ASX Clear (Futures) Margin Simulator for ASX Australian Energy Futures & Options

Quick Guide

ASX

Contents

Introduction

ASX Clear (Futures) Margin Simulator is a web based system that provides initial margin simulation capabilities across cleared and custom Exchange Traded Derivative (ETD) and Over the Counter (OTC) portfolios.

This Quick Guide provides instructions for the use of the margin simulator for ASX's ETD clients trading in Australian energy contracts as facilitated by specifically created Demo Futures Trader simulation accounts – also referred to as DFT accounts.

# Accessing ASX Clear (Futures) Margin Simulator

Logins and certificates

To access ASX Clear (Futures) Margin Simulator using a DFT account you must first contact ASX and request the username, password and certificate for one of our DFT environments. The Margin Simulator is only workable in the Microsoft Edge browser in IE compatability mode. Please see Appendix A for instructions.

To be issued access to a DFT account please send an email request to: cts@asx.com.au

Logging in

Once you have received your username and password and installed the digital certificate using the instructions provided, you can access the simulator by following the below steps;

1. Open a browser and navigate to https://asxmos.connect.asxonline.com

2. Enter ASX Online login details.

3. Select the Single Sign On certificate to proceed.

4. If authentication is successful, the application selection page will appear.

5. Click Margin Simulator to access ASX Clear (Futures) Margin Simulator on the below page
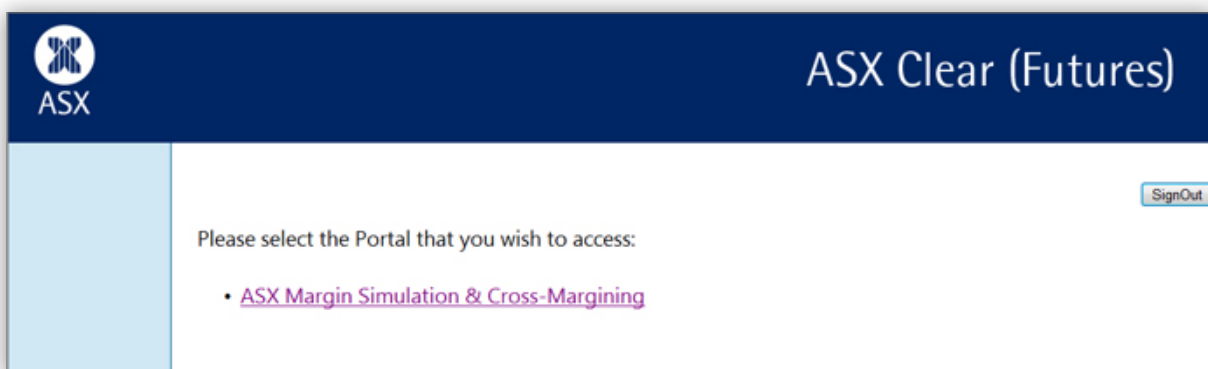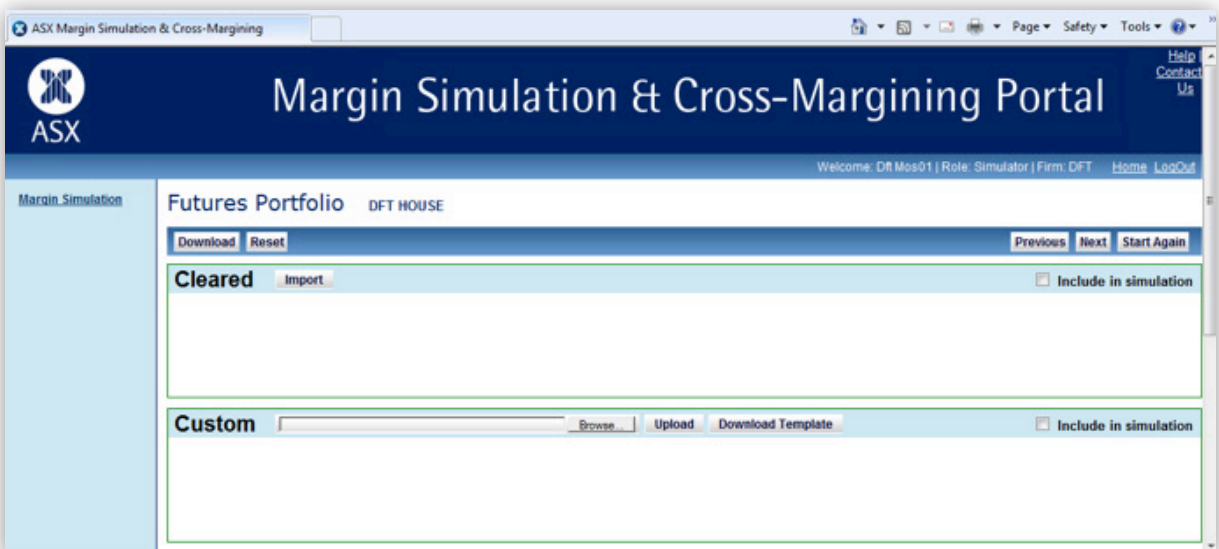
6. When the screen below appears click Next.
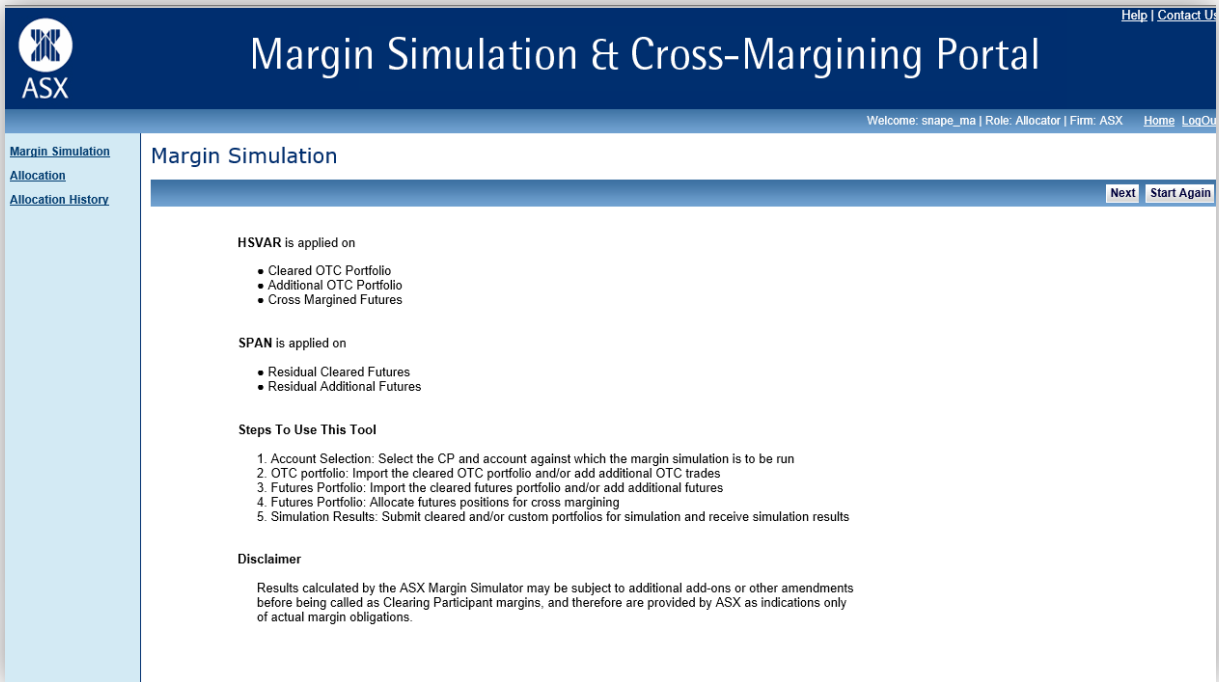
7. When the below Account selection screen appears ensure the CP=DFT and the Account=House. Then click Next.
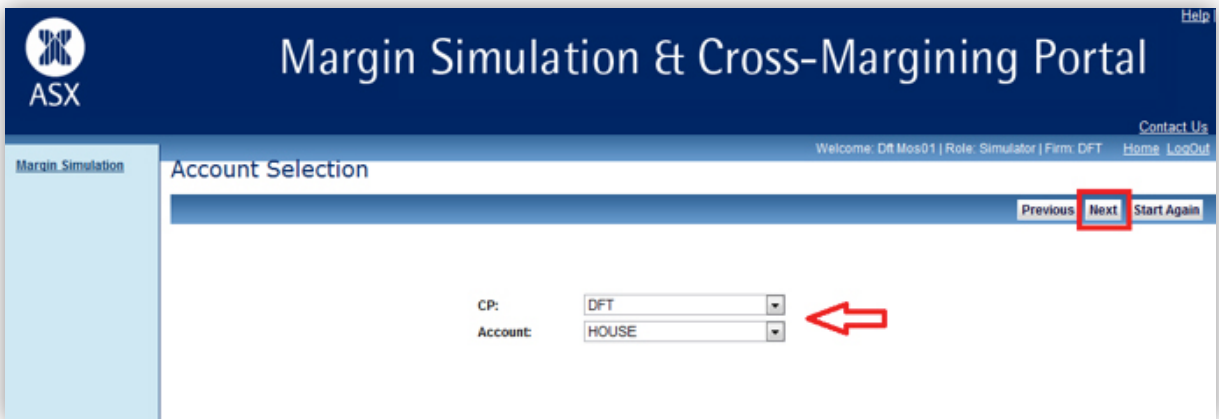
8. This will bring you to the portfolio entry screen of the simulator below

Margin Simulation Eligible Energy Contract Codes

The following table lists the energy instrument codes that are eligible for margin simulation. Please note that all options over the below eligible futures contracts are also available for simulation.

Instrument code	Instrument name
BN	ASX Electricity – Quarterly Base Load Futures/Options – NSW
BV	ASX Electricity – Quarterly Base Load Futures/Options – VIC
BS	ASX Electricity – Quarterly Base Load Futures/Options – SA
BQ	ASX Electricity – Quarterly Base Load Futures/Options – QLD
EN	ASX Electricity – Monthly Base Load Futures – NSW
EV	ASX Electricity – Monthly Base Load Futures – VIC
ES	ASX Electricity – Monthly Base Load Futures – SA
EQ	ASX Electricity – Monthly Base Load Futures – QLD
PN	ASX Electricity – Quarterly Peak Load Futures – NSW
PV	ASX Electricity – Quarterly Peak Load Futures – VIC
PS	ASX Electricity – Quarterly Peak Load Futures – SA
PQ	ASX Electricity – Quarterly Peak Load Futures – QLD
GN	ASX Electricity – Quarterly $300 Cap Futures – NSW
GV	ASX Electricity – Quarterly $300 Cap Futures – VIC
GS	ASX Electricity – Quarterly $300 Cap Futures – SA
GQ	ASX Electricity – Quarterly $300 Cap Futures – QLD
HN	ASX Electricity – Base Load Strip Futures/Options - NSW
HV	ASX Electricity – Base Load Strip Futures/Options – VIC
HS	ASX Electricity – Base Load Strip Futures/Options – SA
HQ	ASX Electricity – Base Load Strip Futures/Options – QLD
GX	ASX Gas – Victorian Wholesale Gas Quarterly Futures
GY	ASX Gas – Victorian Wholesale Gas Strip Futures

The Margin Simulation Screen

Upon login DFT users will be directed straight to the Futures Portfolio screen. From this screen DFT users will be able to upload portfolios of electricity futures trades for simulation using the Custom functionality shown in the below.
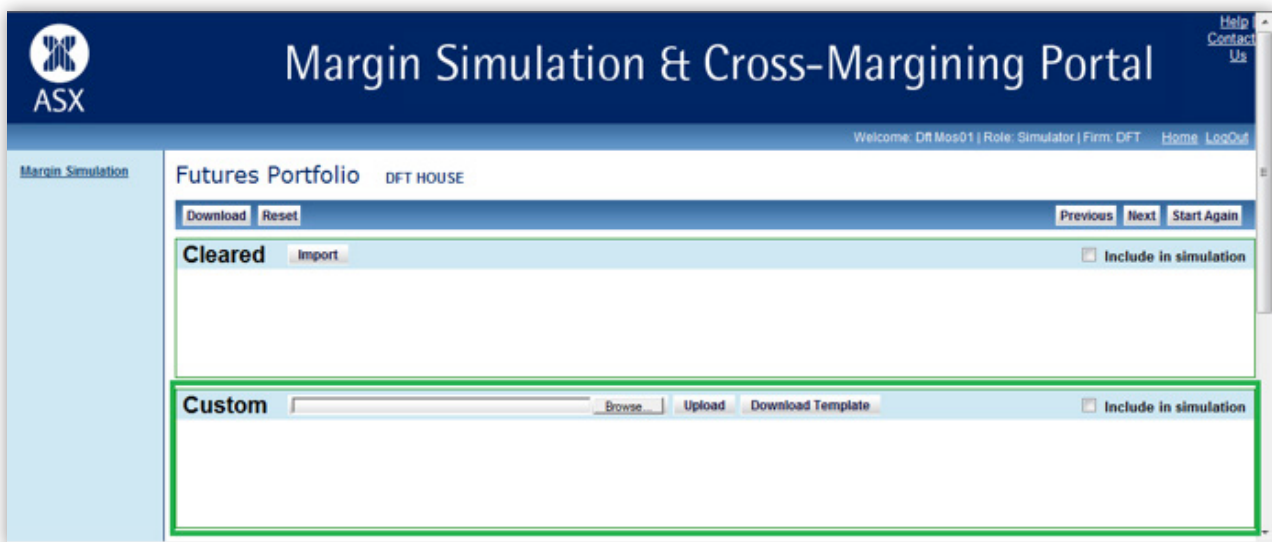
DFT users will not be able to use the Cleared functionality available in ASX Margin Simulator (this function pulls the cleared positions from the live ASX clearing systems for simulations).
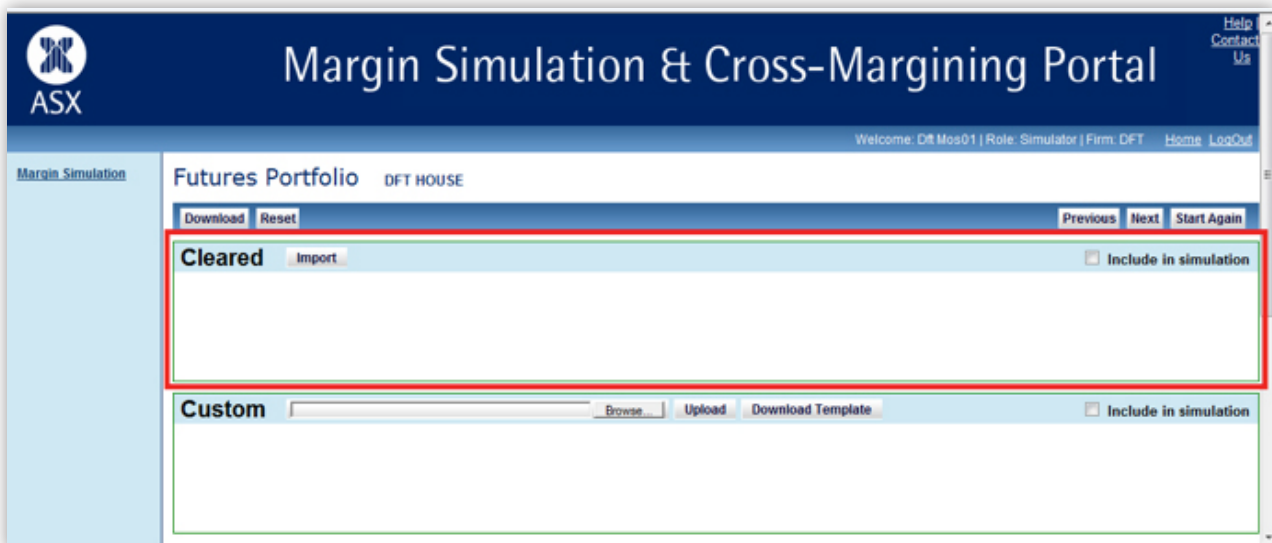
Preparing a Margin Simulation Template

As DFT accounts are simulation only demo accounts, no live data will be available to be pulled into the simulation. Due to this DFT, users will have to download and populate a Simulation Template with their portfolio prior to simulation.

Downloading the Futures Simulation Template

Before running a margin simulation for the DFT, a user will first need to fill in a pre-defined CSV template with the positions for simulation. This template can be downloaded by clicking on the Download Template link on the below screen.
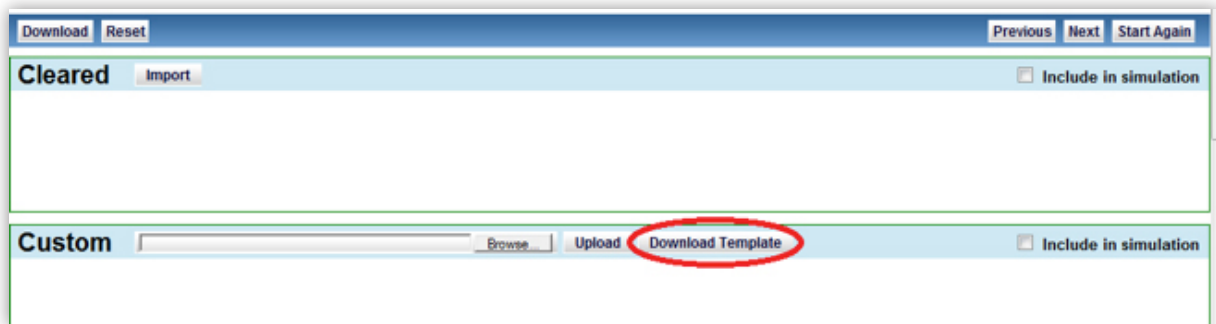
Populating the Template for Simulation

Once the CSV template has been downloaded it must be populated with the required (and eligible) futures and options for the simulation. Fields are to be filled out per the below

Field no	Field name	Required	Data type	Instruction to populate the field values
1	BusinessDate	Mandatory	Date dd/mm/yyyy	The date the position was held. For custom portfolio it will be todays date. e.g. : 01/12/2013
2	InstrumentCode	Mandatory	String(10)	Unique ASX identifier for an instrument.

For example:
BNH14
BNH143550P

Naming convention Future instrument code:

Component	Field size	Sample
Instrument code	2	BN
Expiry month code	1	H
Expiry year	2	14

Naming convention Option instrument code:

Component	Field size	Sample
Instrument code	2	BN
Expiry month code	1	H
Expiry year	2	14
Strike price	4	3550
Call or put	1	P

Field no	Field name	Required	Data type	Instruction to populate the field values
3	InstrumentName	Optional	String(40)	Type of Instrument Refer to 3. Margin Simulation Eligible Energy Contract Codes
4	Expiry	Optional	Date mm/yyyy	Expiry Month of the contract For example: 03/2013

| Field no	Field name	Required	Data type	Instruction to populate the field values
5	LongPosition	Mandatory	Number	Long position of the contract For example: 100
6	ShortPosition	Mandatory	Number	Short position of the contract For example: 120
7	NetPositions	Optional	Number	Long Position – Short Position For Example: - 60
8	StrikePrice	Optional	Number	The strike price for the option Condition: To be entered only for an Option Position For example: 35.50
9	Call/Put	Optional	Character	Call or Put options Valid values: P, C For example : C Condition: To be entered only for an Option Position
10	SettlementPrice	Optional	Number	The settlement price for the contract. Note: The current version of ASX Clear (Future) Margin Simulator does not allow the user to upload the settlement price for Simulation Purpose. Upon custom portfolio upload all settlement prices are replaced by previous day EOD prices. For example: 35.500 (for futures) , 0.060 (for options)
11	AllocatedPositions	Optional	Number	Allocated positions represent the positions to be cross margined against OTC Swaps. Cross margining is only applicable for AUD and NZD Interest rate contracts. The allocated positions must be less than or equal to the net positions for the contract. For example: 30 (for net long positions) -20 (for net short positions) For all other contracts including energy, this field should be set to 0.

An example of a completed template portfolio is below:

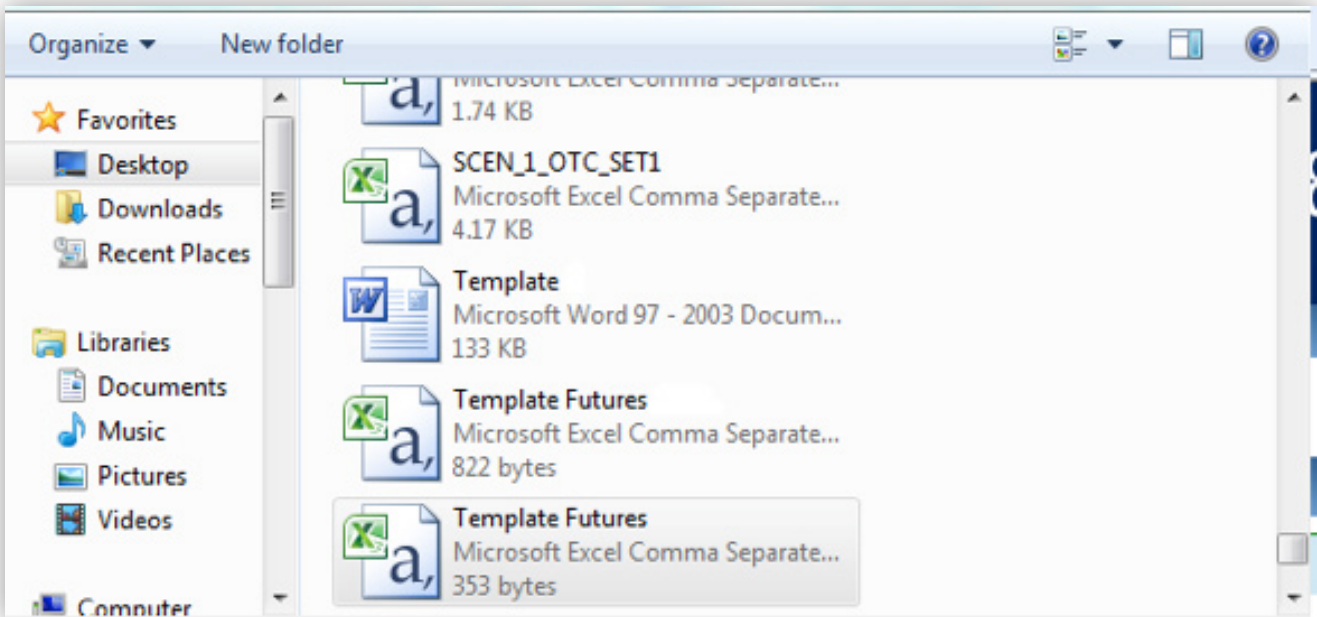| Business date	Instrument code	Instrument name	Expiry (mm/yyyy)	LongPosition	Short Position	NetPositions	StrikePrice	CallPut	Settlement Price	Allocated Position
26/11/2014	BNH15	ASX Electricity Base Load Quarterly Futures NSW	15-Apr	0	250	-250	0		37.25	0
27/11/2014	BNM15	ASX Electricity Base Load Quarterly Futures NSW	15-Jul	0	350	-350	0		34.75	0
27/11/2014	BNZ145700P		15-Dec	400	0	400	15	P	24.25	0
27/11/2014	BVH15	ASX Electricity Base Load Quarterly Futures VIC	15-Apr	0	150	-150	0		37.15	0
27/11/2014	BVM15	ASX Electricity Base Load Quarterly Futures VIC	15-Jul	0	650	-650	0		31.5	0
27/11/2014	BVZ144500C		15-Dec	0	190	-190	15	C	28	0
27/11/2014	BVZ14	ASX Electricity Base Load Quarterly Futures VIC	15-Jan	235	0	235	0		0	0

Executing Simulation

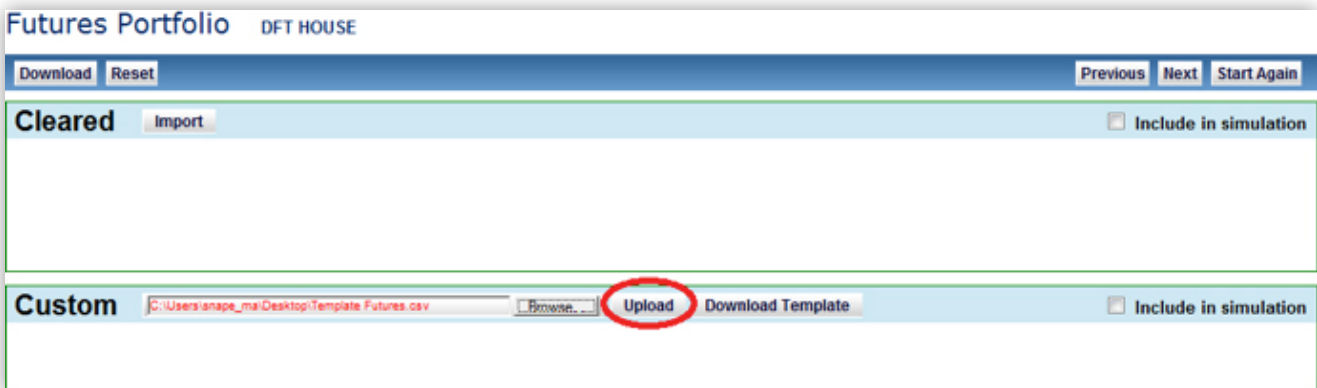Once all required contract details have been input and saved in CSV format the simulation can be run.

1. Import the CSV template to the Custom window

2. Select Browse
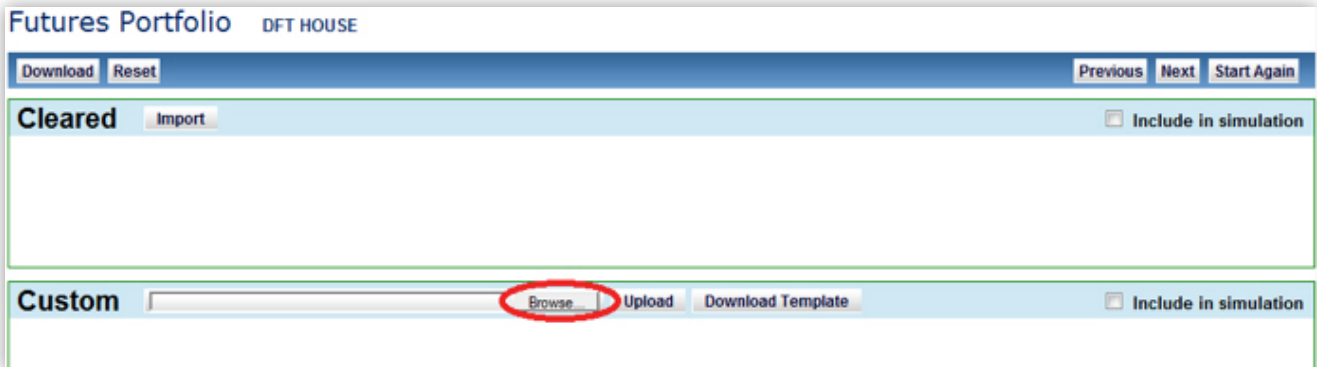
3. Navigate to and select the saved template

4. Click Upload

5. Verify that the contracts and positions entered in the template have all been populated in the Custom screen

6. Once all required positions are populated click Next

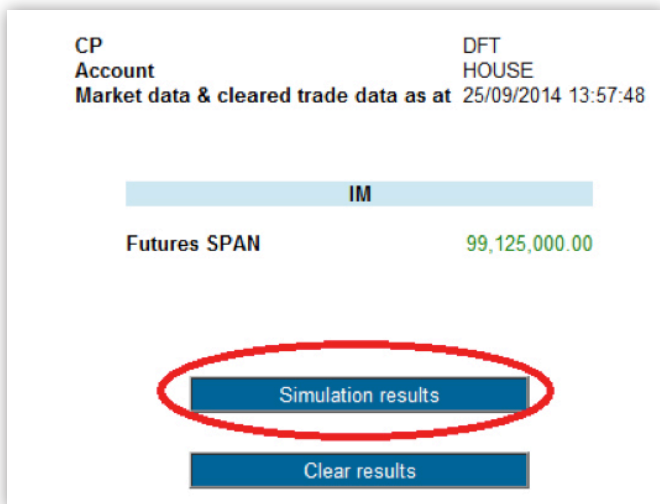7. When the simulation page appears click Start the margin simulation
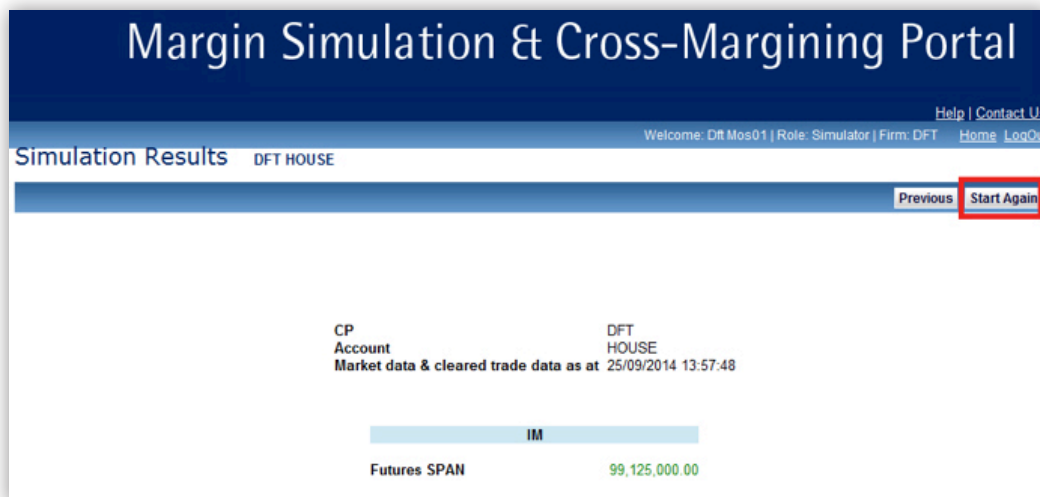
Simulation results

When the simulation is complete the below screen will be displayed with the results.
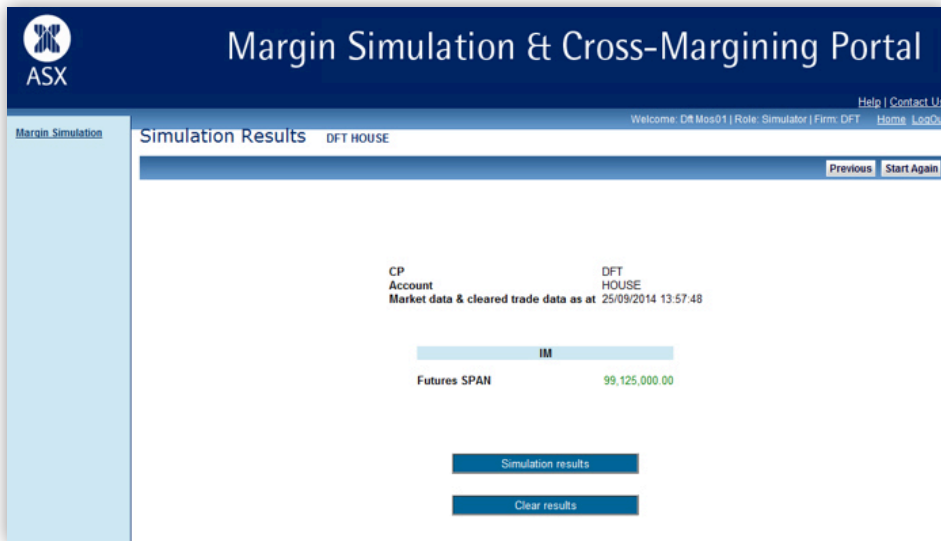
If required a CSV of the test results can be downloaded to an Excel file using the Simulation Results button below.

To go back to the beginning of the process to re-run another portfolio for simulation, click the Start Again button.

Appendix A

ASX Online Portal Edge Compatibility Instructions

On Microsoft Edge navigate to the browser settings by clicking on the **···** in the top right corner and select 'Settings', from the selection on the left side click on 'Default Browser'.

The following is required to access the ASXOnline portals:

- 'Allow sites to be reloaded in Internet Explorer mode' – Allow.
    - Note. Web browser will need to restart when changed to 'Allow'.

- 'Internet Explorer mode pages' – add the portal selection page and any respective portal links that is required.

    - Portal Selection – https://portalselection.connect.asxonline.com/certAuth.aspx
    - Margin Control – https://asxcfmargincontrol.connect.asxonline.com/
    - Margin Simulator – https://asxmos.connect.asxonline.com/
    - FlexClear – https://asxequityflexclear.connect.asxonline.com/
    - Static Data Portal – https://asxstaticdata.connect.asxonline.com/

Settings

Q Search settings

- Profiles
- Privacy, search, and services
- Appearance
- Start, home, and new tabs
- Share, copy and paste
- Cookies and site permissions
- **Default browser**
- Downloads
- Family safety
- Languages
- Printers
- System and performance
- Reset settings
- Phone and other devices
- Accessibility
- About Microsoft Edge

Default browser

Make Microsoft Edge your default browser	Make default

Internet Explorer compatibility

Let Internet Explorer open sites in Microsoft Edge ⓘ — Incompatible sites only (Recommended) ∨

When browsing in Internet Explorer you can choose to automatically open sites in Microsoft Edge

Allow sites to be reloaded in Internet Explorer mode ⓘ — Allow ∨

When browsing in Microsoft Edge, if a site requires Internet Explorer for compatibility, you can choose to reload it in Internet Explorer mode

Internet Explorer mode pages — Add

These pages will open in Internet Explorer mode for 30 days from the date you add the page. You have 3 pages that'll automatically open in Internet Explorer mode.

Page	Date added	Expires	
✕ https://asxcfmargincontrol.connect.asxonline.com/	6/8/2022	7/8/2022	🗑
✕ https://asxmos.connect.asxonline.com/	6/8/2022	7/8/2022	🗑
📄 https://portalselection.connect.asxonline.com/certAuth.aspx	6/8/2022	7/8/2022	🗑

Further information

For further information on ASX Margin Simulator, or for anything regarding ASX Clear (Futures), please contact:

T: +61 2 8298 8265
E: cts@asx.com.au

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