



openwayacademy

WAY4 POS Product



1. System Infrastructure for Acquiring Operations

2. Acquiring Module Functions

- ❖ POS Type Setup

- ❖ Contract Type

- ❖ Accounting Scheme

- ❖ Service Package

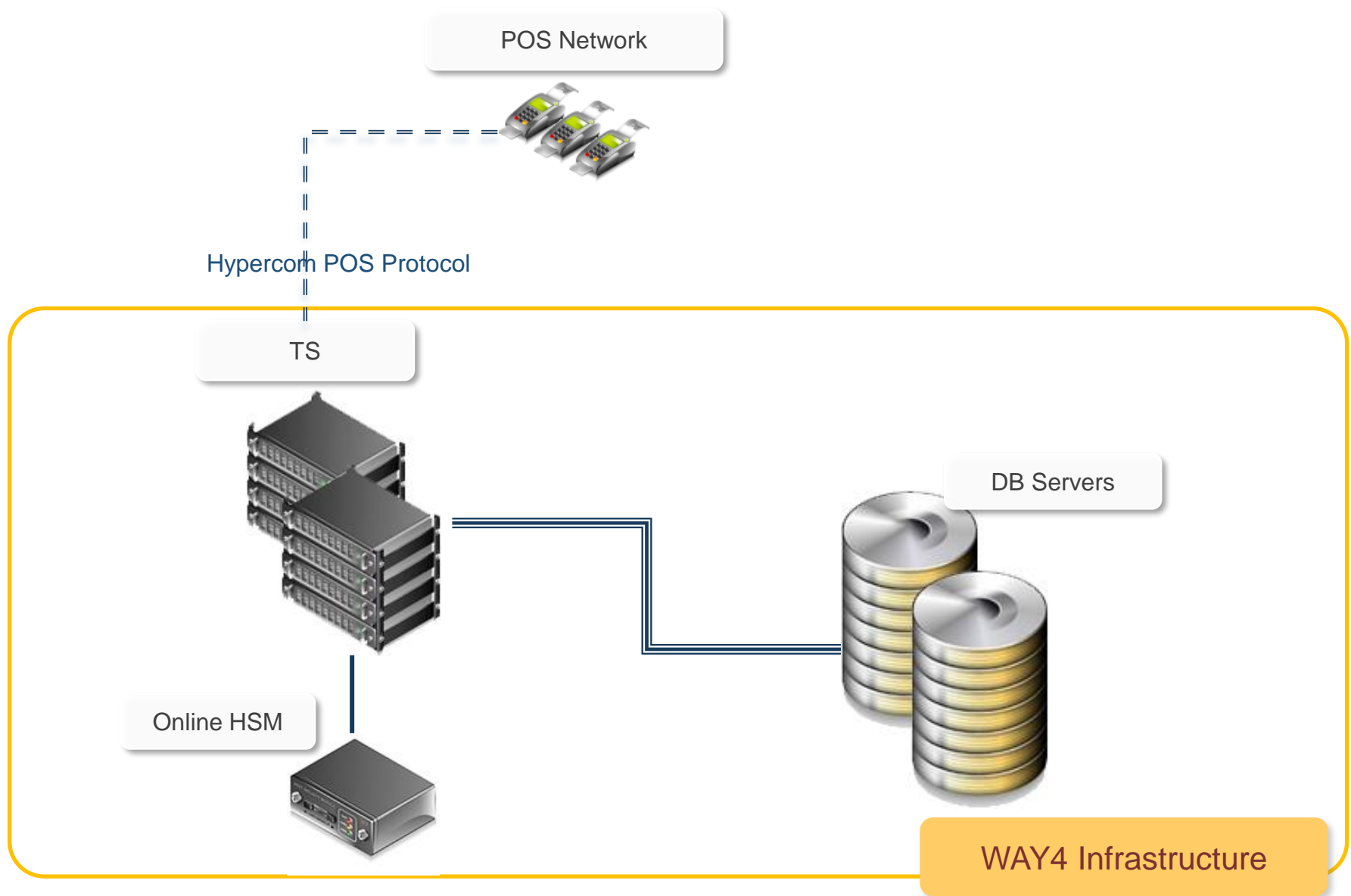
System Infrastructure for POS ACQ



- POS Retail
- Bank Cash
- Balance Inquiry
- PIN Change



WAY4 Infrastructure for POS Network



POS Acquiring Module Functions

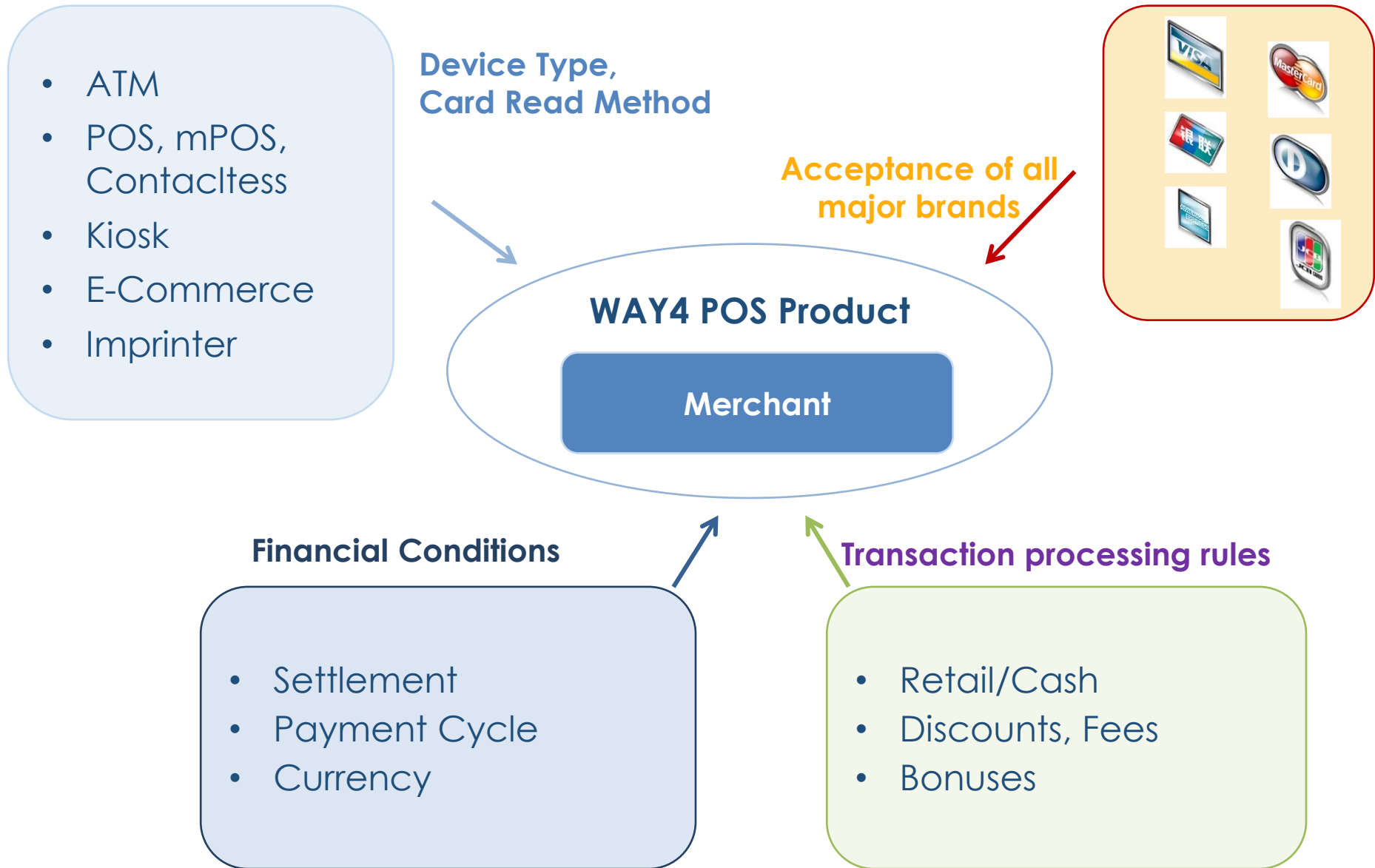


Acquiring Module Functions

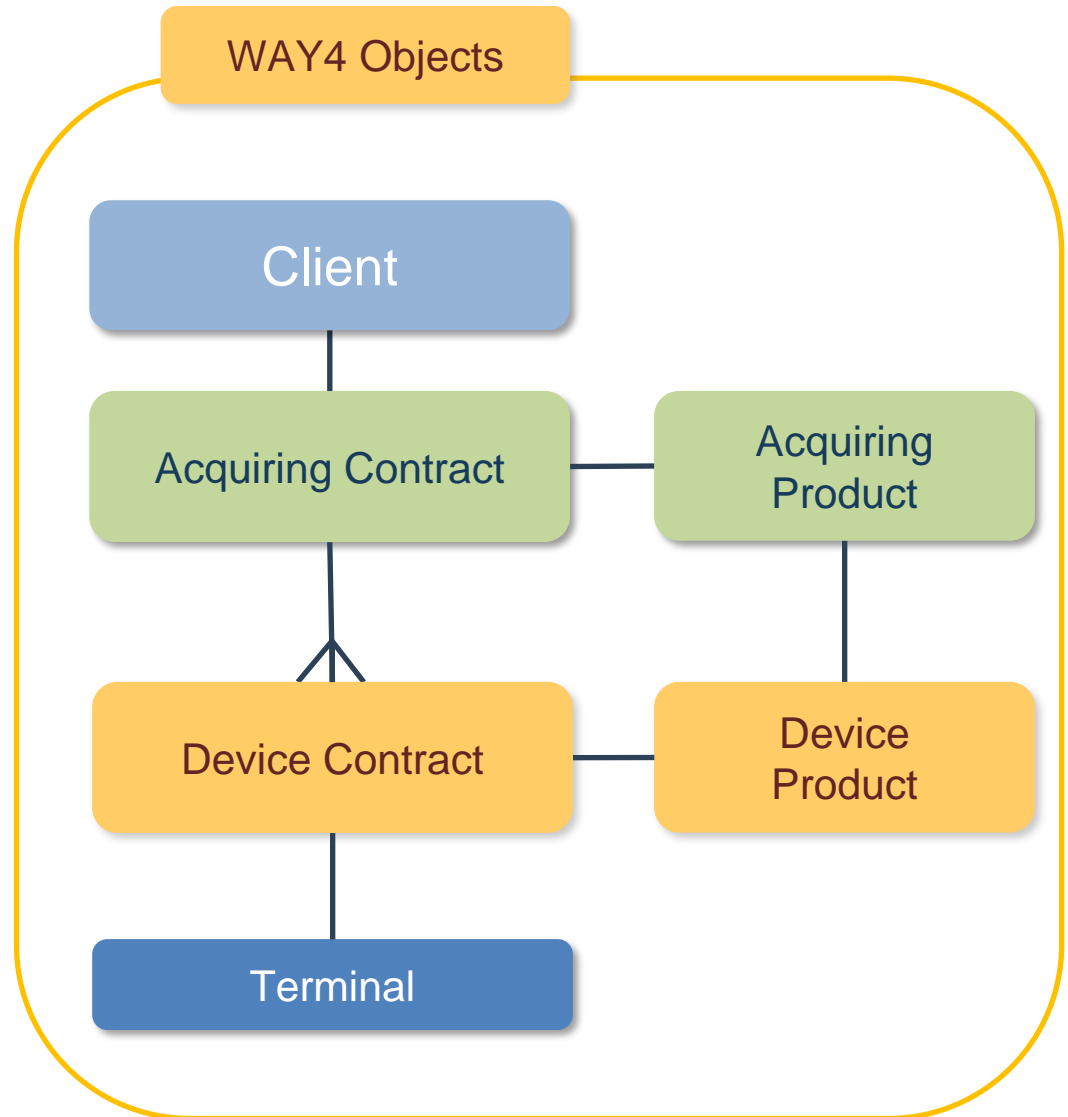
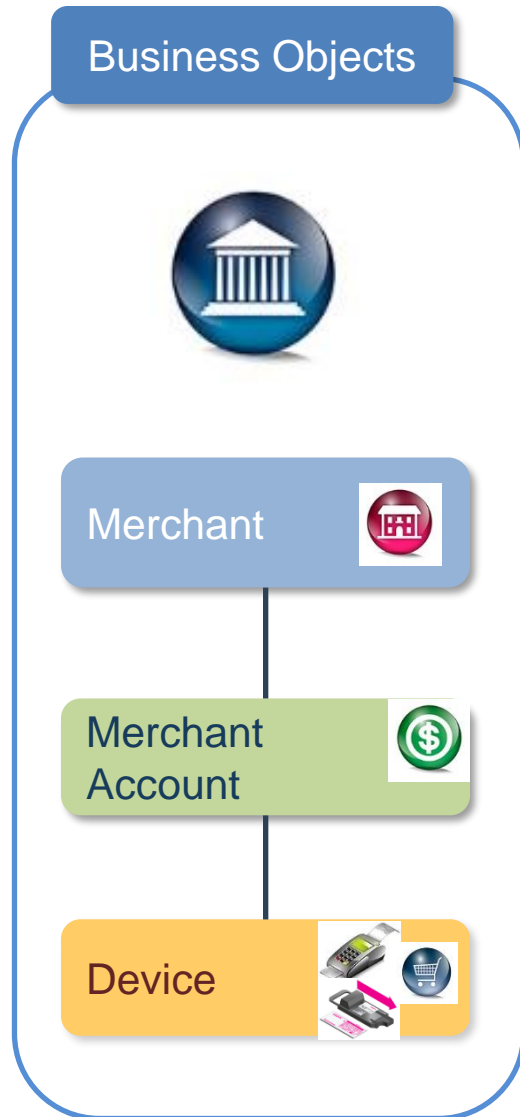
The WAY4™ acquiring module *is used to enter and process client and contract data needed by the acquirer to work with merchants and bank offices and to perform client service operations*



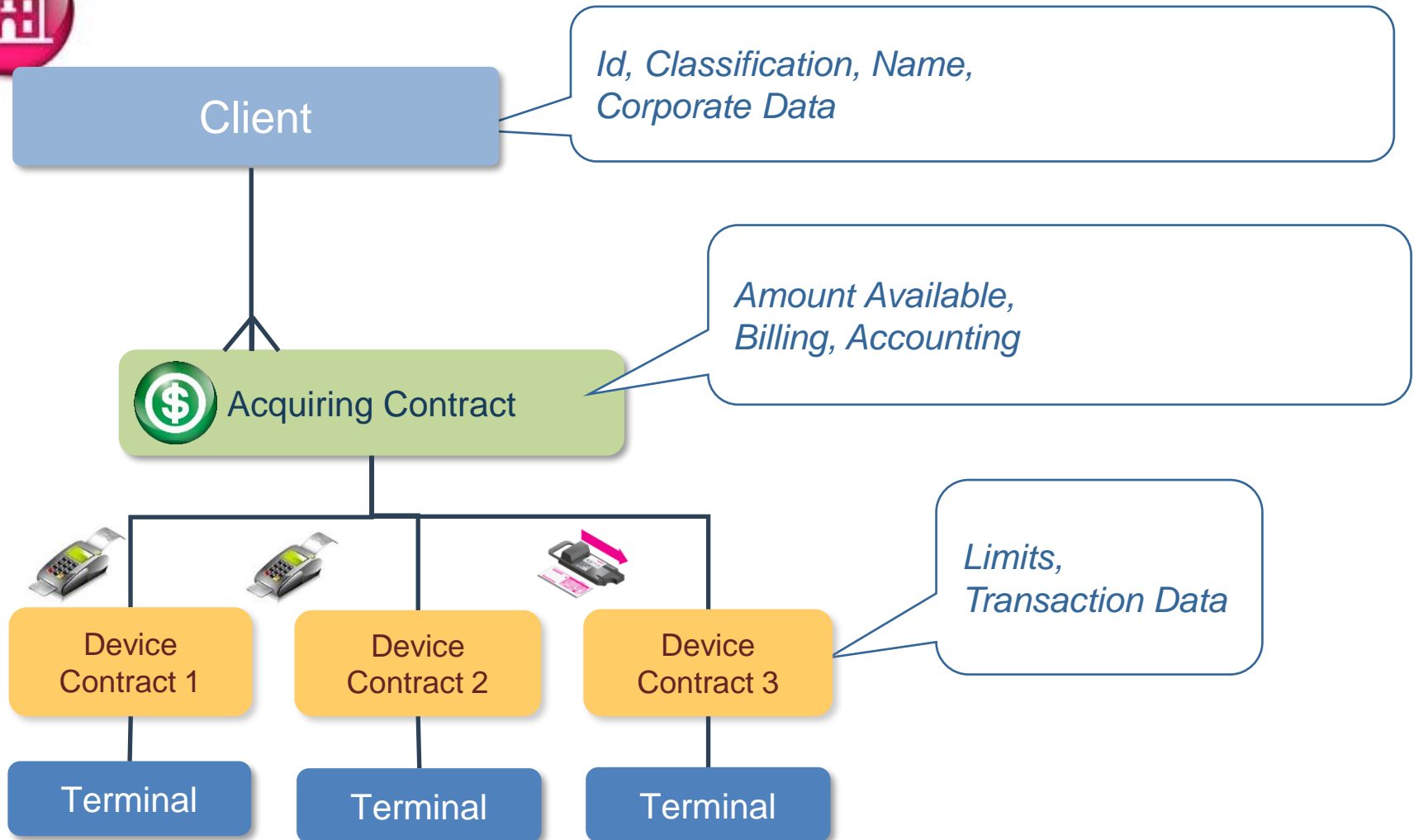
Acquiring Module Structure



Acquiring Module Objects



Acquiring Module Objects



ROOT\OpenWay\Full\Configuration Setup\Merchant Device Setup\POS Types

Batch Upload option enable/disable

	Code	Name	Brand	Model	Protocol	Capture Period (days)	All Ops	Hotel Operation Mode	Incr Adj	Batch Upd	B...	Reconciliation
	OCBBANK_HYPERCOM	OCB BANK HYPERCOM	HYPERCOM		Hypercom Native	30	Yes	Single Auth - Single Compl	Yes	Yes	0	Automatic

Protocol name used to interact with Way4

Reconciliation mode "Automatic" – adjustment documents for automatic processing are generated

list of tags affecting the processing of data received from POS

Strong Counters	Mac Type	Key Hierarchy	Key Idt Scheme	Transaction Attributes	Special Configuration	AutoRepeat/Reversal Time	Repeat Time (min)
No	Hexadecimal				MPD:0000010000800704;VPD:05;DEV:100032000AH011040;TSEC:0;	0	0

Contract Type

Account

ROOT\OpenWay\Full\Configuration Setup\Contract Types\Accounting Contract Types

Accounting Contract Types			
	Name	Channel	RBS Code
▶	Client Account	Internal	CA
2	Bank Account	Internal	BA
3	Nostro	Internal	NS

SubTypes for Client Account <Filtered*>											
	Institution	Client	Name	Is Active	Prefix	Min #	Max #	Current #	Numeration Type	RBS Code	Channel
▶	ORIENT COMMERCIAL BANK	Commercial	Merchant Client Account Contract	Yes	001-MER-	00000000	99999999		Random	CA-e	Internal

Client Category

Rule for POS Acquiring Contract
Number generation

Device

ROOT\OpenWay\Full\Configuration Setup\Contract Types\Device Contract Types

Device Contract Types <Filtered*>			
	Name	Channel	RBS Code
▶	OCB POSs	Our POS	PO

SubTypes for OCB POSs <Filtered*>											
	Institution	Client	Name ▲	Is Active	Prefix	Min #	Max #	Current #	Numeration Type	RBS Code	Channel
▶	ORIENT COMMERCIAL BANK	Commercial	OCB POS Device Contr	Yes	001	00000	99999		Random	O-C	Our POS

Client Category

Rule for POS Device Contract
Number (Terminal ID – TID)
generation

Acquiring Accounting Scheme

ROOT\OpenWay\Full\Configuration Setup\Products\Acquiring Products\Acquiring Account Schemes

Acquiring Account Schemes <Filtered*>

	1	Scheme Name	Currency	Interval	Length	Interest Contract	Parent Scheme	Used For	Code	Is Ready
		POS Acc Scheme Standard	VND	Day	1			Product	MR	Ready

Definition for POS Acc Scheme Standard <Filtered*>

	1	Curr	Account Type	Account Name	Extra Bal T...	GL type	GL Number	Aggregate GL For	2	Priority	Ageing Priority	Is Ready
		VND	Merchant Receivable	Merchant Receivable			000000000100088			0	0	Ready
	2	VND	Merchant Current	Merchant Current			000000000100088			0	0	Ready

GL Number configuration

Ageing for POS Acc Scheme Standard <Filtered*>

	Curr	Account Name	Int Rate	Due Type	Period	Due Template	Repaym %	Min Repaym	Min Rq Repaym	Is Ready
	VND	Merchant Receivable	0.00	Value Date Due	0	Merchant Current	0.00	0.00	0.00	Ready

Device Service Package

ROOT\OpenWay\Full\Configuration Setup\Products\Acquiring Products\Device Service Packs

Main Service Packages:

Device Service Packs <Filtered*>							
	2 Name ▼	Contract Type	Parent Pack	1 For Contracts▼	Use Default	Code	Fee Contract
▶	OCB POS Retail VND Dev Svr	OCB POSs		Product	For Dispute	CAPR-L	MERCHANT_DISCOUNT
2	OCB POS Retail USD Dev Svr	OCB POSs		Product	For Dispute	CAPR-U	MERCHANT_DISCOUNT
3	OCB POS Cash VND Dev Svr	OCB POSs		Product	For Dispute	CAPC-L	MERCHANT_DISCOUNT
4	OCB POS Cash USD Dev Svr	OCB POSs		Product	For Dispute	CAPC-U	MERCHANT_DISCOUNT
5	OCB Imprinter Retail USD +Local	OCB Imprinter		Product	For Dispute	CAIR-UL	MERCHANT_DISCOUNT
6	OCB Imprinter Cash USD +Local	OCB Imprinter		Product	For Dispute	CAIC-L	MERCHANT_DISCOUNT
7	001-POS Unique USD +Local	OCB POSs		Product	For Dispute	CAPU-UL	MERCHANT_DISCOUNT
8	001-POS Unique USD	OCB POSs		Product	For Dispute	CAPU-U	MERCHANT_DISCOUNT
9	001-POS Unique Local	OCB POSs		Product	For Dispute	CAPU-L	MERCHANT_DISCOUNT
10	001-POS Retail USD +Local	OCB POSs		Product	For Dispute	CAPR-UL	MERCHANT_DISCOUNT
11	001-POS Cash USD +Local	OCB POSs		Product	For Dispute	CAPC-UL	MERCHANT_DISCOUNT
12	001-Imprinter Unique USD +Local	OCB Imprinter		Product	For Dispute	CAIU-UL	MERCHANT_DISCOUNT
13	001-Imprinter Unique USD	OCB Imprinter		Product	For Dispute	CAIU-U	MERCHANT_DISCOUNT
14	001-Imprinter Unique Local	OCB Imprinter		Product	For Dispute	CAIU-L	MERCHANT_DISCOUNT
15	001-Imprinter Retail USD	OCB Imprinter		Product	For Dispute	CAIR-U	MERCHANT_DISCOUNT
16	001-Imprinter Retail Local	OCB Imprinter		Product	For Dispute	CAIR-L	MERCHANT_DISCOUNT

Device Service Package

Additional Service Package:

Device Service Packs <Filtered*>									
	2 Name	Contract Type	Parent Pack	1 For Contracts	Use Default	Code	Fee Contract	Special Parms	Is Ready
	OCB POS Retail VND Dev Svr	OCB POSs		Product	For Dispute	CAPR-L	MERCHANT_DISCOUNT		Ready

<div><div><div></div><div></div><div></div><div></div><div></div><div></div></div><div>Approve Approve All</div><div><div>Details</div><div>Misc</div><div>Source</div><div>Target</div><div>Additional</div><div>Usage</div><div>Messages</div><div>Events</div><div>Preferred</div><div>Tariffs</div></div></div>									
Additional for OCB POS Retail VND Dev Svr									
	Priority	Add Pack	Is Ready	Active by Default					
	1	001-Add Card Country Restriction POS	Ready	No					

Device Service Package

Service support:

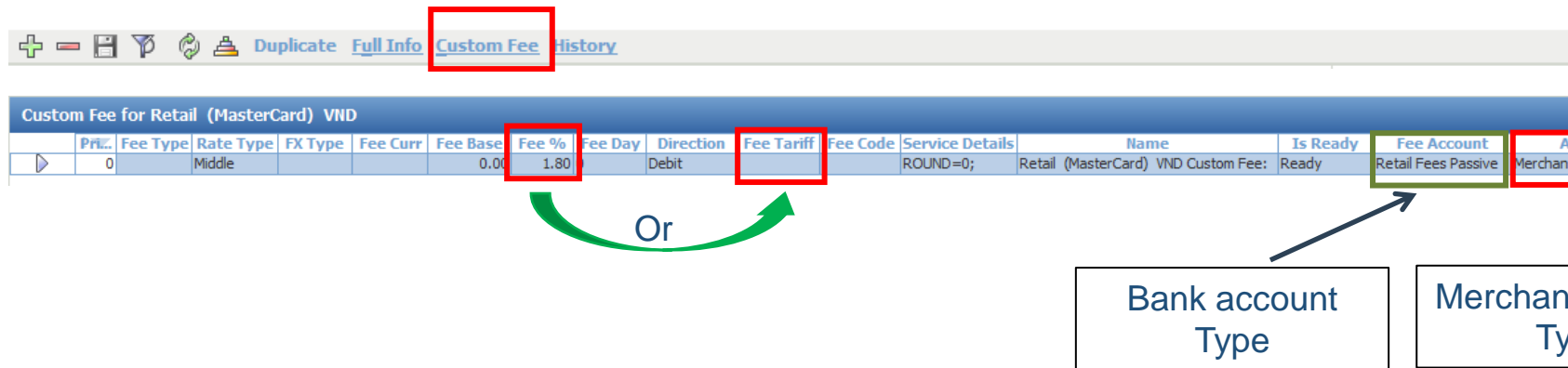
Source for OCB POS Retail VND Dev Svr

	2	Target Type ▲	Transaction Type	Currency	Rate Type	Fee Dir	Fee Curr	Base	%	Min	Increase %	Value Days	Is...	N...	Fee Code	Account Type	Fee Account
1		MasterCard	Credit	VND	Middle	Credit		0.00	0.00	0.00	0.00	0	...	...		Merchant Receivable	Retail Fees Passive
2		MasterCard	Retail	VND	Middle	Debit		0.00	0.00	0.00	0.00	0	...	...		Merchant Receivable	Retail Fees Passive
3		NAPAS Cards	Balance Inquiry	VND	Middle	None		0.00	0.00	0.00	0.00	0	...	B...		Merchant Receivable	Retail Fees Passive
4		NAPAS Cards	Retail	VND	Middle	Debit		0.00	0.00	0.00	0.00	0	...	...		Merchant Receivable	Retail Fees Passive
5		OCB JCB Cards	Retail	VND	Middle	Debit		0.00	0.00	0.00	0.00	0	...	...		Merchant Receivable	Retail Fees Passive
6		OCB Local Cards	Credit	VND	Middle	Credit		0.00	0.00	0.00	0.00	0	...	...		Merchant Receivable	Retail Fees Passive
7		OCB Local Cards	Retail	VND	Middle	Debit		0.00	0.00	0.00	0.00	0	...	...		Merchant Receivable	Retail Fees Passive
8		OCB MasterCard Cards	Credit	VND	Middle	Credit		0.00	0.00	0.00	0.00	0	...	...		Merchant Receivable	Retail Fees Passive
9		OCB MasterCard Cards	Retail	VND	Middle	Debit		0.00	0.00	0.00	0.00	0	...	...		Merchant Receivable	Retail Fees Passive
10		MasterCard	Balance Inquiry		Middle	None		0.00	0.00	0.00	0.00	0	...	B...		Merchant Receivable	Retail Fees Passive
11		NAPAS Cards	Change PIN		Middle	None		0.00	0.00	0.00	0.00	0	...	...		Merchant Receivable	Retail Fees Passive
12		OCB JCB Cards	Balance Inquiry		Middle	None		0.00	0.00	0.00	0.00	0	...	B...		Merchant Receivable	Retail Fees Passive
13		OCB JCB Cards	Change PIN		Middle	None		0.00	0.00	0.00	0.00	0	...	...		Merchant Receivable	Retail Fees Passive
14		OCB JCB Cards	Credit		Middle	Credit		0.00	0.00	0.00	0.00	0	...	...		Merchant Receivable	Retail Fees Passive
15		OCB Local Cards	Balance Inquiry		Middle	None		0.00	0.00	0.00	0.00	0	...	B...		Merchant Receivable	Retail Fees Passive
16		OCB Local Cards	Change PIN		Middle	None		0.00	0.00	0.00	0.00	0	...	...		Merchant Receivable	Retail Fees Passive
17		OCB MasterCard Cards	Balance Inquiry		Middle	None		0.00	0.00	0.00	0.00	0	...	B...		Merchant Receivable	Retail Fees Passive
▶		OCB MasterCard Cards	Change PIN		Middle	None		0.00	0.00	0.00	0.00	0	...	...		Merchant Receivable	Retail Fees Passive
19		OCB POSS	P2P CH Header		Middle	None		0.00	0.00	0.00	0.00	0	...	P...		Merchant Receivable	Retail Fees Passive

Device Service Package

Merchant Discount Rate:

	2	Target Type	Transaction Type	Currency	Rate Type	Fee Dir	Fee Curr	Base	%	Min	Increase %	Value Days	Is...	N...	Fee Code
1		MasterCard	Credit	VND	Middle	Credit		0.00	0.00	0.00	0.00	0	...	...
		MasterCard	Retail	VND	Middle	Debit		0.00	0.00	0.00	0.00	0	...	...
3		NAPAS Cards	Balance Inquiry	VND	Middle	None		0.00	0.00	0.00	0.00	0	...	B...	
4		NAPAS Cards	Retail	VND	Middle	Debit		0.00	0.00	0.00	0.00	0	...	...
5		OCB JCB Cards	Retail	VND	Middle	Debit		0.00	0.00	0.00	0.00	0	...	...
6		OCB Local Cards	Credit	VND	Middle	Credit		0.00	0.00	0.00	0.00	0	...	...
7		OCB Local Cards	Retail	VND	Middle	Debit		0.00	0.00	0.00	0.00	0	...	...
8		OCB MasterCard Cards	Credit	VND	Middle	Credit		0.00	0.00	0.00	0.00	0	...	...
9		OCB MasterCard Cards	Retail	VND	Middle	Debit		0.00	0.00	0.00	0.00	0	...	...
10		MasterCard	Balance Inquiry		Middle	None		0.00	0.00	0.00	0.00	0	...	B...	
11		NAPAS Cards	Change PIN		Middle	None		0.00	0.00	0.00	0.00	0	...	...
12		OCB JCB Cards	Balance Inquiry		Middle	None		0.00	0.00	0.00	0.00	0	...	B...	
13		OCB JCB Cards	Change PIN		Middle	None		0.00	0.00	0.00	0.00	0	...	...
14		OCB JCB Cards	Credit		Middle	Credit		0.00	0.00	0.00	0.00	0	...	...
15		OCB Local Cards	Balance Inquiry		Middle	None		0.00	0.00	0.00	0.00	0	...	B...	
16		OCB Local Cards	Change PIN		Middle	None		0.00	0.00	0.00	0.00	0	...	...
17		OCB MasterCard Cards	Balance Inquiry		Middle	None		0.00	0.00	0.00	0.00	0	...	B...	
18		OCB MasterCard Cards	Change PIN		Middle	None		0.00	0.00	0.00	0.00	0	...	...
19		OCB POSs	P2P CH Header		Middle	None		0.00	0.00	0.00	0.00	0	...	P...	



Device Service Package – Tariff Support

Tariff Module:

ROOT\OpenWay\Tariffs\Tariff Data Input By Domain Tree







Tariff Data Input By Domain Tree				
	1	Name	Code	Apply Rules
▶		Acquiring POS Product	ACQ_POS_PRD	
2		Default	DEFAULT	
3		Issuing Credit Card	OCB_ISS_CRD_TRFDM	
4		Issuing Credit Card (New)	OCB_ISS_CRD_TRFDM_NEW	
5		Issuing Debit Card	OCB_ISS_DEB_TRFDM	
6		Issuing Prepaid Card	OCB_ISS_PRE_TRFDM	

Device Service Package – Tariff Support

Sub Domain:

Sub Domains for Acquiring POS Product				
	1 Name ▲	Code	Parent Domain	Apply
1	POS Cash Product	POS_CASH_PRD	Acquiring POS Product	
▶	POS Retail Product	POS_RETAIL_PRD	Acquiring POS Product	

Sub Domains for POS Retail Product				
	1 Name ▲	Code	Parent Domain	Apply
▶	POS Retail Standard	POS_RT_STD	POS Retail Product	



Tariff

Preferred

Sub Domains

Tariff for POS Retail Standard					
	2 Tariff Domain ▲	1 Tariff Role ▼	Tariff Type	Name	If Limit Tariff
▶	POS Retail Standard	Service	MDR POS SALE for Banknetvn	MDR POS SALE for BNK Cards	
2	POS Retail Standard	Service	MDR POS SALE for MasterCard	MDR POS SALE for MC Cards	
3	POS Retail Standard	Service	MDR POS SALE for ONUS Local	MDR POS SALE for ONUS Local Cards	
4	POS Retail Standard	Service	MDR POS SALE for ONUS MasterCard	MDR POS SALE for ONUS MasterCard Cards	

Device Service Package – Tariff Support

Tariff Data:

Tariff for POS Retail Standard							
	2 Tariff Domain ▲	1 Tariff Role ▼	Tariff Type	Name	If Limit Tariff	If Preference Type	If Currency
1	POS Retail Standard	Service	MDR POS SALE for Banknetvn	MDR POS SALE for BNK Cards			
▶	POS Retail Standard	Service	MDR POS SALE for MasterCard	MDR POS SALE for MC Cards			
3	POS Retail Standard	Service	MDR POS SALE for ONUS Local	MDR POS SALE for ONUS Local Cards			
4	POS Retail Standard	Service	MDR POS SALE for ONUS MasterCard	MDR POS SALE for ONUS MasterCard Cards			

Approve...

Fee Data

Fee Data for MDR POS SALE for MC Cards

	1 Start Date▼	FX Rate Type	Currency	Fee Min	Fee Max	Fee Base	Fee Rate Pcnt	Incr Pcnt	Apply Mode	Is Ready
▶	1/18/2016	Middle	VND	0.00	0.00	0.00	2.000000	0.000	From Tariff	Ready

Device Service Package – Tariff Support

Register Tariff Domain to Service

Device Service Packs

	2 Name	Contract Type	Parent Pack	1 For Contracts	Use Default	Code	Fee Contract	Special Parm	Is Ready
	OCB POS Retail VND Dev Svr	OCB POSs		Product	For Dispute	CAPR-L	MERCHANT_DISCOUNT		Ready

Details for OCB POS Retail VND Dev Svr

General

Name

OCB POS Retail VND Dev Svr

Code

CAPR-L

Use For Acnt

Product

Parent Pack

Base Pack

Tariff Domain

POS Retail Standard

PIN Tries

Ext PIN Resp

Allowable number of PIN tries

On US PIN Resp

Allowable number of PIN tries

Def PIN Tries

3

Risk Scheme

Chip Scheme

Special Parm

Device Service Package

Restriction Countries Condition:

▶	001-Add Card Country Restriction POS	OCB POSs		Additional	For Dispute	ACCRP	MERCHANT_DISCOUNT		Ready
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1

2

Approve

Approve All

Details

Misc

Source

Target

Additional

Usage

Messages

Events

Preferred

Tariffs

Usage for 001-Add Card Country Restriction POS

Usage Code	Usage Type	SIC Group	Channel	Operation	Period	Period Type	Usage Event	Fee Type	Max #	Max
POS_COUNTRY_R	Transactions				1	Day	Response		0	

1

Details for Usage

Conditions

Channel

Area

Trans Type

Service

Max Trans Amount

Trans Condition

Contra FI

Preference Type

SIC Group

Serv Group Code

Min Trans Amount

Inverse Conditions

Hierarchy

Parent Usage

Exclude from Parent

Balance Type

For Max Amount

For Current Amount

Threshold Calculation

Algorithm

Cycles

Tariff

Action

Event Type

Custom RC

Usage Fee

Spc Params


2

Preferred for 001-Add Card Country Restriction POS

Preference Type	Code	Is Active	Date From	Date To	Area	SIC	Contra FI	Contra Type
Canada Card Only		Yes			MC: Canada (A)		ORIENT COMMERCIAL B...	MasterCard

Acquiring POS Product

Product Groups <Filtered*>			
	Product Category	Name	Code
▶	Acquiring	Acquiring Retail	ACQRET



Products for Acquiring Retail <Filtered*>											
	Institution	Client	Product	Contract	Product Group	Name	Acc Scheme	T...	Is Ready	Pr...	Report Type
▶	ORIENT COMMERCIAL B...	Commercial	Acquiring	Account	Acquiring Retail	POS Merchant	POS Acc Scheme Standard		Ready	Merchant Client Account Contract	Acq Commercial Account Svr

Subs for POS Merchant										
	Name	Contract	Contr Subtype	Service Pack	Auth Sc	Code	Report Type	Product Group	Is Ready	
1	POS Cash USD	Device	OCB POS Device Contr	OCB POS Cash USD Dev Svr	See main	APCUSD001	Merchant Default	Acquiring Retail	Ready	
2	POS Retail USD	Device	OCB POS Device Contr	OCB POS Retail USD Dev Svr	See main	APRUSD001	Merchant Default	Acquiring Retail	Ready	
▶	POS Cash VND	Device	OCB POS Device Contr	OCB POS Cash VND Dev Svr	See main	APCVND001	Merchant Default	Acquiring Retail	Ready	
4	POS Retail VND	Device	OCB POS Device Contr	OCB POS Retail VND Dev Svr	See main	APSVND001	Merchant Default	Acquiring Retail	Ready	

- <OW_HOME>\manuals\english\Acquiring\User_manuals\Acquiring_Module.pdf
- <OW_HOME>\manuals\english\product_management*.pdf

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