Operating Lease Support System Phase-2 Project for

DIPO STAR FINANCE
Solusi Kredit Otomotif Terpercaya

Functional Specification FC.AD.1.3 Monitoring and Print Unit Receiving Report

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Revision 1.0

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Project Name :	Operating Lease Support System Phase-2

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Date	Revision	Description	Author
13/11/2015	0.0	Initialization	Windy
16/12/2015	0.1	QCO Review: - Revise text field into field text (page 11) - Adding description sorting data list (page 12)	Windy
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Document Approval

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

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Functional Specification

1 Introduction

1.1 Purpose

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

1.2 Scope

Functional Specification Document contains screen design, screen functionality, process flow, and data structure of AD.1.2. Manage Receiving and Delivery Unit.

Here are the scope for AD.1.2 Manage Receiving and Delivery Unit:

1. **AD.1.2.23 Display List of Vehicle/ Unit Receipt**

   To view list of vehicle/ unit that already received by DSF from Supplier and unit that already delivered to Customer

2. **AD.1.2.24 Print Vehicle/ Unit Receipt Report**

   Print Vehicle/ Unit Receipt Report monthly

   Output from this functions is:

   1. RPT.AD.1.2 Unit Receipt Report

1.3 Definition, Acronyms, and Abbreviations

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

1.4 References

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

1. AD.1.2 Manage Receiving and Delivery Unit

2 Configuration

N/A

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3 Specification Detail: FC.AD.1.3 Monitoring and Print Unit receiving Report

3.1 Purpose

This process includes monitoring Unit that already receive by DSF from Supplier and already delivered to Customer. Includes process to print unit receipt data from system to be monthly report that will be checked by HOD OPL or HOP. Outputs of the process is Unit Receive Report.

This function covered by "**Monitoring Unit Preparation**" screen.

3.2 Screen of Configuration Access

Here are the access right for "**Monitoring Unit Preparation**" screen users:

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

Legend: V = Have the access

Note:
1. Read: related to read display data unit/ vehicle receipt
2. Print: related to print unit/ vehicle receipt report
3. Authorization: related to access related to access screen monitoring unit preparation – Actual Receiving Unit tab
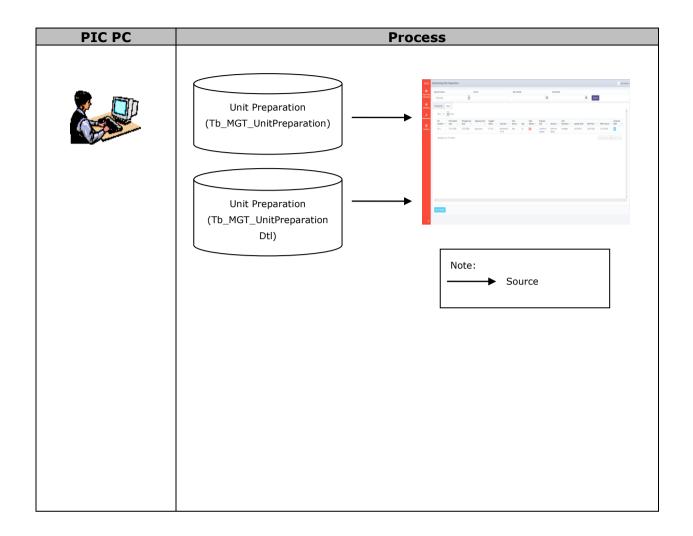
3.3 Screen Functionality

1. Display List of Vehicle/ Unit Receipt
2. Print Vehicle/Unit Receipt Report

3.4 Operation Flow
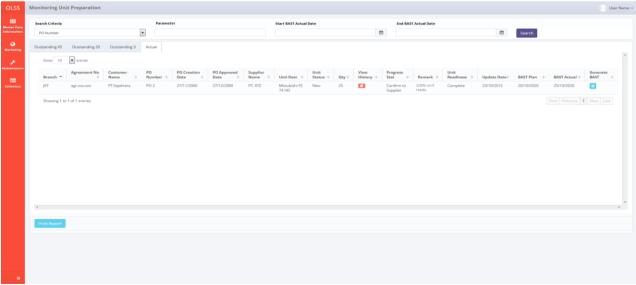
Below is operation flow for Monitoring and print unit preparation process refer to **To Be Design Document Unit/ Vehicle Management**, AD.1.2. Manage Receiving and Delivery Unit:

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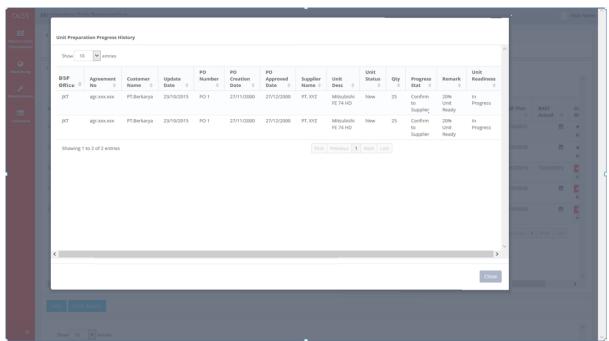| PIC PC	Process

3.5 Screen Design

- *Initial Screen Monitoring Unit Preparation*

Screen 1. Monitoring Unit Preparation – Actual Receiving Unit

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Screen 2. Unit Preparation Progress History

- *Confirmation Pop Up*

   N/A

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

3.6 Component Screen Functionality

a. Monitoring Unit Preparation – Actual Receiving Unit
Here are the screen functions from each component in **Screen 2. Monitor Unit Preparation – Actual Receiving Unit**:

No	Component	Name	Function
Header			
1	Label	Monitoring Unit Preparation	Monitoring Unit Preparation title
Search Criteria			
2	Drop down box	Search Criteria	To select category for searching unit preparation data
3	Text box	Parameter	To input parameter for searching unit preparation data
4	Date Picker	Start BAST Actual Date	To input start period based on update date when print unit preparation data report
5	Date Picker	End BAST Actual Date	To input end period based on update date when print unit preparation data report
6	Button	Search	To search preparation unit data based on selected criteria
List of Actual Unit			

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7	Drop down	Show Entries	To select number of row data that will be displayed in one screen (paging)
8	Button	Sort	To sort data on table list of Unit Preparation ascending and descending
9	Label	DSF Office	To display DSF Office code of PO
10	Label	Agreement No	To display Agreement No
11	Label	Customer Name	To display Customer Name
12	Label	PO Number	To display PO number that already approved by Supplier
13	Label	PO Creation Date	To display PO creation date
14	Label	PO Approved Date	To display PO approval date
15	Label	Supplier Name	To display Supplier name
16	Label	Unit Description	To display unit purchased
17	Label	Unit Status	To display lease category (new or used)
18	Label	Qty	To display quantity of unit purchased
19	Button	View History	To display history of unit preparation progress (*refer to Screen 2 Detail Unit Preparation Progress History)*
20	Label	Progress Status	To display latest progress status of unit preparation
21	Label	Remark	To display latest remark of unit preparation supplier
22	Label	Unit Readiness	To display latest unit readiness status; complete
23	Label	Update Date	To display last update date of unit preparation progress status
24	Label	BAST Plan	To view BAST plan date
25	Label	BAST Actual	To view BAST actual date
26	Button	View BAST	To view BAST Supplier or BAST DSF to Customer
27	Label	Showing 1 to *n* of *n* entries	Display the entries generated by search engine
28	Link	First Page	To show the first page entry
29	Link	Previous Page	To show the previous page entry
30	Link	Page Number	To show the page screen according the number
31	Link	Next Page	To show the next page entry
32	Link	Last Page	To show the last page entry
Footer			
33	Button	Print report	To print unit receipt report

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b. Detail Unit Preparation Progress History

Here are the screen functions from each component in **Screen 2. Unit Preparation Progress History**:

List of Unit Preparation Progress History			
1	Drop down	Show Entries	To select number of row data that will be displayed in one screen (paging)
2	Label	DSF Office	To display DSF Office code of PO
3	Label	Agreement No	To display Agreement No
4	Label	Customer Name	To display Customer Name
5	Label	Update Date	To display update date of unit preparation progress status
6	Label	PO Number	To display PO number that already approved by Supplier
7	Label	PO Creation Date	To display PO creation date
8	Label	PO Approved Date	To display PO approval date
9	Label	Supplier Name	To display Supplier name
10	Label	Unit Description	To display unit purchased
11	Label	Unit Status	To display lease category (new or used)
12	Label	Qty	To display quantity of unit purchased
13	Dropdown	Progress Status	To display progress status of unit preparation
14	Text Field	Remark	To input progress status of unit preparation supplier
15	Dropdown	Unit Radiness	To input unit readiness status; complete, in progress, and no progress
16	Label	Showing 1 to *n* of *n* entries	Display the entries generated by search engine
17	Link	First Page	To show the first page entry
18	Link	Previous Page	To show the previous page entry
19	Link	Page Number	To show the page screen according the number
20	Link	Next Page	To show the next page entry
21	Link	Last Page	To show the last page entry
Footer			
22	Button	Close	To close window

3.7 Operation Description

No.	Operation Name	Description
1	Initial view of List Monitoring Unit - Actual Receiving Unit	**The screen for list Monitoring Unit – Actual Receiving Unit:** 1. Component Status; <table><tr><td>Component</td><td>Name/Caption</td><td>Status</td><td>Remark</td></tr><tr><td>Label</td><td>List of Actual Unit</td><td>Active</td><td></td></tr><tr><td>Label</td><td>PO Number</td><td>Active</td><td></td></tr><tr><td>Label</td><td>PO Creation Date</td><td>Active</td><td></td></tr><tr><td>Label</td><td>PO Approved Date</td><td>Active</td><td></td></tr><tr><td>Label</td><td>Supplier Name</td><td>Active</td><td></td></tr><tr><td>Label</td><td>Unit Description</td><td>Active</td><td></td></tr><tr><td>Label</td><td>Unit Status</td><td>Active</td><td></td></tr><tr><td>Label</td><td>Qty</td><td>Active</td><td></td></tr><tr><td>Button</td><td>View History</td><td>Active</td><td></td></tr><tr><td>Label</td><td>Progress Stat</td><td>Active</td><td></td></tr><tr><td>Label</td><td>Remark</td><td>Active</td><td></td></tr><tr><td>Label</td><td>Unit Readiness</td><td>Active</td><td></td></tr><tr><td>Label</td><td>Update Date</td><td>Active</td><td></td></tr><tr><td>Label</td><td>BAST Plan</td><td>Active</td><td></td></tr><tr><td>Label</td><td>BAST Actual</td><td>Active</td><td></td></tr><tr><td>Button</td><td>View BAST</td><td>Active</td><td></td></tr><tr><td>Button</td><td>Print report</td><td>Active</td><td></td></tr></table>
2	Display Monitoring Unit Preparation – Actual Receiving Unit	Input: 1. *Operation Name No. 9 View of Vehicle/ Unit receipt point 1 – 8, on FC.AD.1.2 Generate BAST Unit Receiving and Delivery document* Process: 1. *Operation Name No. 9 View of Vehicle/ Unit receipt point 1 – 2, FC.AD.1.2 Generate BAST Unit Receiving and Delivery document* Output: 1. Display data list of Actual Receiving unit based on selected parameter, Screen *Screen 1. Monitoring Unit Preparation – Actual Receiving Unit* 2. System sort data based on the newest BAST Actual date Alternative: 1. Click Outstanding tab to display outstanding unit (*refer to FC.AD.1.1 Monitoring and Print Preparation Unit*)
3	Print Vehicle/Unit Receipt Report	Input: 1. *Operation Name No. 2 Display Monitoring Unit Preparation – Actual Receiving Unit* 2. Click button Print Report [Print Report] Process: 1. *Operation Name No. 2 Display Monitoring Unit Preparation – Actual*

		Receiving Unit
		2. System will display file Unit Preparation Report in Ms. Excel with file name as below format: Unit Receipt Report_mmddyyyy_hhmm Then user can convert that file into pdf format and save file into selected path Note: mmddyyyy → month,day,year when report printed hhmm → hours, minute when report printed
		<u>Output:</u>
		1. Print out report list **RPT.AD.1.2 Unit Receipt Report**
4	System error message	<u>Process:</u> 1. Any kind of errors outside of application validation or that which cannot be handled by application such as errors when communication with Database, bugs, overloop, etc will generate error message: "System error. Please contact your administrator"
		<u>Output:</u> 1. A page with system error message will appear.

3.8 Data Structure

Tb_MGT_UnitPreparation

Field Name	Data Type	Length	Source	Remarks	Nullable	Mandatory
IdTb_MGT_UnitPrep	*integer*	*n/a*	Tb_MGT_UnitPreparation.IdTb_MGT_UnitPrep	***Primary key***	No	Yes
IdTb_PRO_PODtl	*integer*	*n/a*	Tb_MGT_UnitPreparation.IdTb_PRO_PODtl	***Foreign Key***	No	Yes
IdBranch	*integer*	*n/a*	Tb_MGT_UnitPreparation.IdBranch	***Foreign Key***	No	Yes
BASTPlanDate	*Date*	*n/a*	Tb_MGT_UnitPreparation.BASTPlanDate	*Formula:* Tb_PRO_PO.PODate + Tb_PRO_PO.DlvPeriode *Format on table:* YYYY-MM-DD *Format display on screen:* MM/dd/YYYY	No	Yes
BASTActualDate	*Date*	*n/a*	Tb_MGT_UnitPreparation.BASTActualDate	*Format on table:* YYYY-MM-DD *Format display on*	Yes	No

				screen: MM/dd/YYYY		
BASTTotal	integer	n/a	Tb_MGT_UnitPreparation.BASTTotal	Tb_UnitPreparation.BASTTotal = Tb_PRO_PODtl.Qty	No	Yes
BAST Remaining	integer	n/a	Tb_MGT_UnitPreparation.BASTRemaining	Tb_MGT_UnitPreparation.BASTTotal - Tb_MGT_BASTSupCust.BASTPartial	Yes	No
IsBAST	integer	n/a	Tb_MGT_UnitPreparation.IsBAST	24 = Initial (BAST has not been created) 1 = Draft (BAST already created but has not been submited) 2 = Submit (BAST already submitted)	No	Yes
IdDelete	Boolean	n/a	Tb_MGT_UnitPreparation.IsDelete		No	Yes
RemarkSys	Varchar	100	Tb_MGT_UnitPreparation.RemarkSys		No	Yes

Tb_MGT_UnitPreparationDtl

Field Name	Data Type	Length	Source	Remarks	Nullable	Mandatory
IdTb_MGT_UnitPrepDtl	integer	n/a	Tb_MGT_UnitPreparationLog.IdTb_MGT_UnitPrepDtl	**Primary key**	No	Yes
IdTb_MGT_UnitPrep	integer	n/a	Tb_MGT_UnitPreparation.IdTb_MGT_UnitPrep	**Foreign Key**	No	Yes
ProgressStatus	varchar	30	Tb_MGT_UnitPreparationLog.ProgressStatus		No	Yes
Remark	varchar	100	Tb_MGT_UnitPreparationLog.Remark		No	Yes
UnitReadiness	varchar	20	Tb_MGT_UnitPreparationLog.UnitReadiness		No	Yes
UpdateDate	Date time	n/a	Tb_MGT_UnitPreparationLog.UpdateDate		No	Yes
UpdateBy	Varchar	25	Tb_MGT_UnitPreparation.UpdateBy		No	Yes

IsDelete	Boolean	n/a	Tb_ MGT_UnitPreparation.IsDelete		No	Yes
RemarkSys	Varchar	100	Tb_ MGT_UnitPreparation.RemarkSys		No	Yes

3.9 Screen Item List

RPT.AD.1.2 Unit Receipt Report

No.	Content	Description	Source	Remarks
1	Unit Preparation Monthly Report	Deafult Label	Static	
2	Period	Period Monthly Report	Based on selected Start Date and End Date that already select by User when print Report	*Format display on report: dd/mm/yyyy*
3	Page	Number of Report Page	Automatically count by number of page	*&[page] of &[total page]*
4	Printed By	Printed by	Sys.UserName	User Name is the one who login to system
5	Printed Date	Printed Date	Use date at server when button Print Report is clicked	*Format display on report: MM/dd/YYYY*
6	DSF Office	Branch Short Name	Tb_OPL_Branch.BranchShortName	*Tb_MGT_UnitPreparation.IdTb_PRO_PODtl = Tb_PRO_PODtl.IdTb_PRO_PODtl AND Tb_PRO_PODtl.IdTb_PRO_PODtl = Tb_PRO_PO. IdTb_PRO_PO AND Tb_PRO_PO.IdBranch = Tb_OPL_Branch.IdBranch*
7	Agreement No	Agreement number	OPLAgreement.AgreementNumber	*Where Tb_PRO_PO.IdOPLAgreement = OPLAgreement.IdOPLAgreement*
8	Customer Name	Customer Name	Customer.CustomerName	*Where OPLAgreement.CustomerCode = Customer.CustomerCode*
9	PO number	PO number	Tb_PRO_PO.PONumber	*Where Tb_MGT_UnitPreparation. IdTb_PRO_PODtl = Tb_PRO_PODtl. IdTb_PRO_PODtl AND Tb_PRO_PODtl. IdTb_PRO_PO = Tb_PRO_PO. IdTb_PRO_PO*
10	PO creation date	PO date	Tb_MGT_UnitPreparation.POCreationDat	*Where Tb_MGT_UnitPreparation.*

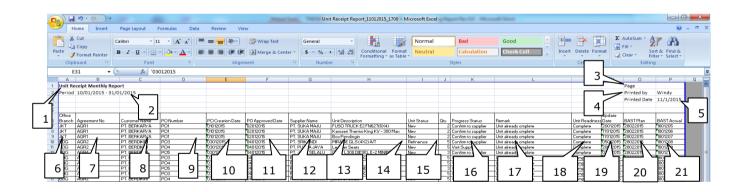|				
			e	*IdTb_PRO_PODtl = Tb_PRO_PODtl. IdTb_PRO_PODtl AND Tb_PRO_PODtl. IdTb_PRO_PO = Tb_PRO_PO. IdTb_PRO_PO* *Format on table: YYYY-MM-DD* *Format display on report: MM/dd/YYYY*
11	PO approved date	PO approval date	Tb_MGT_UnitPreparation.POApprovalDate	*Tb_MGT_UnitPreparation. IdTb_PRO_PODtl = Tb_PRO_PODtl. IdTb_PRO_PODtl AND Tb_PRO_PODtl. IdTb_PRO_PO = Tb_PRO_PO. IdTb_PRO_PO* *Format on table: YYYY-MM-DD* *Format display on report: MM/dd/YYYY*
12	Supplier Name	Supplier Unit, Carrosserie, and Accessories name	Supplier.SupplierName	*Where Tb_PRO_PO.IdSupplier = Supplier.IdSupplier*
13	Unit Description	Unit, Carrosserie, and Accessories name	Product. ModelName	*Where Tb_PRO_PODtl.IdProduct = Product.IdProduct*
			Tb_PRO_PODtl.CarrType	*Tb_MGT_UnitPreparation. IdTb_PRO_PODtl = Tb_PRO_PODtl. IdTb_PRO_PODtl*
			Tb_PRO_PODtl.AccessType	*Tb_MGT_UnitPreparation. IdTb_PRO_PODtl = Tb_PRO_PODtl. IdTb_PRO_PODtl*
14	Unit Status	Status of unit; Refinance, Lease Back, Used Car, New	Tb_MGT_UnitPreparation.UnitStatus	*OPLAgreement.CategoryLease*
15	Qty	Quantity of unit purchased	Tb_PRO_PODtl.Qty	*Where Tb_MGT_UnitPreparation. IdTb_PRO_PODtl = Tb_PRO_PODtl. IdTb_PRO_PODtl*
16	Progress Status	Status progress unit; Confirm to Supplier, Visit Supplier	Tb_MGT_UnitPreparationDtl.ProgressStatus	*Tb_MGT_UnitPreparationDtl.IdTb_MGT_UnitPrep = _MGT_UnitPreparation.IdTb_MGT_UnitPrep*
17	Remark	Remark update unit preparation progress status	Tb_MGT_UnitPreparationDtl.Remark	*Tb_MGT_UnitPreparationDtl.IdTb_MGT_UnitPrep = _MGT_UnitPreparation.IdTb_MGT_UnitPrep*
18	Unit Readiness	Status readiness of unit; No progress, In complete, complete	Tb_MGT_UnitPreparationDtl.UnitReadiness	*Tb_MGT_UnitPreparationDtl.IdTb_MGT_UnitPrep = _MGT_UnitPreparation.IdTb_MGT_UnitPrep*
19	Update Date	Update date unit preparation progress status	Tb_MGT_UnitPreparationDtl.UpdateDate	*Where Tb_MGT_UnitPreparationDtl.IdTb_MGT_UnitPrep = _MGT_UnitPreparation.IdTb_MGT_UnitPrep* *Format on table: YYYY-MM-DD*

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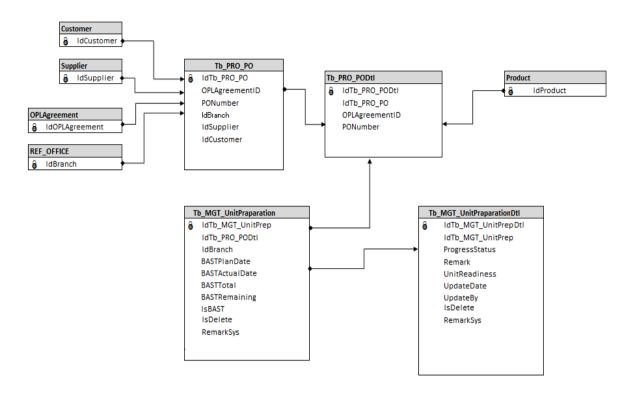|				Format display on report: MM/dd/YYYY
20	BAST Plan Date	BAST plan date	Tb_MGT_UnitPreparation. BASTPlanDate	*Where Tb_MGT_UnitPreparationDtl.IdTb_MGT_UnitPrep = _MGT_UnitPreparation.IdTb_MGT_UnitPrep* *Format on table: YYYY-MM-DD* *Format display on report: MM/dd/YYYY*
21	BAST Actual Date	BAST actual date	Tb_UnitPreparation. BASTActualDate	*Where Tb_MGT_UnitPreparationDtl.IdTb_MGT_UnitPrep = _MGT_UnitPreparation.IdTb_MGT_UnitPrep* *Format on table: YYYY-MM-DD* *Format display on report: MM/dd/YYYY*

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

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3.10 Entity Relationship Diagram

APPENDIX

Configuration Access for Monitoring and Print Unit Receiving Report:

User	DSF Office	Functions					
		Display List	Create	Edit	View	Print Form	Print Report
PIC OPL HO/Branch	One	V					V
	Area						
	All						
Marketing Officer	One	V					V
	Area						
	All						
Head of Branch	One	V					V
	Area						
	All						
Head of Department	One						
	Area						
	All	V					V
Regional Manager	One						
	Area	V					V
	All						
Advisor	One						
	Area						
	All	V					V

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Director	One						
	Area						
	All	V					V
President Director	One						
	Area						
	All	V					V
Shareholder's Meeting	One						
	Area						
	All	V					V

Legend:
V = Have the access