

***Operating Lease Support System Phase-2 Project***

***for***

****

***Functional Specification***

***FC.AB.3.2 Approval Agreement***

Revision 0.0

**PT. Berlian Sistem Informasi**

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Document Control

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| **Path** |  |
| **Number of Page** |  |

Revision History

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| --- | --- | --- | --- |
| **Date** | **Revision** | **Description** | **Author** |
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Distribution List

|  |  |  |
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Document Approval

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

|  |  |  |  |
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1. Introduction
   1. Purpose

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

* 1. Scope

Functional Specification Document contains screen design, screen functionality, process flow, and data structure of FC.AB.3.2 Approval Agreement for Phase-2

Here are the scope for FC.AB.3.2 Approval Agreement

1. **AB.3.2.1 Check Agreement**

To check an Agreement

1. **AB.3.2.2 Approve Agreement**

To approve an Agreement (the function is the same with Check)

1. **AB.3.2.7 Revise Agreement**

To revise an Agreement

* 1. Definition, Acronyms, and Abbreviations

1. OPL = Operating Lease
2. DSF = Dipo Star Finance
3. BSI = Berlian Sistem Informasi
4. HOB = Head of Branch
5. HOD = Head of Department
6. RM = Regional Manager
   1. References

This functional specification document refers to **“To Be Design” AB. Marketing Process**, module:

1. AB.3. Operating Lease Agreement

* AB.3.2 Operating Lease Agreement Approval

1. Configuration

* N/A

1. Detail Specification: FC.AB.3.2 Approval Agreement
   1. Purpose

The screens used in Approval Agreement are used to Check, Approve, and Revise the Agreement. This screens are used by PIC Admin.

* 1. Screen of Configuration Access

Here are the access right for users:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| ***User*** | ***Check*** | ***Approve*** | ***Reject*** | **Revise** | **Authorization** |
| Marketing Officer | - | - | - | - | - |
| Head of Branch | v | v | v | v | v |
| Head of Department | v | v | v | v | v |
| Regional Manager | v | v | v | v | v |
| Advisor | v | v | v | v | v |
| Director | v | v | v | v | v |
| President Director | v | v | v | v | v |
| Shareholder’s Meeting | - | v | v | v | v |

Legend :

v = Have the Access

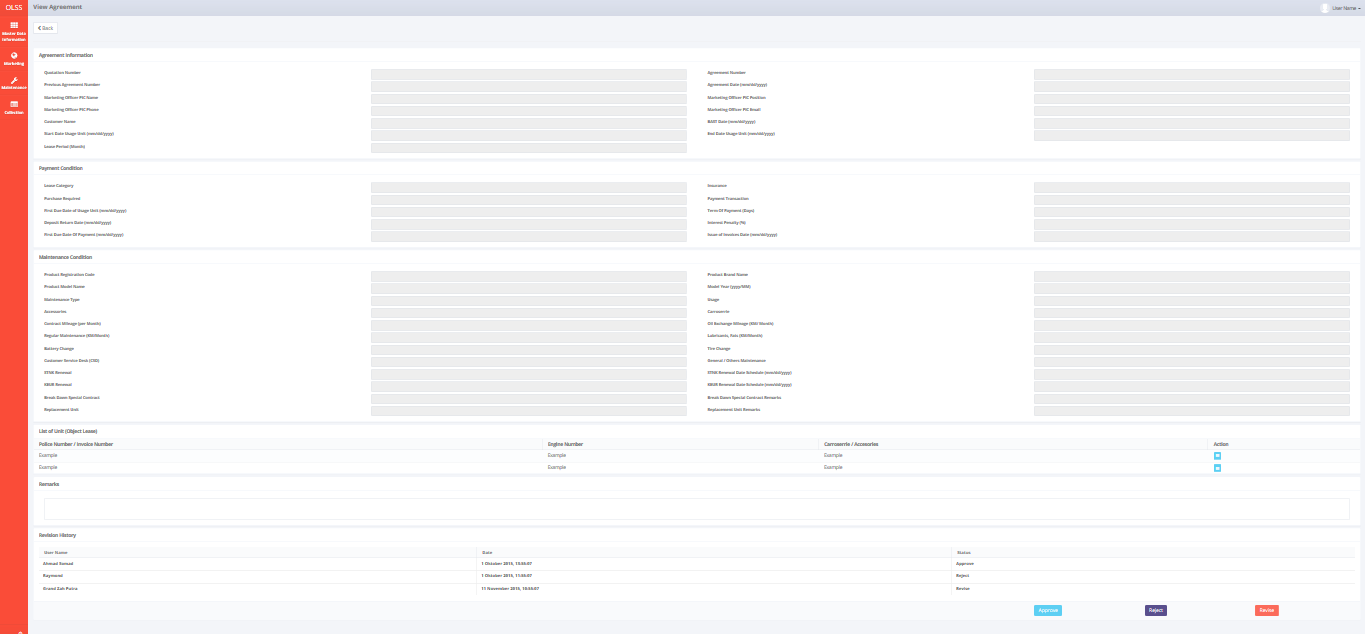
Note :

1. Check : related to Checking of Agreement
2. Approve : related to Approval of Agreement
3. Reject : related to Rejection of Agreement
4. Revise : related to Revision of Agreement
5. Autorization : related to access screen of Agreement Approval
   1. Screen Functionality
6. Check Agreement
7. Approve Agreement
8. Revise Agreement
   1. Operation Flow

Below is operation flow for Monitoring and print unit preparation process refer to **To Be Design Document Marketing Process**, **AB.3 Operating Lease Agreement**:

|  |  |
| --- | --- |
| **PIC PC** | **Process** |
|  | (Tb\_OPL\_Status)  F:\FINAL\SKD\SKD_View.png  (OPLQuotation)  (Supplier)  (Tb\_OPL\_Branch)    Agreement Detail  (OPLAgreement\_Dtl)  Agreement  (OPLAgreement)  Note:  Source  Output & Input |

* 1. Screen Design
* *View Agreement (for approval)*



*Screen 4. View Agreement*

* 1. Component Screen Functionality
  2. **View Agreement (for approval)**

Here are the screen functions from each component in **Screen 1. View Agreement (for approval)**:

|  |  |  |  |
| --- | --- | --- | --- |
| ***No*** | ***Component*** | ***Name*** | ***Function*** |
| **Header** | | | |
| 1 | Label | Create OPL Agreement | OPL Agreement Creation title |
| 2 | Button | Back | Back to previous screen |
| 3 | Label | View OPL Agreement | View OPL Agreement title |
| 4 | Label | Created By | Displaying Created By |
| 5 | Label | Created Date | Displaying Created Date |
| 6 | Label | Last Modified By | Displaying Last Modified By |
| 7 | Label | Last Modified Date | Displaying Last Modified Date |
| **Agreement Information** | | | |
| 8 | Text Field | Agreement Number | Displaying OPL Agreement Number (after save of submit) |
| 9 | Search box | SKD Number | To select the SKD that use as reference document |
| 10 | Text Field | Previous Agreement Number | Displaying pervious agreement number (for novation or rescheduled) |
| 11 | Date Picker | Agreement Date | To input Agreement Date |
| 12 | Text Field | Marketing Officer PIC Name | To input Marketing Officer PIC Name |
| 13 | Text Field | Marketing Officer PIC Position | To input Marketing Officer PIC Position |
| 14 | Text Field | Marketing Officer PIC Phone | To input Marketing Officer PIC Phone |
| 15 | Text Field | Marketing Officer PIC Email | To input Marketing Officer PIC Email |
| 16 | Text Field | Customer Name | To Display Customer Name |
| 17 | Text Field | Lease Period | To Display Lease Period (month) |
| 18 | Text Field | BAST Date (MM/dd/yyyy) | To Display BAST Date |
| 19 | Text Field | Start Date Usage Unit (MM/dd/yyyy) | To Display Start Date Usage Unit |
| 20 | Text Field | End Date Usage Unit (MM/dd/yyyy) | To Display End Date Usage Unit |
| **Payment Condition** | | | |
| 21 | Text Field | Lease Category | To Display Lease Category |
| 22 | Text Field | Insurance | To Display Insurance |
| 23 | Drop Down Box | Purhase Required | To select Purchase Required |
| 24 | Drop Down Box | Payment Transaction | To select Payment Transaction |
| 25 | Text Field | Term Of Payment (Days) | To Display TOP |
| 26 | Text Field | Interest Penalty (%) | To Input Interest Penalty |
| 27 | Text Field | Monthly Installment | Displaying Monthly Installment |
| 28 | Text Field | Deposit Amount | To Input Deposit Amount |
| 29 | Text Field | Number of Payment (Numbers) | To Display Number of payment |
| **Maintenance Condition** | | | |
| 30 | Text Field | Product Registration Code | To Display Product Registration Code |
| 31 | Text Field | Product Brand Name | To Display Product Brand Name |
| 32 | Text Field | Product Model Name | To Display Product Model Name |
| 33 | Text Field | Model Year (yyyy/MM) | To Display Product Model Year |
| 34 | Text Field | Maintenance Type | To Display Maintenance Type |
| 35 | Text Field | Usage | To Display Usage |
| 36 | Text Field | Accessories | To Display Accessories |
| 37 | Text Field | Carroserrie | To Display Carroserrie |
| 38 | Text Field | Contract Mileage (per Month) | To Display Contract Mileage |
| 39 | Text Field | Oil Exchange Mileage (KM/ Month) | To Display Oil Exchange Mileage |
| 40 | Text Field | Regular Maintenance (KM/Month) | To Display Regular Maintenance |
| 41 | Text Field | Lubricants, Fats (KM/Month) | To Display Lubricants, Fats |
| 42 | Text Field | Battery Change | To Display Battery Change |
| 43 | Text Field | Tire Change | To Display Tire Change |
| 44 | Text Field | Customer Service Desk (CSD) | To Display Customer Service Desk |
| 45 | Text Field | General / Others Maintenance | To Display General / Others Maintenance |
| 46 | Text Field | STNK Renewal | To Display STNK Renewal |
| 47 | Text Field | KEUR Renewal | To Display KEUR Renewal |
| 48 | Drop Down Box | Break Dawn Special Contract | To select Break Dawn Special Contract Remarks |
| 49 | Text Field | Break Dawn Special Contract Remarks | To Input Break Dawn Special Contract Remarks |
| 50 | Text Field | Replacement Unit | To Display Replacement Unit |
| 51 | Text Field | Replacement Unit Remarks | To Input Replacement Unit Remarks |
| **Unit Detail** | | | |
| 52 | Search box | Model/Carroserrie/Acessories Name | To Select Name of Product Model, Carroserrie, or Acessories |
| 53 | Text Field | Model Year | To Display Produc Model Year |
| 54 | Text Field | Qty | To Input quantity of unit/carroserie/accessories |
| **List of Unit (Object Lease)** | | | |
| 55 | Label | Police Number / Invoice Number | To Display Police Number / Invoice Number |
| 56 | Label | Engine Number | To Display Engine Number |
| 57 | Label | Carroserrie / Accessories | To Display Carroserrie / Accesories |
| 58 | Button | Action | To show detail on modal dialogue |
| **Revision History** | | | |
| 59 | Label | Revision History | Revision History sub-title |
| 60 | Label | User Name | Displaying User Name |
| 61 | Label | Date | Displaying Date |
| 62 | Label | Status | Displaying Status |
| **Footer** | | | |
| 63 | Button | Save as Draft | To save the inputted form as draft document |
| 64 | Button | Submit | To submit the inputted form |
| 65 | Text Area | Remarks | To input Remarks |
| 66 | Button | Check | To Check the Agreement document |
| 67 | Button | Approve | To Approve the Agreement document |
| 68 | Button | Revise | To Revise the Agreement document |

* 1. Operation Description

|  |  |  |
| --- | --- | --- |
| **No.** | **Operation Name** | **Description** |
| 1 | Initial view of View Agreement (for approval) | The screen for View Agreement:   1. Status component;  |  |  |  |  | | --- | --- | --- | --- | | Component | Name/Caption | Status | Remark | | Label | Edit OPL Agreement | Not Active |  | | Label | Created By | Not Active |  | | Label | Created Date | Not Active |  | | Label | Last Modified By | Not Active |  | | Label | Last Modified Date | Not Active |  | | Button | Back | Active |  | | Text Field | Agreement Number | Not Active |  | | Search Box | SKD Number | Not Active | Mandatory field marked as red | | Text Field | Previous Agreement Number | Not Active |  | | Date Picker | Agreement Date | Not Active | Mandatory field marked as red | | Search Box | Marketing Officer PIC Name | Not Active | Mandatory field marked as red | | Text Field | Marketing Officer PIC Position | Not Active |  | | Text Field | Marketing Officer PIC Phone | Not Active |  | | Text Field | Marketing Officer PIC Email | Not Active |  | | Text Field | Customer Name | Not Active |  | | Text Field | Lease Period | Not Active |  | | Text Field | Lease Category | Not Active |  | | Text Field | Insurance | Not Active |  | | Text Field | Purhase Required | Not Active |  | | Text Field | Payment Transaction | Not Active |  | | Text Field | Term Of Payment (Days) | Not Active |  | | Text Field | Interest Penalty (%) | Not Active |  | | Text Field | Monthly Installment | Not Active |  | | Text Field | Deposit Amount | Not Active |  | | Text Field | Number of Payment (Numbers) | Not Active |  | | Text Field | Product Registration Code | Not Active |  | | Text Field | Product Brand Name | Not Active |  | | Text Field | Product Model Name | Not Active |  | | Text Field | Model Year (yyyy/MM) | Not Active |  | | Text Field | Maintenance Type | Not Active |  | | Text Field | Usage | Not Active |  | | Text Field | Accessories | Not Active |  | | Text Field | Carroserrie | Not Active |  | | Text Field | Contract Mileage (per Month) | Not Active |  | | Text Field | Oil Exchange Mileage (KM/ Month) | Not Active |  | | Text Field | Regular Maintenance (KM/Month) | Not Active |  | | Text Field | Lubricants, Fats (KM/Month) | Not Active |  | | Text Field | Battery Change | Not Active |  | | Text Field | Tire Change | Not Active |  | | Text Field | Customer Service Desk (CSD) | Not Active |  | | Text Field | General / Others Maintenance | Not Active |  | | Text Field | STNK Renewal | Not Active |  | | Text Field | KEUR Renewal | Not Active |  | | Drop Down Box Box | Break Dawn Special Contract | Not Active |  | | Text Field | Break Dawn Special Contract Remarks | Not Active |  | | Text Field | Replacement Unit | Not Active |  | | Text Field | Replacement Unit Remarks | Not Active |  | | Search box | Model/Carroserrie/Acessories Name | Not Active |  | | Text Field | Model Year | Not Active |  | | Text Field | Qty | Not Active |  | | Text Area | Remarks | Active |  | | Label | Revision History | Not Active |  | | Label | User Name | Not Active | Displayed according to last username who updated the document | | Label | Date | Not Active | Displayed according to last datetime the last username who updated the document | | Label | Status | Not Active | Displayed according to last activity the last username who updated the document | | Button | Check | Active |  | | Button | Approve | Active |  | | Button | Revise | Active |  | |
| 2 | Check Agreement | Input:   1. Click on the Check button   D:\Users\bsi00815\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.Word\SKD_View.png  Constraint:   1. Check button will only enabled on Checker user screen (without Approve button and Reject button). There are no Check button, Approve button, and Reject button enabled on one same screen 2. Check button and Revise button will be enabled 3. The button will only enabled for the user whom the approval hierarchy is below the approval limit from the lowest of the hierarchy 4. A pop up will appear and ask for confirmation of choice   **“Are you sure you want to Check ?”**   1. Click on Yes   Process:   1. Update table OPLAgreement  * IdTb\_OPL\_Status = Current status ( get IdTb\_OPL\_Status from Tb\_OPL\_Status where StatusCode = “Check”) * TaskId= New Guid * LastModifiedBy = current user * LastModifiedDate = current date (DateTime.Now)  1. Create OPLAgreement\_History  * ProcessID = New Guid * OriginalID = IdOPLAgreement * CreatedDate = current date (DateTime.Now) * CreatedBy = curren user * Action = “Check”   Output:   1. The List of Agreement will show the last approval and next approval PIC 2. The List of Agreement will show “Check” on Status column 3. The last Authorized Person’s Approve, Reject, and Revise buttons will be active and can be approved bypassing all other Authorized Person (except the last Authorized Person) in approval hierarchy (refer to *FC.C.1 System Setting*) 4. The button Check, Approve, Reject, and Revise will be disabled for the user who has done the Check   Altenative:   1. From step 2, click on Back button to go back to previous menu (List of Agreement) 2. If the checker is not available to Check in within 3 days, the Check authority will move to next Authorized Person above. There will only need an Approve by the Authorized Person who is in the amount limit if all the checker is not available |
| 3 | Approve Agreement | Input:   1. Click on the Approve button     Constraint:   1. Approve button will only enabled on approver user screen (without Check button). There are no Approve button and Check button enabled on one same screen 2. Approve button and reject will be enabled 3. The button will only enabled for the user whom the amount limit has been reached and after all the Checker has checked the document 4. A pop up will appear and ask for confirmation of choice   **“Are you sure you want to Approve?”**   1. Click on Yes   Process:   1. Update table OPLAgreement  * IdTb\_OPL\_Status = Current status ( get IdTb\_OPL\_Status from Tb\_OPL\_Status where StatusCode = “Approve”) * TaskId= New Guid * LastModifiedBy = current user * LastModifiedDate = current date (DateTime.Now)  1. Create OPLAgreement\_History  * ProcessID = New Guid * OriginalID = IdOPLAgreement * CreatedDate = current date (DateTime.Now) * CreatedBy = curren user * Action = “Approve”   Output:   1. The List of Agreement will show the last approval and next approval PIC 2. The List of Agreement will show Approve on Status column 3. The button Check, Approve, Reject, and Revise will be disabled for the user who has done the Approve   Altenative:   1. From step 2, click on Back button to go back to previous menu (List of Agreement) 2. If the approver is not available to Approve in within 3 days, the Approve authority will move to next Authorized Person above. The move will be limited only until Director Role and won’t move up anymore |
| 4 | Revise Agreement | Input:   1. Input the Remarks (Reject/ Revise)   Constraint:   1. Every field inputted cannot exceed maximum length defined in database system 2. Revise button will only appear on approver user screen 3. The button will be enabled for the user from the lowest hierarchy and the higher authority will be enabled also if the lower hierarchy has done Check or Revise 4. Click on the Revise button      1. A pop up will appear and ask for confirmation of choice   **“Are you sure you want to Revise ?”**   1. Click on Yes   Process:   1. Update table OPLAgreement  * IdTb\_OPL\_Status = Current status ( get IdTb\_OPL\_Status from Tb\_OPL\_Status where StatusCode = “Revise”) * TaskId= New Guid * Notes = Remarks (Revise / Reject) * LastModifiedBy = current user * LastModifiedDate = current date (DateTime.Now)  1. Create OPLAgreement\_History  * ProcessID = New Guid * OriginalID = IdOPLAgreement * CreatedDate = current date (DateTime.Now) * CreatedBy = curren user * Action = “Revise”   Output:   1. The List of Agreement will show the next approval PIC (back to the lowest) 2. The List of Agreement will show “Revise” on Status column 3. The button Check, Approve, Reject, and Revise will be disabled until the document status changed into Submit   Altenative:   1. From step 1, click on Back button to go back to previous menu (List of Agreement) |
| 5 | Reject Agreement | Input:   1. Click on the reject button      1. Input the Remarks (Reject/ Revise)   Constraint:   1. Every field inputted cannot exceed maximum length defined in database system 2. A pop up will appear and ask for confirmation of choice   **“Are you sure you want to Reject ?”**   1. Click on Yes   Process:   1. Update table OPLAgreement  * IdTb\_OPL\_Status = Current status ( get IdTb\_OPL\_Status from Tb\_OPL\_Status where StatusCode = “Reject”) * TaskId= New Guid * Notes = Remarks (Revise / Reject) * LastModifiedBy = current user * LastModifiedDate = current date (DateTime.Now)  1. Create OPLAgreement\_History  * ProcessID = New Guid * OriginalID = IdOPLAgreement * CreatedDate = current date (DateTime.Now) * CreatedBy = current user * Action = “Reject”  1. All the Approval button like Check, Approve, Revise, and Reject will be inactive on all user for the related Agreement   Output:   1. The List of Agreement will show the last approval PIC 2. The List of Agreement will show “Reject” on Status column 3. The button Check, Approve, Reject, and Revise will be disabled for the related Agreement   Altenative:   1. From step 1, click on Back button to go back to previous menu (List of Agreement) |
| 6 | System error message | Process:   1. Any errors outside of application validation or that which cannot be handled by application such as errors when communicating with database, bugs, overloop, etc will generate an error message “**System error. Please contact your administrator**” 2. A log history will be generated for any error outside of application validation (same as Phase 1). This log record can be used for IT investigation should any cases appear in the system   Output:   1. A page with system error message will appear |

* 1. Data Structure

1. **View Agreement (for approval)**

Here are the data structure in **Screen 1. View Agreement (for approval)**:

**OPLAgreement**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *Field Name* | *Data Type* | *Length* | *Source* | *Remarks* | *Nullable* | *Mandatory* |
| *IdOPLAgreement* | *Integer* | *N/A* | OPLAgreement.IdOPLAgreement | ***Primary Key*** | *NO* | *YES* |
| *IdTb\_OPL\_Employee* | *Integer* | *N/A* | OPLAgreement.Id\_Tb\_OPL\_Employee | ***Foreign Key,*** *has relation with Tb\_OPL\_Employee.Id Tb\_OPL\_Employee* | *YES* | *NO* |
| *IdTb\_MKT\_SKD* | *Integer* | *N/A* | OPLAgreement.IdTb\_MKT\_SKD | ***Foreign Key,*** *has relation with Tb\_MKT\_SKD.IdTb\_MKT\_SKD* | *YES* | *NO* |
| *TaskId* | *Uniqueidentifier* | *N/A* | OPLAgreement.TaskId |  | *YES* | *NO* |
| CustomerCode | *Varchar* | *10* | OPLAgreement.CustomerCode |  | *NO* | *YES* |
| Prev AgreementNumber | *Varchar* | *50* | OPLAgreement.AgreementNumberReff | *From OPLCalculation.AgreenentNumberReff where OPLCalculation.IdOPLCalculation = OPLQuotation.IdOPLCalculation and OPLQuotation.IdOPLQuotation = Tb\_MKT\_SKD.IdOPLQuotation and Tb\_MKT\_SKD.IdTb\_MKT\_SKD = OPLAgreement. IdTb\_MKT\_SKD* | *YES* | *NO* |
| Agreement Number | *Varchar* | *50* | OPLAgreement.AgreementNumber |  | *NO* | *YES* |
| Agreement Date | *DateTime* | *N/A* | OPLAgreement.AgreementDate | *Format screen “MM/dd/yyyy”* | *NO* | *YES* |
| Start Date Usage Unit | *DateTime* | *N/A* | OPLAgreement.StartPeriodDate | *Format screen “MM/dd/yyyy”* | *NO* | *YES* |
| End Date Usage Unit | *DateTime* | *N/A* | OPLAgreement.EndPeriodDate | *Format screen “MM/dd/yyyy”* | *NO* | *YES* |
| Terminate Date | *DateTime* | *N/A* | OPLAgreement.TerminateDate | *Format screen “MM/dd/yyyy”* | *Yes* | *No* |
| Lease Category | *Varchar* | *100* | OPLAgreement.LeaseCategory | *From OPLCalculation.LeaseCategory where OPLCalculation.IdOPLCalculation = OPLQuotation.IdOPLCalculation and OPLQuotation.IdOPLQuotation = Tb\_MKT\_SKD.IdOPLQuotation and Tb\_MKT\_SKD.IdTb\_MKT\_SKD = OPLAgreement. IdTb\_MKT\_SKD* | *NO* | *YES* |
| Insurance | *Boolean* | *N/A* | OPLAgreement.IsInsurance | *From OPLCalculation.Insurance where OPLCalculation.IdOPLCalculation = OPLQuotation.IdOPLCalculation and OPLQuotation.IdOPLQuotation = Tb\_MKT\_SKD.IdOPLQuotation and Tb\_MKT\_SKD.IdTb\_MKT\_SKD = OPLAgreement. IdTb\_MKT\_SKD* | *NO* | *YES* |
| Purchase After Lease | *Boolean* | *N/A* | OPLAgreement.PurchaseAfterLease | *From OPLCalculation.PurchaseAfterLease where OPLCalculation.IdOPLCalculation = OPLQuotation.IdOPLCalculation and OPLQuotation.IdOPLQuotation = Tb\_MKT\_SKD.IdOPLQuotation and Tb\_MKT\_SKD.IdTb\_MKT\_SKD = OPLAgreement. IdTb\_MKT\_SKD* | *NO* | *YES* |
| Payment Transaction Type | *Varchar* | *100* | OPLAgreement.PaymentTransactionType | *From OPLCalculation.PaymentTranscationType where OPLCalculation.IdOPLCalculation = OPLQuotation.IdOPLCalculation and OPLQuotation.IdOPLQuotation = Tb\_MKT\_SKD.IdOPLQuotation and Tb\_MKT\_SKD.IdTb\_MKT\_SKD = OPLAgreement. IdTb\_MKT\_SKD* | *YES* | *NO* |
| First Due Date of Usage | *DateTime* | *N/A* | OPLAgreement.FDueDateUsage | *Format screen “MM/dd/yyyy”* | *YES* | *NO* |
| First Due Date of Payment | *DateTime* | *N/A* | OPLAgreement.FDDatePayment | *Format screen “MM/dd/yyyy”* | *YES* | *NO* |
| Term Payment Days | *Integer* | *N/A* | OPLAgreement.TermOfPayment | *From OPLCalculation.TermPaymentDays where OPLCalculation.IdOPLCalculation = OPLQuotation.IdOPLCalculation and OPLQuotation.IdOPLQuotation = Tb\_MKT\_SKD.IdOPLQuotation and Tb\_MKT\_SKD.IdTb\_MKT\_SKD = OPLAgreement. IdTb\_MKT\_SKD* | *YES* | *NO* |
| Interest Of Penalty | *Decimal* | *18,6* | OPLAgreement.InterestOfPenalty |  | *YES* | *NO* |
| Deposit Payment Date | *DateTime* | *N/A* | OPLAgreement.DepositPaymentDate | *Format screen “MM/dd/yyyy”* | *YES* | *NO* |
| Deposit Return Date | *DateTime* | *N/A* | OPLAgreement.DepositReturnDate | *Format screen “MM/dd/yyyy”* | *YES* | *NO* |
| Deposit Amount | *Decimal* | *18, 3* | OPLAgreement.DepositAmount |  | *YES* | *NO* |
| Number Of Payments | *Integer* | *N/A* | OPLAgreement.NumberOfPayments |  | *YES* | *NO* |
| Total Monthly Installment | *Decimal* | *18, 3* | OPLAgreement.TotalMonthlyInstallment |  | *NO* | *YES* |
| Total Unit Qty | *Decimal* | *18, 3* | OPLAgreement.TotalUnitQuantity |  | *NO* | *YES* |
| Remarks | *Varchar* | *200* | OPLAgreement.Remarks |  | *YES* | *NO* |
| BAST Date | *DateTime* | *N/A* | OPLAgreement.BASTDate | *Format screen “MM/dd/yyyy”* | *NO* | *YES* |
| Product Code | *Varchar* | *50* | OPLAgreement.ProductCode |  | *NO* | *YES* |
| Maintenance Type | *Varchar* | *100* | OPLAgreement.MaintenanceType | *From OPLCalculation.MaintenanceType where OPLCalculation.IdOPLCalculation = OPLQuotation.IdOPLCalculation and OPLQuotation.IdOPLQuotation = Tb\_MKT\_SKD.IdOPLQuotation and Tb\_MKT\_SKD.IdTb\_MKT\_SKD = OPLAgreement. IdTb\_MKT\_SKD* | *NO* | *YES* |
| Usage | *Varchar* | *100* | OPLAgreement.Usage | *From OPLCalculation.Usage where OPLCalculation.IdOPLCalculation = OPLQuotation.IdOPLCalculation and OPLQuotation.IdOPLQuotation = Tb\_MKT\_SKD.IdOPLQuotation and Tb\_MKT\_SKD.IdTb\_MKT\_SKD = OPLAgreement. IdTb\_MKT\_SKD* | *YES* | *NO* |
| Monthly Mileage | *Integer* | *N/A* | OPLAgreement.MonthlyMileageContract | *From OPLCalculation.MonthlyMileage where OPLCalculation.IdOPLCalculation = OPLQuotation.IdOPLCalculation and OPLQuotation.IdOPLQuotation = Tb\_MKT\_SKD.IdOPLQuotation and Tb\_MKT\_SKD.IdTb\_MKT\_SKD = OPLAgreement. IdTb\_MKT\_SKD* | *YES* | *NO* |
| Periodic Maintenance Km | *Integer* | *N/A* | OPLAgreement.RegularMaintenanceMileage | *From OPLMaintenaceCondition.PeriodicMaintenanceKm where OPLMaintenanceCondition.IdOPLCalculation = OPLQuotation.IdOPLCalculation and OPLQuotation.IdOPLQuotation = Tb\_MKT\_SKD.IdOPLQuotation and Tb\_MKT\_SKD.IdTb\_MKT\_SKD = OPLAgreement. IdTb\_MKT\_SKD* | *YES* | *NO* |
| Periodic Oil Exchange | *Integer* | *N/A* | OPLAgreement.OilExchangeMileage | *From OPLMaintenaceCondition.PeriodicOilExchange where OPLMaintenanceCondition.IdOPLCalculation = OPLQuotation.IdOPLCalculation and OPLQuotation.IdOPLQuotation = Tb\_MKT\_SKD.IdOPLQuotation and Tb\_MKT\_SKD.IdTb\_MKT\_SKD = OPLAgreement. IdTb\_MKT\_SKD* | *YES* | *NO* |
| Periodic Oil Fats | *Integer* | *N/A* | OPLAgreement.LubricantsFatMileage | *From OPLMaintenaceCondition.PeriodicOilFats where OPLMaintenanceCondition.IdOPLCalculation = OPLQuotation.IdOPLCalculation and OPLQuotation.IdOPLQuotation = Tb\_MKT\_SKD.IdOPLQuotation and Tb\_MKT\_SKD.IdTb\_MKT\_SKD = OPLAgreement. IdTb\_MKT\_SKD* | *YES* | *NO* |
| Batery Km | *Integer* | *N/A* | OPLAgreement.BateryChangeMileage | *From OPLMaintenaceCondition.BateryKm where OPLMaintenanceCondition.IdOPLCalculation = OPLQuotation.IdOPLCalculation and OPLQuotation.IdOPLQuotation = Tb\_MKT\_SKD.IdOPLQuotation and Tb\_MKT\_SKD.IdTb\_MKT\_SKD = OPLAgreement. IdTb\_MKT\_SKD* | *YES* | *NO* |
| Tire Km | *Integer* | *N/A* | OPLAgreement.TireChangeMileage | *From OPLMaintenaceCondition.TireKm where OPLMaintenanceCondition.IdOPLCalculation = OPLQuotation.IdOPLCalculation and OPLQuotation.IdOPLQuotation = Tb\_MKT\_SKD.IdOPLQuotation and Tb\_MKT\_SKD.IdTb\_MKT\_SKD = OPLAgreement. IdTb\_MKT\_SKD* | *YES* | *NO* |
| CSD | *Varchar* | *100* | OPLAgreement.CSDMaintenance | *From OPLMaintenaceCondition.CSD where OPLMaintenanceCondition.IdOPLCalculation = OPLQuotation.IdOPLCalculation and OPLQuotation.IdOPLQuotation = Tb\_MKT\_SKD.IdOPLQuotation and Tb\_MKT\_SKD.IdTb\_MKT\_SKD = OPLAgreement. IdTb\_MKT\_SKD* | *YES* | *NO* |
| General Failure Maintenance | *Boolean* | *N/A* | OPLAgreement.GeneralFailureMaintenance | *General / Others Maintenance, the value will be set to ‘1’ if there is any value on OPLMaintenanceCondition. OPLMaintenanceCondition.MaintenanceOther1/ OPLMaintenanceCondition.MaintenanceOther2/ OPLMaintenanceCondition.MaintenanceOther3 where OPLMaintenanceCondition.IdOPLCalculation = OPLQuotation.IdOPLCalculation and OPLQuotation.IdOPLQuotation = Tb\_MKT\_SKD.IdOPLQuotation and Tb\_MKT\_SKD.IdTb\_MKT\_SKD = OPLAgreement. IdTb\_MKT\_SKD . Otherwise it will be set to ‘0’* | *YES* | *NO* |
| STNK Renewal | *Boolean* | *N/A* | OPLAgreement.STNKRenewal | *STNK Renewal, the value will be set to ‘1’ if there is any value on OPLFinanceCondition.STNKRenewalFee where OPLFinanceCondition.IdOPLCalculation = OPLQuotation.IdOPLCalculation and OPLQuotation.IdOPLQuotation = Tb\_MKT\_SKD.IdOPLQuotation and Tb\_MKT\_SKD.IdTb\_MKT\_SKD = OPLAgreement. IdTb\_MKT\_SKD .Otherwise it will be set to ‘0’* | *NO* | *YES* |
| STNK Renewal Date Schedule | *DateTime* | *N/A* | OPLAgreement.STNKRenewalDate | *Format screen “MM/dd/yyyy”* | *YES* | *NO* |
| KEUR Renewal | *Boolean* | *N/A* | OPLAgreement.KEURRenewal | *KEUR Renewal, the value will be set to ‘1’ if there is any value on OPLFinanceCondition.KEURRenewalFee where OPLFinanceCondition.IdOPLCalculation = OPLQuotation.IdOPLCalculation and OPLQuotation.IdOPLQuotation = Tb\_MKT\_SKD.IdOPLQuotation and Tb\_MKT\_SKD.IdTb\_MKT\_SKD = OPLAgreement. IdTb\_MKT\_SKD .Otherwise it will be set to ‘0’* | *NO* | *YES* |
| KEUR Renewal Date Schedule | *DateTime* | *N/A* | OPLAgreement.KEURRenewalDate |  | *YES* | *NO* |
| Break Dawn Contract | *Boolean* | *N/A* | OPLAgreement.BreakDawnContract |  | *YES* | *NO* |
| Break Dawn Remarks | *Varchar* | *200* | OPLAgreement.BreakDawnRemarks |  | *YES* | *NO* |
| Replacement Unit | *Boolean* | *N/A* | OPLAgreement.ReplacementUnit | *Replacement Unit, the value will be set to ‘1’ if there is any value on OPLFinanceCondition.ReplacementCarAmount where OPLFinanceCondition.IdOPLCalculation = OPLQuotation.IdOPLCalculation and OPLQuotation.IdOPLQuotation = Tb\_MKT\_SKD.IdOPLQuotation and Tb\_MKT\_SKD.IdTb\_MKT\_SKD = OPLAgreement. IdTb\_MKT\_SKD .Otherwise it will be set to ‘0’* | *YES* | *NO* |
| Replacement Unit Remarks | *Varchar* | *200* | OPLAgreement.ReplacementUnitRemarks |  | *YES* | *NO* |
| Monthly Installment Amount | *Decimal* | *18,3* | OPLAgreement.MonthlyInstallmentAmount | *From OPLCalculation.MonthlyInstallmentAmount where OPLCalculation.IdOPLCalculation = OPLQuotation.IdOPLCalculation and OPLQuotation.IdOPLQuotation = Tb\_MKT\_SKD.IdOPLQuotation and Tb\_MKT\_SKD.IdTb\_MKT\_SKD = OPLAgreement. IdTb\_MKT\_SKD* | *YES* | *NO* |
| Delivery Unit Location | *Varchar* | *Max* | OPLAgreement.DeliveryUnitLocation |  | *NO* | *YES* |
| Return Unit Location | *Varchar* | *Max* | OPLAgreement.ReturnUnitLocation |  | *NO* | *YES* |
| Notes | *Varchar* | *100* | OPLAgreement.Notes |  | *YES* | *NO* |
| *IsDelete* | *Boolean* | *N/A* | OPLAgreement.IsDelete |  | *NO* | *YES* |
| *RemarksSys* | *Varchar* | *100* | OPLAgreement.RemarksSys |  | *NO* | *YES* |
| *IdTb\_OPL\_Status* | *Integer* | *N/A* | OPLAgreement.IdTb\_OPL\_Status |  | *YES* | *NO* |
| CreatedDate | *DateTime* | *N/A* | OPLAgreement.CreatedDate |  | *NO* | *YES* |
| CreatedBy | *Varchar* | *50* | OPLAgreement.CreatedBy |  | *NO* | *YES* |
| LastModified | *DateTime* | *N/A* | OPLAgreement.LastModified |  | *YES* | *NO* |
| LastModifiedBy | *Varchar* | *50* | OPLAgreement.LastModifiedBy |  | *YES* | *NO* |

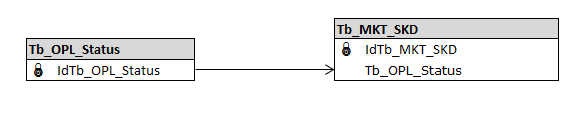
**OPLAgreementDetails**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *Field Name* | *Data Type* | *Length* | *Source* | *Remarks* | *Nullable* | *Mandatory* |
| *IdOPLAgreementDetails* | *Integer* | *N/A* | OPLAgreementDetails.IdOPLAgreementDetails | ***Primary Key*** | *NO* | *YES* |
| *IdOPLAgreement* | *Integer* | *N/A* | OPLAgreementDetails.IdOPLAgreement | ***Foreign Key,*** *has relation with OPLAgreement.IdOPLAgreement* | *NO* | *YES* |
| *IdTb\_MKT\_SKD\_Dtl* | *Integer* | *N/A* | OPLAgreementDetails.IdTb\_MKT\_SKD\_Dtl | ***Foreign Key,*** *has relation with Tb\_MKT\_SKD\_Dtl.IdTb\_MKT\_SKD\_Dtl* | *YES* | *NO* |
| *IdProduct* | *Integer* | *N/A* | OPLAgreementDetails.IdProduct | ***Foreign Key****, has relation with Product.IdProduct* | *NO* | *YES* |
| Name | *Integer* | *N/A* | OPLAgreementDetails.Name | *From Tb\_MKT\_SKD\_Dtl.Name where OPLAgreementDetails.IdTb\_MKT\_SKD\_Dtl = Tb\_MKT\_SKD\_Dtl. IdTb\_MKT\_SKD\_Dtl* | *YES* | *NO* |
| Type | *Integer* | *N/A* | OPLAgreementDetails.Type | *From Tb\_MKT\_SKD\_Dtl.Type where OPLAgreementDetails.IdTb\_MKT\_SKD\_Dtl = Tb\_MKT\_SKD\_Dtl. IdTb\_MKT\_SKD\_Dtl* | *YES* | *NO* |
| *IdSupplier* | *Integer* | *N/A* | OPLAgreementDetails.IdSupplier | ***Foreign Key****, has relation with Supplier.IdSupplier* | *NO* | *YES* |
| Qty | *Integer* | *N/A* | OPLAgreementDetails.Qty |  | *NO* | *YES* |
| *IsDelete* | *Boolean* | *N/A* | OPLAgreement.IsDelete |  | *NO* | *YES* |
| *RemarksSys* | *Varchar* | *100* | OPLAgreement.RemarksSys |  | *NO* | *YES* |
| *CreatedDate* | *DateTime* | *N/A* | OPLAgreementDetails.CreatedDate |  | *NO* | *YES* |
| *CreatedBy* | *Varchar* | *50* | OPLAgreementDetails.CreatedBy |  | *NO* | *YES* |
| *LastModifiedDate* | *DateTime* | *N/A* | OPLAgreementDetails.LastModifiedDate |  | *YES* | *NO* |
| *LastModifiedBy* | *Varchar* | *50* | OPLAgreementDetails.LastModifiedBy |  | *YES* | *NO* |

**OPLUObjectLease**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| *Field Name* | *Data Type* | *Length* | *Source* | *Remarks* | *Nullable* | *Mandatory* |
| *IdUObjectLease* | *Integer* | *N/A* | OPLUObjectLease.IdUObjectLease | ***Primary Key*** | *NO* | *YES* |
| *IdOPLAgreement* | *Integer* | *N/A* | OPLUObjectLease.IdOPLAgreement | ***Foreign Key****, has relation with OPLAgreement.IdOPLAgreement* | *NO* | *YES* |
| *IdUnit* | *Integer* | *N/A* | OPLUObjectLease.IdUnit | ***Foreign Key****, has relation with Tb\_OPL\_Unit.IdTb\_OPL\_Unit* | *NO* | *YES* |
| Carroserie/Accessories | *Varchar* | *Max* | OPLUObjectLease.CarroAcce |  | *YES* | *NO* |
| IsDelete | *Boolean* | *N/A* | OPLAgreement.IsDelete |  | *NO* | *YES* |
| RemarksSys | *Varchar* | *100* | OPLAgreement.RemarksSys |  | *NO* | *YES* |
| CreatedDate | *DateTime* | *N/A* | OPLAgreementDetails.CreatedDate |  | *NO* | *YES* |
| CreatedBy | *Varchar* | *50* | OPLAgreementDetails.CreatedBy |  | *NO* | *YES* |
| LastModifiedDate | *DateTime* | *N/A* | OPLAgreementDetails.LastModifiedDate |  | *YES* | *NO* |
| LastModifiedBy | *Varchar* | *50* | OPLAgreementDetails.LastModifiedBy |  | *YES* | *NO* |

* 1. Entity Relationship Diagram

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**APPENDIX**

Configuration Access for OPL Agreement functions:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **User** | **Branch** | **Functions** | | | | |
| **Display List** | **Check** | **Approve** | **Reject** | **Revise** |
| Marketing Officer | One | V |  |  |  |  |
| Area |  |  |  |  |  |
| All |  |  |  |  |  |
| Head of Branch | One | V | V | V | V | V |
| Area |  |  |  |  |  |
| All |  |  |  |  |  |
| Head of Department | One |  |  |  |  |  |
| Area |  |  |  |  |  |
| All | V | V | V | V | V |
| Regional Manager | One |  |  |  |  |  |
| Area | V | V | V | V | V |
| All |  |  |  |  |  |
| Advisor | One |  |  |  |  |  |
| Area |  |  |  |  |  |
| All | V | V | V | V | V |
| Director | One |  |  |  |  |  |
| Area |  |  |  |  |  |
| All | V | V | V | V | V |
| President Director | One |  |  |  |  |  |
| Area |  |  |  |  |  |
| All | V | V | V | V | V |
| Shareholder's Meeting | One |  |  |  |  |  |
| Area |  |  |  |  |  |
| All | V | V | V | V | V |
|  |  |  |  |  |  |  |  |
| **Legend:** |  |  |  |  |  |  |  |
| V = Have the access |  |  |  |  |  |  |  |