre-Paid Month Rent		Decimal	18,3	###,###,###.##	No
Payment Amount		Decimal	18,3	###,###,###.##	No
Tax Amount		Decimal	18,3	###,###,###.##	No
Additional Items		Text	200	N/A	No
Remarks		Text	200	N/A	No
<b>Audit Rail</b>					
Create By		Text	100	N/A	Yes
Create Date		Date time	N/A	mm-dd-yyyy:hh-mm:ss	No
Last Modified By		Text	100	N/A	Yes
Last Modified		Date time	N/A	mm-dd-yyyy:hh-mm:ss	No
<b>Status Management</b>					
Is Deleted		Yes/No	N/A	N/A	Yes
Is Draft		Yes/No	N/A	N/A	Yes
Is Submitted		Yes/No	N/A	N/A	Yes
Is Valid		Yes/No	N/A	N/A	Yes

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 73 of 90

## 2.5 Agreement Information Inquiry

### 2.5.1 Use case

The figure below is summarizing who uses features of function, and what they can do with it.

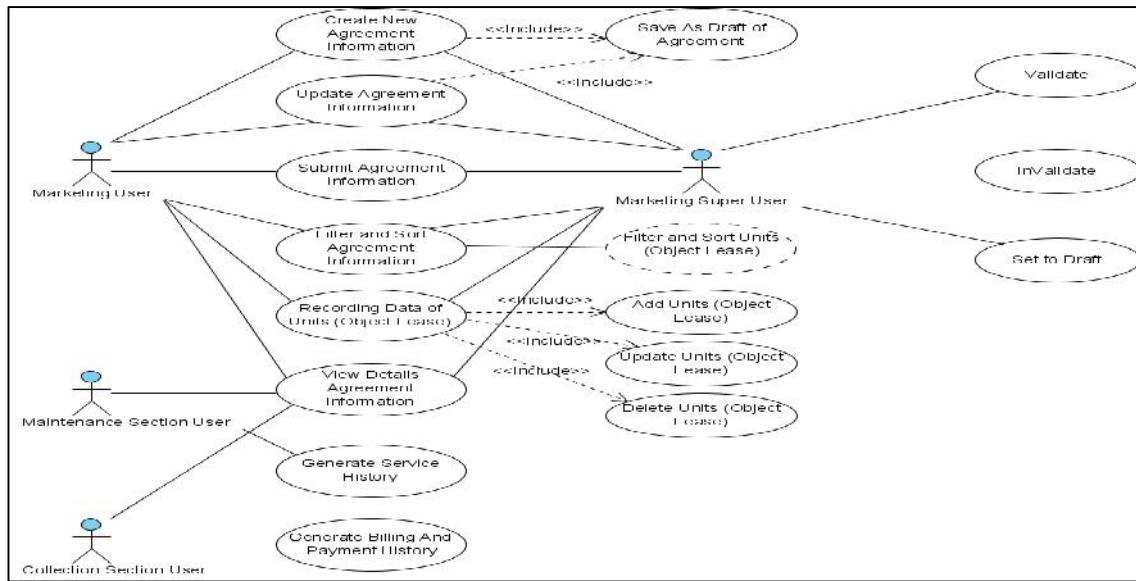


Figure 17 – Use case diagram of Agreement Information Inquiry

### 2.5.2 Operations and scenarios

The figure below is describing operations or steps performed in a function interact with people (flow of work between actors and the system).

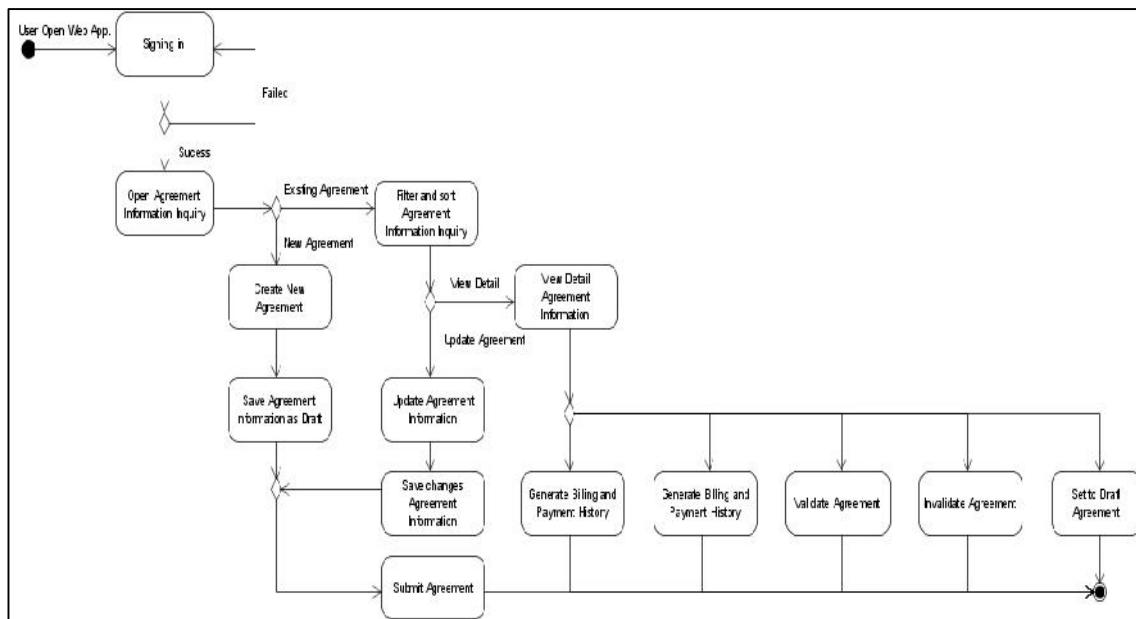


Figure 18 – Activity diagram of Agreement Information Inquiry

**Functional Specification: A.1 Marketing Module**

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 74 of 90

No.	Steps/ Operations	Actor/ People	Scenario
1	Signing in	Marketing user, Marketing superuser	<ul style="list-style-type: none"> <li>Actor fills out sign in form by inputting user name and password.</li> <li>Actor clicks [sign in] button. System will check the account of user; if user account is already registered user will enter into the system. If doesn't user can return the step.</li> </ul>
2.	Open agreementinformation inquiry module	Marketing user, Marketing superuser	<ul style="list-style-type: none"> <li>After login, actor can open agreement information inquiry module on the menu of system. After that, the screen will be open.</li> <li>Once it is open, agreementinformation list will be shown and existing data will be displayed.</li> </ul>
3.	Create new agreement information inquiry	Marketing user, Marketing superuser	<ul style="list-style-type: none"> <li>If list of agreement information screen opens, actor can click [Create] button to create new data and after that agreement screen will be open. Once it open, actor can specify quotation number as reference for data input.</li> <li>To specify the quotation, click [...] button at quotation number, after that look-up window will be shown. These windows have features to search and select the calculation. At least one quotation must be selected.</li> <li>Once it done, actor can fill out other information on each field. The mandatory fields cannot be blank.</li> </ul>
4.	Save operating lease agreement as draft	Marketing user, Marketing super user	<ul style="list-style-type: none"> <li>After filling out the fields, actor can click [Save as draft] button, if want to make a records as <u>draft</u>.</li> <li>After that, system will proceed to store a data into database and will automatically check a validity of data (such as; data type, mandatory data, and data length)</li> <li>If done, actor can click [Back] button to return to the list of agreement, then agreement data will be displayed.</li> </ul>
5	Submit operating lease agreement record	Marketing user, Marketing super user	<ul style="list-style-type: none"> <li>Once data is saved and data has been confirmed, actor can submit the record by click [Submit] button.</li> <li>After that system will set an agreement record as <u>submitted (or not draft)</u>.</li> <li>If done, actor can click [Back] button to return to the list of agreement.</li> </ul>
6.	Update operating lease	Marketing user,	<ul style="list-style-type: none"> <li>On the list of agreementscreen actor can click [Edit] button to update the record by editing data on the edit</li> </ul>

**Functional Specification: A.1 Marketing Module**

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 75 of 90

	agreementrecords	Marketing super user	<p>screen.</p> <ul style="list-style-type: none"> <li>If the agreement still <b><u>draft</u></b>, user can click [Edit] button on the right side of the records on list of agreement screen.</li> <li>If the agreement records already <b><u>submit</u></b> and the status is <b><u>valid</u></b>, <i>marketing user</i> cannot click [edit] button to open edit agreement screen.</li> <li>If edit screen opens, actor can edit a record by inputting a data on each of the fields. The mandatory fields cannot be blank.</li> </ul>
7.	Filter and sort operating lease agreement records	Marketing user, Marketing super user	<ul style="list-style-type: none"> <li>Actor can filter and sort the record based on columns where displayed on the list.</li> <li>To filter the records, actor can enter keywords into the filter fields. If matched data founds, the result will be displayed on the list. If doesn't, the list will be empty.</li> <li>To sort the records, actor can click header of column on the list table. After that the records will be sorted by ascending or descending, alternately.</li> <li>Upon select [Record number filter]drop down list, actor can filter a record number to display on the list. At least only one item can be selected.</li> </ul>
8.	View detail operating lease agreement record	Marketing user, Marketing super user	<ul style="list-style-type: none"> <li>On the list of agreement actor can view detail agreement information on the view detail screen.</li> <li>To open view detail screen, actor can click [View detail] button, after that system will display a detail of agreement. On this screen, actor cannot do anything to edit of data. Only viewing the record.</li> <li>There are 2 conditions when view detail screen opens:             <ol style="list-style-type: none"> <li>If the agreement status is still <b><u>draft</u></b> or already <b><u>valid</u></b>, [Validate] button and [set to draft] button will be disappeared.</li> <li>If the agreement status was <b><u>submitted</u></b>, [Validate] button and [Set to draft] button will be shown.</li> </ol> </li> <li>If done, actor can click back button to return to the list.</li> </ul>
9.	Validate Operating lease agreement	Marketing super user	<ul style="list-style-type: none"> <li>To do this process, actor should open view detail screen by clicking [View detail] button on the list. Once view detail screen opens, actor can change the status by clicking [validate] button. If quotation is already confirmed. After status changes to <b><u>valid</u></b>, actor cannot rollback the status to <b><u>submitted</u></b> or <b><u>draft</u></b>.</li> </ul>

Functional Specification: A.1 Marketing Module			
Project	Operating Lease Support System Development		
Author	Deny Prasetya	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 76 of 90

			<ul style="list-style-type: none"> <li>After that, system will proceed automatically to change the status, and actor can click [Back] button to return to the list.</li> </ul>
10.	Invalidate Operating lease agreement	Marketing super user	<ul style="list-style-type: none"> <li>In this feature (for the worst case), if quotation were made inoperative/ not applicable, actor can change the status from <b>valid</b> to <b>not valid</b>.</li> <li>To do this process, actor should open view detail screen by clicking [View detail] button on the list. Once view detail screen opens, actor can change the status by clicking [Invalidate] button.</li> <li>After that, system will proceed automatically to change the status, and actor can click [Back] button to return to the list.</li> </ul>
11.	Generate Service History	Maintenance Section user	<ul style="list-style-type: none"> <li>Once agreement already validate, user can generate service schedule based on maintenance condition and quantity of units on the agreement. The schedule will be generated base on ach of units as many as number of lease period with the status of Service History is Draft.</li> </ul>
12.	Generate Billing Payment History	Collection Section user	<ul style="list-style-type: none"> <li>Once agreement already validate, user can generate billing payment schedule base on payment condition on the agreement. The payment schedule will be generated base on ach of units as many as number of lease period with the status of Service History is Draft.</li> </ul>

### 2.5.3 Status management and roles

The figure below is describing a role matrix (including relation with Status) of actor that already identified in a function.

Role of Actor	Filter and sort	Save as draft	Save changes (draft)	Save changes (submitted)	Submit	Validate	Preview & print
Marketing super user	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Marketing user	Yes	Yes	Yes	No	Yes	No	Yes

The figure below is describing transition of Status that performed when people interact in a function. In this features, validation (validate and invalidate) process triggered on the operating lease agreement module. If the quotation already validate, so the status of operating lease agreement will be valid too, and vice versa.

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 77 of 90

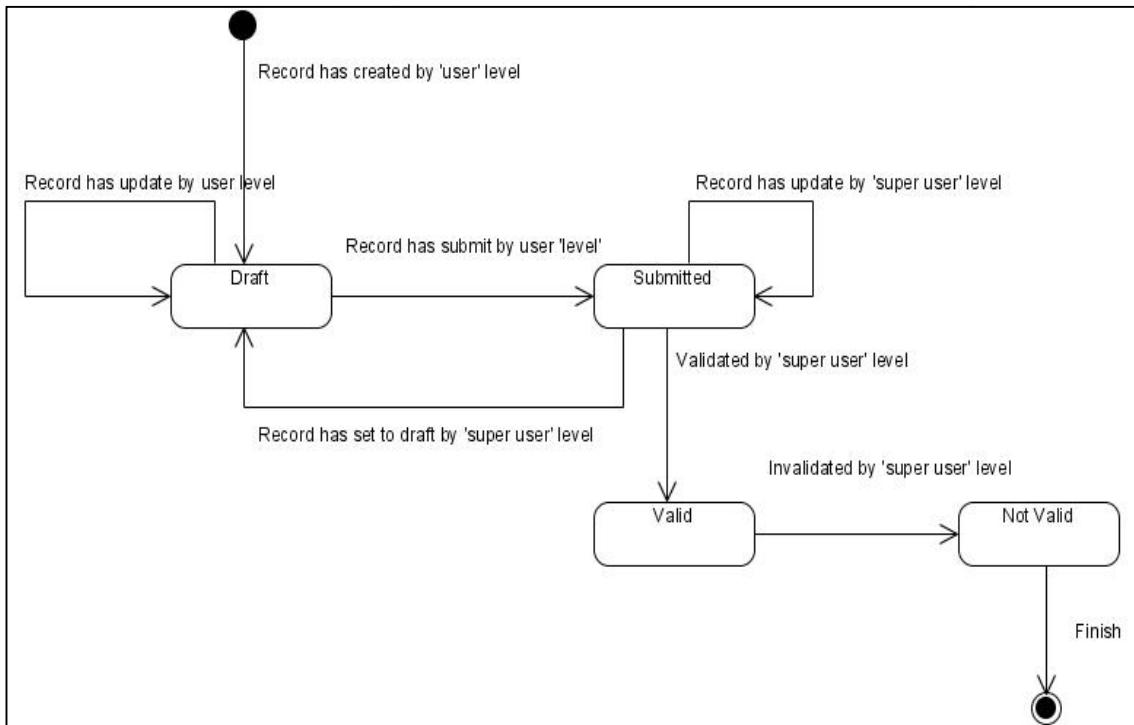


Figure 19 – Status diagram of Operating Lease Agreement

### 2.5.4 Sitemap design

Describe a web page that lists the pages on a web site to actors. Usually sitemap organized in hierarchical style.

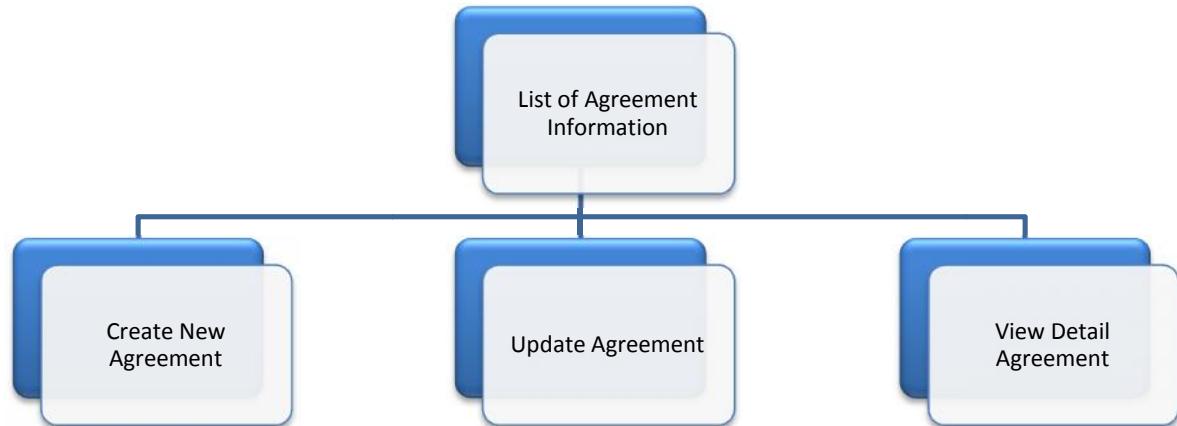


Figure 20 – Sitemap design of Operating lease agreement

### 2.5.5 Screen design

#### 2.5.5.1 List of agreement information inquiry

This screen is designed to display a list of operating lease agreement. On this list actor can filter and sort a records. And also, actor can open another screen to create new quotation record, update quotation record, and view detail quotation record.

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 78 of 90

**Agreement Information Inquiry**

<b>Create New</b>	To create new records						
<b>Agreement list</b>	To filter a number of record filter To open edit or view detail records To filter records						
Displaying list Search <input type="text" value="Keywords"/>							
Agreement Number	Agreement Date	Customer Name	Brand Name	Model Name	Expired Date	Status	Action
000100AN01/11/2014	10/10/2014	PT. KRM	Pajero	Exceed	10/10/2015	Valid	Details
000090AN01/11/2014	11/01/2014	PT. KRM	Mirage	Exceed	11/01/2015	Valid	Details
000080AN01/11/2014	10/10/2014	PT. KRM	Pajero	Exceed	10/10/2015	Valid	Details
000070AN01/11/2014	11/01/2014	PT. KRM	Mirage	Exceed	11/01/2015	Valid	Details
000060AN01/11/2014	10/10/2014	PT. KRM	Pajero	Exceed	10/10/2015	Valid	Details
000050AN01/11/2014	11/01/2014	PT. KRM	Mirage	Exceed	11/01/2015	Valid	Details
000040AN01/11/2014	10/10/2014	PT. KRM	Pajero	Exceed	10/10/2015	Valid	Details
000030AN01/11/2014	11/01/2014	PT. KRM	Mirage	Exceed	11/01/2015	Valid	Details
000020AN01/11/2014	10/10/2014	PT. KRM	Pajero	Exceed	10/10/2015	Valid	Details
000010AN01/11/2014	11/01/2014	PT. KRM	Mirage	Exceed	11/01/2015	Valid	Details

Showing 1 to 10 of 18 entries Data paging information To open paging the records

First	Previous	1	2	Next	Last
-------	----------	---	---	------	------

Image36 – Screen of Agreement Information Inquiry List

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 79 of 90

### 2.5.5.2 Create new agreement

This screen is designed to create new agreement record. After filling out necessary data on the screen, actor can store a data into the system by clicking the action button.

**Agreement Information**

Quotation Number	Agreement Number	Previous Agreement Number	Agreement Date (mm/dd/yyyy)
Quotation Number	Agreement Number	Previous Agreement Number	Agreement Date (mm/dd/yyyy)
Marketing Officer PIC Name	Marketing Officer PIC Position	Marketing Officer PIC Phone	Marketing Officer PIC Email
Marketing Officer PIC Name	Marketing Officer PIC Position	Marketing Officer PIC Phone	Marketing Officer PIC Email
Customer Name	BAST Date (mm/dd/yyyy)	Start Date Usage Unit (mm/dd/yyyy)	End Date Usage Unit (mm/dd/yyyy)
Customer Name	BAST Date (mm/dd/yyyy)	Start Date Usage Unit (mm/dd/yyyy)	End Date Usage Unit (mm/dd/yyyy)
Lease Period (Month)	Lease Period (Month)		

**Payment Condition**

Lease Category	Insurance	Purchase Required	Payment Transaction
Lease Category	Insurance	Purchase Required	Payment Transaction
First Due Date of Usage Unit (mm/dd/yyyy)	Term of Payment (Days)	First Due Date of Payment (mm/dd/yyyy)	Transfer
First Due Date of Usage Unit (mm/dd/yyyy)	Term of Payment (Days)	First Due Date of Payment (mm/dd/yyyy)	Issue of Invoices Date (mm/dd/yyyy)
Monthly Installment	Deposit Amounts	Number of Payment (Numbers)	Issue of Invoices Date (mm/dd/yyyy)
RD	RD	Number of Payment (Numbers)	Deposit Payment Date (mm/dd/yyyy)
Maturity Installment	Deposit Amounts	Number of Payment (Numbers)	Deposit Payment Date (mm/dd/yyyy)
Deposit Return Date (mm/dd/yyyy)	Interest Penalty (%)		
Deposit Return Date (mm/dd/yyyy)	Interest Penalty (%)		
Maintenance Condition			
Product Registration Code	Product Brand Name	Product Model Name	Model Year (yyyy/MM)
Product Registration Code	Product Brand Name	Product Model Name	Model Year (yyyy/MM)
Maintenance Type	Usage	Accessories	Currency
Full Maintenance	City	Yes	Yes
Contract Mileage (per Month)	Oil Exchange Mileage (KM/Month)	Regular Maintenance (KM/Month)	Euroarts, Fix (KM/Month)
Contract Mileage (per Month)	Oil Exchange Mileage (KM/Month)	Regular Maintenance (KM/Month)	Indarts, Fix (KM/Month)
Battery Charge	Tire Change	Customer Service Desk (CSO)	General / Others Maintenance
Battery Charge	Tire Change	Customer Service Desk (CSO)	Yes
STNK Renewal	STNK Renewal Date Schedule (mm/dd/yyyy)	KLUR Renewal	KLUR Renewal Date Schedule (mm/dd/yyyy)
STNK Renewal	STNK Renewal Date Schedule (mm/dd/yyyy)	KLUR Renewal	KLUR Renewal Date Schedule (mm/dd/yyyy)
Break Down Special Contract	Break Down Special Contract Remarks	Replacement Unit	Replacement Unit Remarks
Break Down Special Contract	Break Down Special Contract Remarks	Replacement Unit	Replacement Unit Remarks

**List of Unit (Object Lease)**

Police Number/Invoice Number	Engine Number	Carroseriel/Accessories	Action
B 3402 KAN	00001/INV/11/2014	Dump Truck, GPS	Details   Delete
B 1843 TZV	00002/INV/11/2014	GPS	Details   Delete
B 3435 QZR	00001/INV/11/2014	Dump Truck, GPS	Details   Delete
B 6434 TZV	00002/INV/11/2014	GPS	Details   Delete
B 5402 KAN	00001/INV/11/2014	Dump Truck, GPS	Details   Delete

Showing 1 to 5 of 8 entries
Data paging information
To open paging the records
First | Previous | 1 | 2 | Next | Last

Save as Draft
Submit
To save and navigate the quotation data

Image37 – Screen of Agreement Information Inquiry List

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 80 of 90

### 2.5.5.3 Update agreement information

This screen is designed to update agreement quotation. After changes some data on the screen, actor can store a data into the system by click the action button.

The screenshot shows the 'Update Agreement Information' screen with several sections and buttons highlighted by red boxes and arrows:

- Top Section (Agreement Information):** Contains fields for Quotation Number, Agreement Number, Previous Agreement Number, Agreement Date, Marketing Officer PIC Name, Marketing Officer PIC Position, Marketing Officer PIC Phone, Marketing Officer PIC Email, Customer Name, DAST Date, Start Date Usage Unit, End Date Usage Unit, Lease Period (Month), and Lease Period (Month).
- Middle Section (Payment Condition):** Contains fields for Lease Category, Insurance, Purchase Required, Payment Frequency, First Due Date of Usage Unit, Term of Payment (Days), Deposit Amount, Number of Payment (Numbers), Monthly Installment, Interest Penalty (%), Deposit Return Date, and Interest Penalty (%).
- Maintenance Condition:** Contains fields for Product Registration Code, Product Brand Name, Product Model Name, Model Year, Model Year, Carrosserie, Carrosserie, Lubricants, Fuel, General / Others Maintenance, and KHLR Renewal.
- List of Unit (Object Lease):** A table showing entries for Police Number/Invoice Number, Engine Number, Carroserie/Accessories, and Action. The 'Action' column includes 'Details' and 'Delete' links.
- Bottom Section:** Includes buttons for 'Save as Draft' and 'Submit'.

Image38 – Screen of Update Agreement Information

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 81 of 90

### 2.5.5.4 View detail agreement

This screen is designed to view detail agreement information. On this screen actor can change status of a operating lease quotation by clicking action button.

Agreement Information										
Quotation Number	Quotation Number	...	Agreement Number	Agreement Number	Prev. Agree. Number	Prev. Agree. Number	Agreement Date	(mm/dd/yyyy)	...	
Sales PIC Name	Sales PIC Name	Sales PIC Position	Sales PIC Position	Sales PIC Phone	Sales PIC Position	Sales PIC Email	Sales PIC Email			
Customer Name	Customer Name	Contract Start Date	(mm/dd/yyyy)	...	Contract Expired Date	(mm/dd/yyyy)	...	Lease Period (Months)	Lease Period (Months)	
<u>Payment Condition</u>										
Lease Category	Lease Category	Insurance	Yes	▼	Purchase Required	Purchase Required	Payment Transaction	Transfer	▼	
First Due Date of Usage Unit	(mm/dd/yyyy)	...	Due Date of First Payment	(mm/dd/yyyy)	...	Term of Payment (Days)	(Days)	Issue of Invoices Date	(mm/dd/yyyy)	...
Monthly Inst.	Rp.	Deposit Amount	Rp.	Number of Payment (Numbers)	1	Deposit Payment Date	(mm/dd/yyyy)	...		
Deposit Return Date	(mm/dd/yyyy)	Interest Penalty (%)	Interest Penalty (%)							
<u>Maintenance Condition</u>										
Product Registration Code	Product Registration Code	Product Brand	Product Brand	Product Model	Product Brand	Model Year (yyyy/mm)	Model Year			
Maintenance Type	Maintenance Type	Usage	Usage	Accessories	Yes	▼	Carrosserie	Yes	▼	
Contract Mileage (per Months)	Contract Mileage	Actual Mileage (per Month)	Actual Mileage	Regular Maint. (KM/ Month)	Regular Main.(Km)	Lubricants, Fats (KM/ Months)	Lubricants, Fats			
Battery Change	Battery Change	Tire Change	Tire Change	Customer Service Desk (CSD)	Cust. Serv. Desk (CSD)	General/ Others Maintenance	Yes	▼		
STNK Renewal	Yes	STNK Renewal Date Sched.	(mm/dd/yyyy)	...	KEUR Renewal	Yes	▼	KEUR Renewal Date Sched.	(mm/dd/yyyy)	
Break Down Special Contract	Yes	Break Down Special Contract Remarks		Replacement Unit	Yes	▼	Replacement Unit Remarks			
List of Unit (Object Lease)										
Add	To add new records				To open view detail and delete a records					
Police Number/Invoice Number	Engine Number	Carrosserie/ Accessories			Action					
B 3402 KAN	00001/INV/11/2014	Dump Truck, GPS				Details   Delete				
B 1843 TZV	00002/INV/11/2014	GPS				Details   Delete				
B 3435 QZR	00001/INV/11/2014	Dump Truck, GPS				Details   Delete				
B 6434 TZV	00002/INV/11/2014	GPS				Details   Delete				
B 5402 KAN	00001/INV/11/2014	Dump Truck, GPS				Details   Delete				
Showing 1 to 5 of 8 entries		Data paging information			To open paging the records					
Save as Draft		Submit			To save and navigate the quotation data					

Image39 – Screen of Details Agreement Information

Functional Specification: A.1 Marketing Module			
Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 82 of 90

## 2.5.6 Screen features

Features	Description
[Filter and sort]	To perform data filtering and data sorting of calculation records.
[Create new]	To create new operating lease quotation by entry data on create new form.
[Save as draft] or [Set to draft]	To save a quotation as a draft.
[Submit]	To submit a quotation record as a final.
[Save changes]	To update of changes when editing operating lease quotation record.
[View detail]	To inspect a detail operating lease quotation records by opens a view detail form.
[Edit]	To update of operating lease quotation record.
[Validate]	To validate of operating lease quotation.
[Preview and Print]	To preview and print the report.

## 2.5.7 Data structure

Field	Data Type	Data Length	Format	Mandatory	DB Mapping
<b>Agreement Information</b>					
Quotation Number	Varchar	50	N/A	Yes	OPLAgreementDetails.OPLQuotationNumber
Agreement Number	Varchar	50	N/A	Yes	OPLAgreement.AgreementNumber
Previous Agreement Number	Varchar	100	N/A	No	OPLAgreement.AgreementNumberReff
Agreement Date	Date	N/A	mm/dd/yyyy	No	OPLAgreement.AgreementDate
Marketing Officer PIC Name	Varchar	200	N/A	No	OPLAgreement.PICFullName
Marketing Officer PIC Position	Varchar	50	N/A	No	OPLAgreement.PICPositionName
Marketing Officer PIC Phone	Varchar	50	N/A	No	OPLAgreement.PICTelephone
Marketing Officer PIC Email	Varchar	50	N/A	No	OPLAgreement.PICEmailAddress
Customer Name	Varchar	200	N/A	No	Customer.CustomerName
BAST Date	Date	N/A	mm/dd/yyyy	Yes	OPLAgreement.BASTHAndoverSchedule
Start Date Usage Unit	Date	N/A	mm/dd/yyyy	Yes	OPLAgreement.

**Functional Specification: A.1 Marketing Module**

Project	Operating Lease Support System Development				
Author	Deny Prasetia			Date	30 Juni 2015
Status	Baseline			Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page			Page 83 of 90

						StartPeriodDate
End Date Usage Unit		Date	N/A	mm/dd/yyyy	Yes	OPLAgreement.EndPeriodDate
Lease Period		Int	N/A	N/A	Yes	OPLCalculation.LeasePeriodPlan
<b>Payment Condition</b>						
Lease Category		Varchar	100	N/A	No	OPLAgreement.LeaseCategory
Insurance		Bit	N/A	N/A	No	OPLAgreement.IsInsurance
Purchase Required		Bit	N/A	N/A	No	OPLAgreement.PurchaseAfterLease
Payment Transaction		Varchar	100	N/A	No	OPLAgreement.PaymentTransactionType
First Due Date of Usage Unit		Date	N/A	mm/dd/yyyy	No	OPLAgreement.FDueDateUsage
Term Of Payment		Int	N/A	N/A	No	OPLAgreement.TermOfPayment
First Due Date of Payment		Date	N/A	mm/dd/yyyy	No	OPLAgreement.FDDatePayment
Issue of Invoices Date		Date	N/A	mm/dd/yyyy	No	OPLAgreement.IssueInvoiceDate
DepositAmount		Decimal	18,0	###,###,###.##	No	OPLAgreement.DepositAmount
Monthly Installment		Decimal	18,0	###,###,###.##	No	*calculation result
Deposit Amount		Decimal	18,0	###,###,###.##	No	OPLAgreement.DepositAmount
Number of Payment		Int	N/A	N/A	No	OPLAgreement.NumberOfPayments
Deposit Payment Date		Date	N/A	mm/dd/yyyy	No	OPLAgreement.DepositPaymentDate
Deposit Return Date		Date	N/A	mm/dd/yyyy	No	OPLAgreement.DepositReturnDate
Interest Penalty		Decimal	18,6	N/A	No	OPLAgreement.InterestOfPenalty
<b>Maintenance Condition</b>						
Product Registration Code		Varchar	50	N/A	No	OPLAgreementDetails.ProductCode
Product Brand Name		Varchar	100	N/A	No	Product.BrandName
Product Model Name		Varchar	100	N/A	No	Product.ModelName
Model Year		Date	N/A	mm-yyy	No	Product.ModelYear

**Functional Specification: A.1 Marketing Module**

Project	Operating Lease Support System Development			
Author	Deny Prasetya		Date	30 Juni 2015
Status	Baseline		Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page		Page 84 of 90

Maintenance Type	Varchar	100	N/A	No	OPLAgreementDetails. MaintenanceType
Usage	Varchar	100	N/A	No	OPLAgreementDetails. Usage
Accessories	Bit	N/A	N/A	No	OPLAgreementDetails. IsAccessories
Carrosserie	Bit	N/A	N/A	No	OPLAgreementDetails. IsCarroserie
Contract Mileage	Int	N/A	N/A	No	OPLAgreementDetails. MonthlyMileageContract
Oil Exchange Mileage	Int	N/A	N/A	No	OPLAgreementDetails. OilExchangeMileage
Regular Maintenance	Int	N/A	N/A	No	OPLAgreementDetails. RegularMaintenanceMileage
Lubricants, Fats	Int	N/A	N/A	No	OPLAgreementDetails. LubricantsFatMileage
Battery Change	Int	N/A	N/A	No	OPLAgreementDetails. BatteryChangeMileage
Tire Change	Int	N/A	N/A	No	OPLAgreementDetails. TireChangeMileage
Customer Service Desk	Varchar	100	N/A	No	OPLAgreementDetails. CSDMaintenance
General / Others Maintenance	Bit	N/A	N/A	No	OPLAgreementDetails. GeneralFailureMaintenance
STNK Renewal	Bit	N/A	N/A	No	OPLAgreementDetails. STNKRenewal
STNK Renewal Date Schedule	Date	N/A	mm/dd/yyyy	No	OPLAgreementDetails. STNKRenewalDate
KEUR Renewal	Bit	N/A	N/A	No	OPLAgreementDetails.

**Functional Specification: A.1 Marketing Module**

Project	Operating Lease Support System Development				
Author	Deny Prasetia			Date	30 Juni 2015
Status	Baseline			Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page			Page 85 of 90

					KEURRenewal
KEUR Renewal Date Schedule	Date	N/A	mm/dd/yyyy	No	OPLAgreementDetails. KEURRenewalDate
Break Dawn Special Contract	Bit	N/A	N/A	No	OPLAgreementDetails. BreakDawnContract
Break Dawn Special Contract Remarks	Varchar	200	N/A	No	OPLAgreementDetails. BreakDawnRemarks
Replacement Unit	Bit	N/A	N/A	No	OPLAgreementDetails. ReplacementUnit
Replacement Unit Remarks	Varchar	200	N/A	No	OPLAgreementDetails. ReplacementUnitRemarks
<b>Audit Rail</b>					
Create By	Text	100	N/A	Yes	CreateBy
Create Date	Date time	N/A	mm-dd-yyyy:hh-mm:ss	Yes	CreateDate
Last Modified By	Text	100	N/A	Yes	LastModifiedBy
Last Modified	Date time	N/A	mm-dd-yyyy:hh-mm:ss	Yes	LastModified
<b>Status Management</b>					
Is Deleted	Yes/No	N/A	N/A	Yes	IsDeleted
Is Draft	Yes/No	N/A	N/A	Yes	IsDraft
Is Submitted	Yes/No	N/A	N/A	Yes	IsSubmitted
Is Valid	Yes/No	N/A	N/A	Yes	IsValid

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 86 of 90

## 3 Appendix

### 3.1 Use Case Terminology

#### What is the use case?

- (i) **A use case is** a written description of how users will perform tasks on your website. It outlines, from a user's point of view, a system's behavior as it responds to a request. Each use case is represented as a sequence of simple steps, beginning with a user's goal and ending when that goal is fulfilled. (<http://www.usability.gov/how-to-and-tools/methods/use-cases.html>)
- (ii) **A use case is** a list of steps, typically defining interactions between a role and a system. ([http://en.wikipedia.org/wiki/Use\\_case](http://en.wikipedia.org/wiki/Use_case))
- (iii) **A use case is** a formal way of representing how a business interacts with its environment. It is summarized into a single picture. (<http://romisatriawahono.net/lecture/sad/romi-sad-05-implementation-march2014.pptx>)

#### What are Benefits of use cases?

- (i) **Use cases** add value because they help explain how the system should behave and in the process, they also help brainstorm what could go wrong. They provide a list of goals and this list can be used to establish the cost and complexity of the system. Project teams can then negotiate which functions become requirements and are built.

What Use Cases Include	What Use Cases Do NOT Include
<ul style="list-style-type: none"><li>• Who is using the website</li><li>• What the user want to do</li><li>• The user's goal</li><li>• The steps the user takes to accomplish a particular task</li><li>• How the website should respond to an action</li></ul>	<ul style="list-style-type: none"><li>• Implementation-specific language</li><li>• Details about the user interfaces or screens.</li></ul>

(<http://www.usability.gov/how-to-and-tools/methods/use-cases.html>)

- (ii) With the help of use case diagram, you can discuss and communicate:
  - The scenarios in which your system or application interacts with people, organizations, or external systems.
  - The goals that it helps those actors achieve.
  - The scope of your system.

(<http://msdn.microsoft.com/en-us/library/dd409432.aspx>)

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 87 of 90

### 3.2 Calculation Formula

#### => Calculation of Refinance:

1. Calculation formula
  - o **Net Sales**  
([Sales Price] \* [Quantity]) - [Commission] - [Other Expense0,1,2,3]

---

  - o **Profit Amount**  
[Net Sales] - [Residual Value]

#### => Calculation of Operating Lease:

1. Step2 - Financial Condition:
  - o Prime Rate Effective  
[Borrowing Rate Effective] + [Spread Rate Effective]
  - o Rate Flat  
LF Monthly Installment = PMT(Prime Rate Effective/12, Period, -(Product Net + Accessories Net + Carroserie Net) \* (100%-0)), 0, Payment Type)  
LF Total Installment = LF Monthly Installment \* Period  
LF Interest Expenses = (PMT(Borrowing Rate Effective/12, Period, -(Product Net + Accessories Net + Carroserie Net), 0, Payment Type) \* Period) - (Product Net + Accessories Net + Carroserie Net)  
LF Principal Investment = (Product Net + Accessories Net + Carroserie Net) - ((Product Net + Accessories Net + Carroserie Net) \* 0)  
LF Interest Income = LF Total Installment - LF Interest Expenses - LF Principal Investment  
Borrowing Flat Rate = LF Interest Expenses / LF Principal Investment / (Period/12)  
Spread Flat Rate = (LF Interest Income/Period) / (Product Net + Accessories Net + Carroserie Net) \* 12  
Prime Flat Rate = Borrowing Flat Rate + Spread Flat Rate
2. Step3 - Maintenance Cost
  - o Sum Up Maintenance Cost Condition
  - o Value of [Total Maintenance Cost] is total budget during the period of lease
3. Step4-Insurance Cost
  - o Sum Up Insurance Cost Condition
  - o Value of [Mediator Fee Amount] ≤ value of [Commission Amount]
4. Step5 - Operating Lease Result:
  - o Calculate Nett Product Price  
[Sum Up (Total Product Price + Total Accessories Price + Total Carroserie Price)] \*[Unit Quantity]
  - o Calculate Gross Product Price  
[Sum Up (Product Price + Accessories Price + Carroserie Price)] \*[Unit Quantity]
  - o Calculate Maintenance Cost  
[Sum Up Maintenance Cost] \* Unit Quantity]
  - o Calculate Insurance Cost

**Functional Specification: A.1 Marketing Module**

Project	Operating Lease Support System Development		
Author	Deny Prasetya	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 88 of 90

[Sum Up Insurance Condition Cost]\*[Lease Period Plan]\*[Unit Quantity]

- Residual Value  
[RV Rate] \* [Nett Product Price]\*[Unit Quantity]
- Standard Residual Value  
[RV Rate] \* [Gross Product Price]\*[Unit Quantity]
- STNK & KEUR Renewal Cost  
[Total Registration Value]
- Replacement Unit Cost  
([Replacement Unit]\*[Lease Period Plan]\*[Unit Quantity])
- Mediator Fee Cost  
([Mediator Fee Cost]\*[Unit Quantity])
- Mobilization Cost  
([Mobilization Cost]\*[Unit Quantity])
- Demobilization Cost  
([Demobilization Cost]\*[Unit Quantity])
- Insurance Cost  
[Gross Premium] - [Commission]
- Interest Cost  
PMT([(Borrowing Rate Eff.)/12],[Lease Period Plan],- (Nett Product Price),0,[payment type])\*[Lease Period Plan]- (Nett Product Price)
- Depreciations  
(Total Product Price + Accessories Price + Carroserie Price) – RV Amount)
- Interest Cost for TOP  
[Term of Payments] \* (Total Product Price + Accessories Price + Carroserie Price) \* (Borrowing Rate Flat/360)
- Interest Cost for Payment Before BAST  
[Interest Cost DP Unit] + [Interest Cost Payment Settlement Unit] + [Interest Cost DP Accessories] + [Interest Cost Payment Settlement Accessories] + [Interest Cost DP Carroserie] + [Interest Cost Payment Settlement Carroserie]
- Interest Cost DP Unit  
[Total Product Price] \* [DP Percent To BAST] \* [DP Period to BAST] \* (Borrowing Rate Flat/ 360)
- Interest Cost Payment Settlement Unit

## Functional Specification: A.1 Marketing Module

Project	Operating Lease Support System Development		
Author	Deny Prasetya	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 89 of 90

[Total Product Price] \* [PS Percent To BAST] \* [Payment Settlement Period to BAST] \*  
(Borrowing Rate Flat/ 360)

- Interest Cost DP Accessories

[Total Product Price]\* [DP Percent To BAST] \* [DP Period to BAST] \* (Borrowing Rate  
Flat/ 360)

- Interest Cost Payment Settlement Accessories

[Accessories Price]\* [PS Percent To BAST] \* [Payment Settlement Period to BAST] \*  
(Borrowing Rate Flat/ 360)

- Interest Cost DP Carroserie

[Carroserie Price]\* [DP Percent To BAST] \* [DP Period to BAST] \* (Borrowing Rate Flat/  
360)

- Interest Cost Payment Settlement Carroserie

[Accessories Price]\* [PS Percent To BAST] \* [Payment Settlement Period to BAST] \*  
(Borrowing Rate Flat/ 360)

- Insurance Income Cost

[Commission Amount]

- Interest Income

[Rate after Adjustment] \* [Total Cost]

- **Total Cost**
- 

- DSFFinance Lease Interest Income

[NetTotalPrice] \* [SpreadFlatPercent] \* ([LeasePeriodPlan] 12);

- DSFFinance Lease Total Income

[NetTotalPrice] + [DSFLeaseFinanceInterestIncome] + [Interest Expense] +  
[Administration Fee Amount] + [Insurance Income]

- DSFFinance Lease Total Cost

[NetTotalPrice] + [Interest Expense]

- DSFFinance Lease Total Profit

[DSFFinance Lease Total Income] - [DSFFinance Lease Total Cost]

---

- OPL Product Profit

[DSFFinance Lease Total Profit] \* [Ratio]

- **Total Installment**

[OPLProductProfit] + [OPLProductTotalCost]

- **Monthly Installment OPL**

**Functional Specification: A.1 Marketing Module**

Project	Operating Lease Support System Development		
Author	Deny Prasetia	Date	30 Juni 2015
Status	Baseline	Version	5.0
Document	TM14402A - DSF OLSS - FS A.1 Marketing Module Rev.5.0.docx	Page	Page 90 of 90

[Total Installment] / [Lease Period Plan]

- **[Total Income]**  
[Total Installment] + [Insurances income]
- **[Total Income After Lease Cost]**  
[Total Income - Total Cost]