

ASEAN LINK

BMB ON-BOARDING CHECKLIST FOR PARTICIPATING BROKER

1 Introduction

1.1 Background

ASEAN Trading Link is a technology infrastructure provided by the participating ASEAN Exchanges which allows investors from one market to trade securities listed in another market.

Following the announcement made by the ASEAN CEOs on 17 Nov 2011, the ASEAN Link will be rolled out progressively. The first stage will see the launch of ASEAN Link between Singapore Exchange(SGX) and Bursa Malaysia(BMB) in June 2012, thereafter with Stock Exchange of Thailand(SET) in August 2012.

The participation dates of the other ASEAN Exchanges collaboration members, namely, Hanoi Stock Exchange (HSE), HoChiMinh Stock Exchange (HOSE), Indonesia Stock Exchange (IDX) and The Philippines Stock Exchange(PSE) will be announced at a future date.

1.2 Objective

The objective of this document is to provide the Malaysian brokers (both SB and OBs) a step by step guide on how to on-board to trade in ASEAN Trading Link.

1.3 Definitions

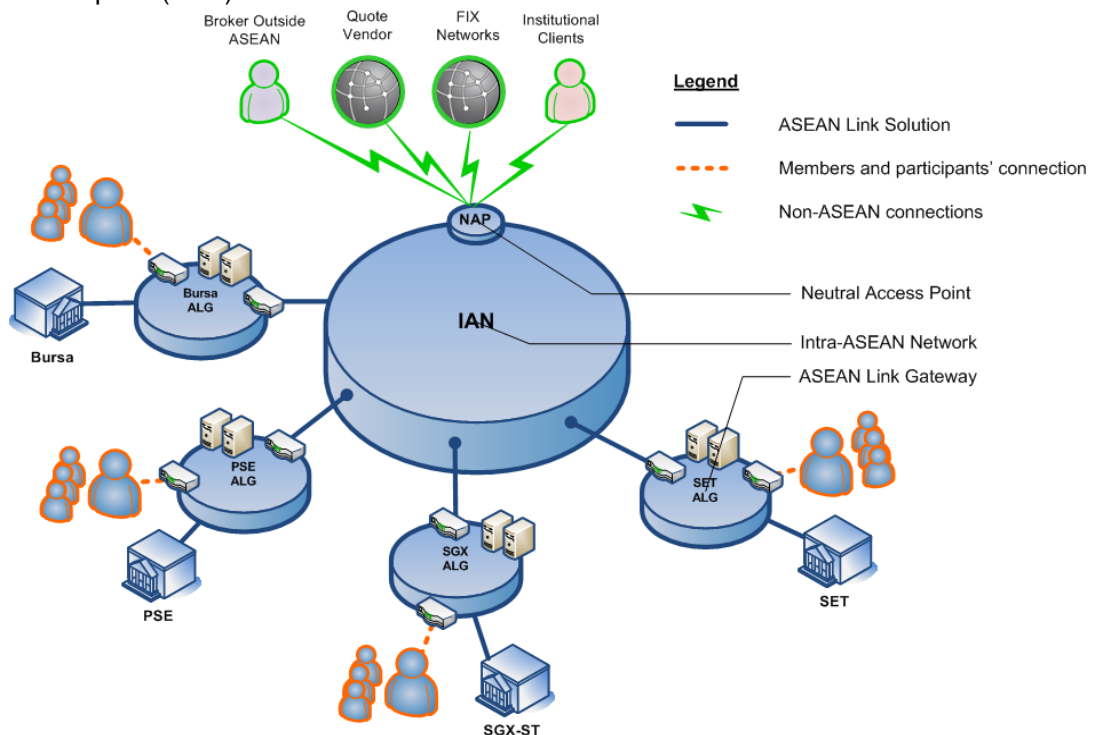
Participating Exchanges	SGX, BMB and SET for the 1 st and 2 nd stages and HSE, HOSE, IDX, PSE at a later stage.
Originating Broker (OB)	Broker sending orders to execute in any of the other Participating Exchanges.
Sponsoring Broker (SB)	Broker sponsoring the trades of the Originating Broker.
Originating Exchange (OE)	The exchange where Originating Broker is a member
Executing Exchange (EE)	The exchange where orders are executed
Originating ASEAN Link Gateway (O-ALG)	Name given to ASEAN Trading Link Gateway when used as an Originating Exchange gateway
Executing ASEAN Link Gateway (E-ALG)	Name given to the ASEAN Trading Link Gateway when used as an Executing Exchange gateway
Participating Agreement (PA)	Agreement for participation in the ASEAN Link
Market Data License Agreement (MDLA)	Agreement to be signed with the individual exchanges for the distribution and/or redistribution of market data
Support Agreement (SA)	Support Agreement to be signed between broker and SunGard for the support of Valdi Trader and Valdi Selector Manager
Valdi Selector Manager (VSM)	SunGard Risk Management application provided together with the ASEAN Link Solution
Valdi Trader (VT)	SunGard OMS application provided for the first 18 months of the ASEAN Link solution on a complimentary basis
Broker Back Office System (BOS)	Broker Back Office System
SunGard Global Trading (SGT)	Vendor providing the ASEAN Link solution.

1.4 Targeted audience

Brokers	Both Originating and Sponsoring Brokers from Malaysia
Exchanges	Participating Exchanges
SunGard	Vendor providing the ASEAN Trading Link solution

2 Overview of ASEAN Link Solution

The following diagram provides an overview of the ASEAN Link architecture. There will be a gateway (ASEAN Link Gateway – ALG) located at each participating exchange for local members to connect and trade in the ASEAN Link. Additionally, there will also be a neutral access point (NAP) for non-ASEAN members and clients to connect and trade into ASEAN.



3 Checklist for Sponsoring Broker

No	Description	Check
1.	Find one or more OB(s) from any Participating Exchanges	
2.	Sign Participation Agreement with Bursa	
3.	Open a CDS account for your OB. If you wish to use this account as a default account, fill up this CDS account number in the Bursa Access Form. If not, pass the CDS account number to your OB. Your OB should setup this CDS account number in Valdi Trader. Refer to the step No 8.	
4.	Submit Application for Bursa Access Form to Bursa	
5.	Ensure that your internal systems are ready to: <ol style="list-style-type: none"> support range of post-trade functions required to service Originating Broker who trade in ASEAN Link, which covers processing of EOD (End-of-day) trade export file, issuance of contracts, client settlement, and custodian services such as share 	

	<p>holding, corporate action, etc.</p> <p>b) generate the Risk import file if you wish to upload risk parameters to ASEAN Link Gateway (ALG) from your internal system.</p> <p>c) process feed adapter to receive real time Drop Copy from ALG if you choose to subscribe to the Drop Copy.</p> <p><i>Note that you may certify your risk import file, drop copy and trade export file in SGT cert environment. For details for the certification process, please contact SGT directly.</i></p>	
6.	Obtain User ID and password for Valdi Selector Manager from SGT	
7.	Login to Valdi Selector Manager, authorize your OB to trade into Bursa Malaysia market and setup risk limit for your OB. <i>Refer to section 3.1 for the screen shot.</i>	
8.	If default account is not provided to the Exchange via the Bursa Access Form, ensure that your OB setup the CDS account in Valdi Trader before the connectivity test (<i>refer to section 3.2 for details of how your foreign OB can setup the CDS account in Valdi Trader.</i>).	
9.	Participate in the connectivity test with your OB(s) to ensure that your OB is able to login and route order to Bursa Malaysia. <i>You may contact SGT directly to arrange for the connectivity test.</i>	

4 Checklist for Originating Broker

No	Description	Check
1.	Find one or more SB from the Participating Exchanges	
2.	Sign Participation Agreement with Bursa	
3.	Ensure readiness of :- a) Hardware for Valdi Trader (if you are using Exchange provided ASEAN Link OMS) b) Hardware for Valdi Selector Manager c) Infrastructure (if you need to upgrade your current WAN)	
4.	Ensure that your internal systems are ready to: a) support range of post-trade functions required to service your clients who trade in ASEAN Link, which covers processing of EOD (End-of-day) trade export file, issuance of contracts, client settlement, and custodian services such as share holding, corporate action, etc. b) generate the Risk import file if you wish to upload risk parameters to ASEAN Link Gateway (ALG) from your internal system. c) process feed adapter to receive real time Drop Copy from ALG if you choose to subscribe to the Drop Copy. Note that you may certify your risk import file, drop copy and trade export file in SGT cert environment. For details for the certification process, please contact SGT directly.	
5.	Certify your OMS if you are using your own OMS. A copy of the FIX and FIX FAST specifications can be obtained from Bursa Malaysia Website/ASEAN Exchanges.	
6.	Obtain the User ID and password for Valdi Trader from SGT if you are using Valdi Trader from Exchange provided solution.	
7.	Obtain User ID and password for Valdi Selector Manager from SGT	
8.	Arrange for connectivity test with SGT	
9.	Ensure that your SB(s) has signed the participating agreement with the Executing Exchange and has obtained necessary approval for access to the Executing market.	
10.	Ensure that you have obtained the necessary client account information from your SB and setup in Valdi Trader. Check with your SB(s) if you are not sure.	
11.	Authorize your clients to trade into the foreign market (e.g. SGX, etc.). Refer to section 3.1 for the steps.	
12.	Participate in the connectivity test with your SB(s) to ensure that you are able to login and route order to the designated Exchange. You may contact SGT directly to arrange for the connectivity test.	

5 Valdi Selector Manager Setup

5.1 Authorize trading into Relevant Market(s) and Setup Risk Limit

The screenshot shows the 'Global' configuration window for Valdi Selector Manager. It includes tabs for 'General', 'Alerts', 'Instruments', and 'Specifics'. The 'General' tab is active, showing various configuration options. Three callout boxes provide the following explanations:

- Enabled Filter Type:** Points to the 'Filter Type' dropdown menu, which is currently set to 'Enabled'.
- Optional field to set limit amount of orders from clients:** Points to the 'Long' and 'Short' fields in the 'Capital' section, both of which are set to '10,000'.
- Tick to authorize the relevant market(s):** Points to the 'Authorized Places/Markets' list, where 'SGK (2)' is checked and circled.

5.2 Setup CDS Account in Valdi Trader (for foreign OB)

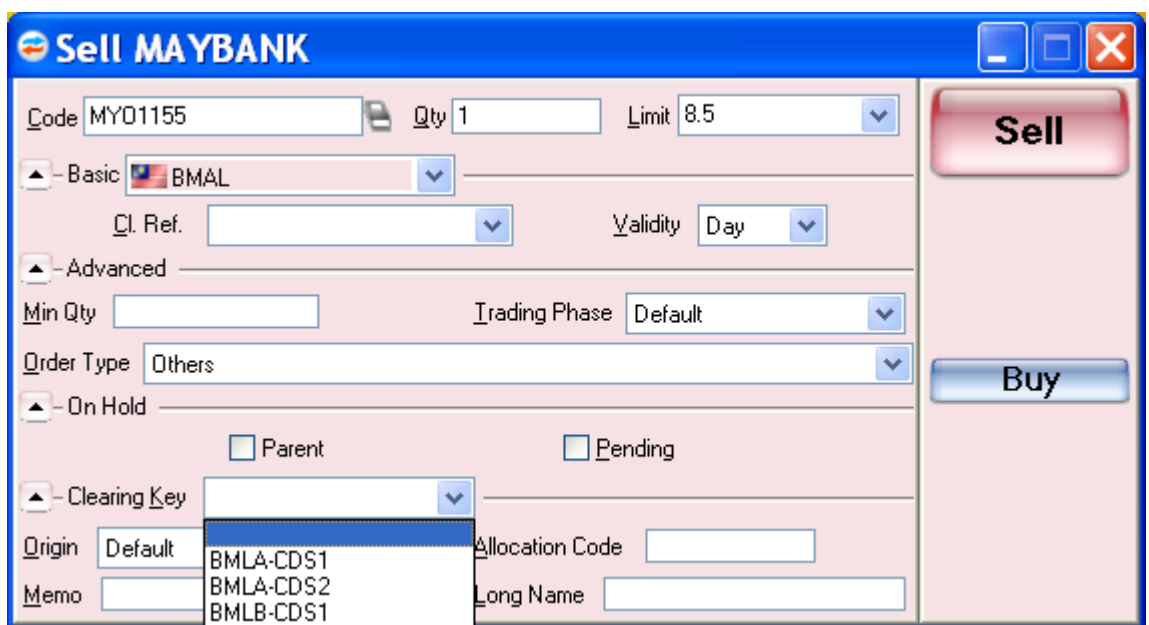
5.2.1 Setup the Clearing Key

Note that a Clearing Key should be setup to record the Long Name field. (The last **9 digits** of the CDS number communicated by your SB should be entered into this field.



5.2.2 Order Entry Screen – select the Clearing Key

Once the Clearing Key is setup as per 5.2.1, a drop down list will be available at the order entry screen as follows. Trader can then select the CDS account from the Clearing Key drop down list while entering order.



+/-	Flag	↑Hour	Uid	B/S	Qty	Symb	Name	Price	QRem	QExe	Cl. Ref.	Valid	St	SSt	Ref	N'CTE	ClDate	LongName	FIX ClO
→		04:16:38	1070	S	1	MYO1155 BMAL	MAYBANK	8.600	1		BMLA-CDS-1	Day	OK		05150002	1CmF30000501155	15/05/12 12:16:37	000502096	
→		04:15:43	1070	S	1	MYO1155 BMAL	MAYBANK	8.500	1		BMLA-CDS-1	Day	RJ		05150001	N001035	15/05/12 12:15:43	000001966	
→		04:10:22	1070	B	1	MYO1155 BMAL	MAYBANK	8.000	1		BMLB-CDS-2	Day	OK		05150004	1CmF30000401155	15/05/12 12:10:22	000001933	
→		04:09:52	1070	B	1	MYO1155 BMAL	MAYBANK	8.090	1		BMLB-CDS-1	Day	OK		05150003	1CmF30000301155	15/05/12 12:09:52	000001966	
→		04:09:18	1070	B	1	MYO1155 BMAL	MAYBANK	8.100	1		BML2	Day	OK		05150002	1CmF30000201155	15/05/12 12:09:18	000000968	

6 Contact Information

Contact information for on-boarding

Organization	Subject	Contact details
SGT	Certification of ASEAN FIX (OMS), Drop Copy, FIX/FAST(Market Data), Risk Import Files and Trade Export File	Vincent On (for BMB market) Vincent.ON@sungard.com +65 6308 8241
BMB	On-boarding process	BursaAccess@bursamalaysia.com Sufian@bursamalaysia.com +603 2034 7242
SET	On-boarding process	aseanpm@set.or.th Warong@set.or.th +662 229 2317 Prapoj@set.or.th +662 229 2247
SGX	On-boarding process	tradingaccess@sgx.com kang@sgx.com +65 6236 8453

Contact guideline and information for connectivity test

Issues related to network or Valdi Trader	Contact the Originating Exchange Service/Help Desk
Issues related to trading functions	Contact the Executing Exchange Service/Help Desk
Issues related to Valdi Selector Manager or any other issues	Contact SunGard helpdesk

SGX	+65-6236-8400	
BMB	+603-2026 5099	customerservice@bursamalaysia.com
SunGard	+65 6308 8222	GLT.SIN.ServiceDesk@sungard.com

7 Password policy for Valdi Trader and Valdi Selector Manager

1. Change of password mandatory at expiry
2. Password will be initially expired.
3. Password expires after 90 days.
4. The new password must be at least 10 characters
5. The new password must be different from last 10
6. At least 1 digit
7. At least one letter (lower or upper case)
8. At least one special character [\$@#!?()*/*/:;<=>^_-'~.,] (excluding the square brackets)

If you start the gllauncher again, you should be prompted with the change password option again.