LONDON STOCK EXCHANGE

TURQUOISE

MEMBER PORTAL

Technical Configuration User Guide

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Related Technical Specifications for the Millennium Exchange trading system are available online:
London Stock Exchange Technical Library
Turquoise Document Library

Introduction

The Member Portal is an online communications tool for use by member firms of LSEG companies.

The Member Portal is used by member firms to:

1. Manage their company data and contact details
2. Manage their trading profile and related trading identifiers
3. Configure technical access to trading systems

The Member Portal is used by member firms of the following LSEG companies:

- London Stock Exchange
- Turquoise
- Turquoise Europe

This User Guide focuses on the London Stock Exchange and Turquoise Technical Requirements & Data areas of the

Member Portal; for support with other sections of the Member Portal for London Stock Exchange and Turquoise, please refer to the Member Portal Quick Start User Guide and LSE Member Portal Cash Markets User Guide.

In order to access the Technical Requirements & Data modules within the Member Portal, users must have Read or Read & Write permissions for these modules. Users who cannot access or request amendments to the required data should in the first instance contact their company Super User(s) to request necessary permissions.

Comp ID Management

Interface

When expanded, the Comp ID module displays a list of connectivity enabled Member IDs (highlighted red in Figure 1). When a Member ID is selected, the main body of the page displays the current configuration of Comp IDs residing under that Member ID (blue). Search options (green) are available to filter the displayed Comp ID configuration. Data can be exported into Excel using the **Download Report** button.

There are three action buttons at the top of the main body of the page: **Add Comp ID**, **Clone Comp ID** and **Edit Selected Comp IDs**.

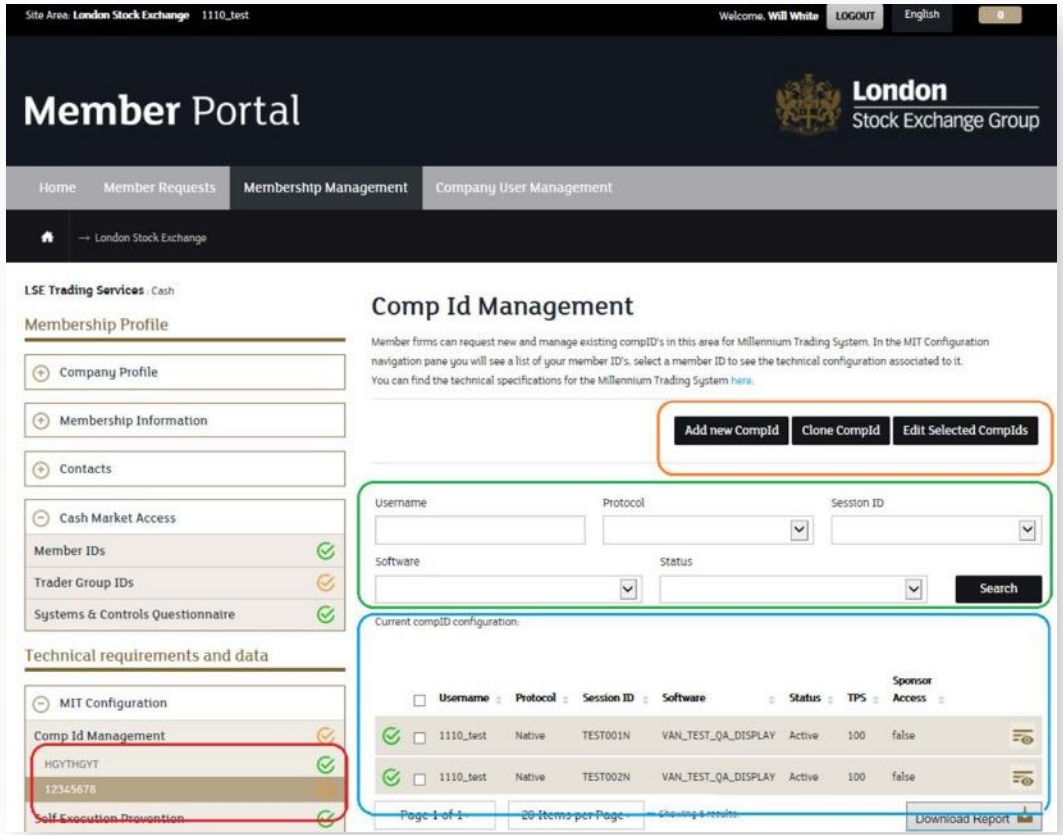

Figure 2.1 View of the Comp ID Management interface explained

Comp ID Management

Create New Comp ID

Native Comp ID

For London Stock Exchange only, Native IDs must first be requested in the Trader Group ID screen in the Cash Market Access module. When a Native ID is requested,

a Native Comp ID shell is automatically created in the Comp ID management 'pending area' for the customer to populate the technical configuration.

Note: LSE Native IDs can only be deleted in the Trader Group ID screen.

To complete the request, select the desired Native ID and click on the **Edit** button. Complete the fields and click **Send** (shown in Figure 2.4 on page 05).

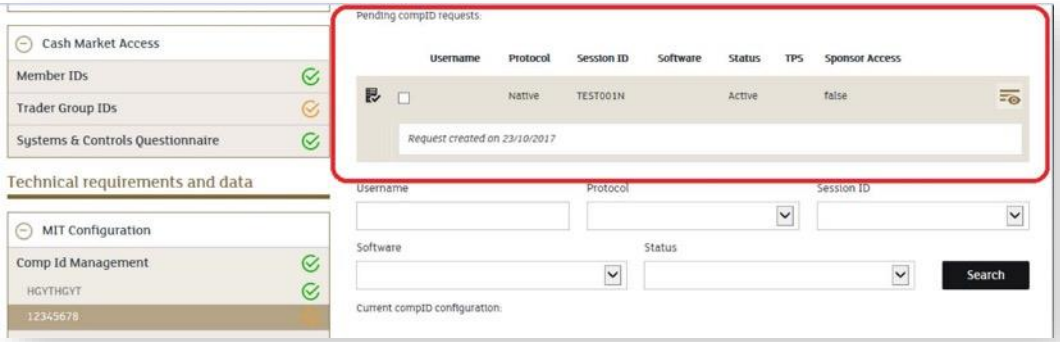

Figure 2.2 Native Comp ID shell created in pending area for customer to complete technical configuration

Figure 2.3 Select Native ID and click Edit

Comp ID Management

Complete the fields and click **Send**.

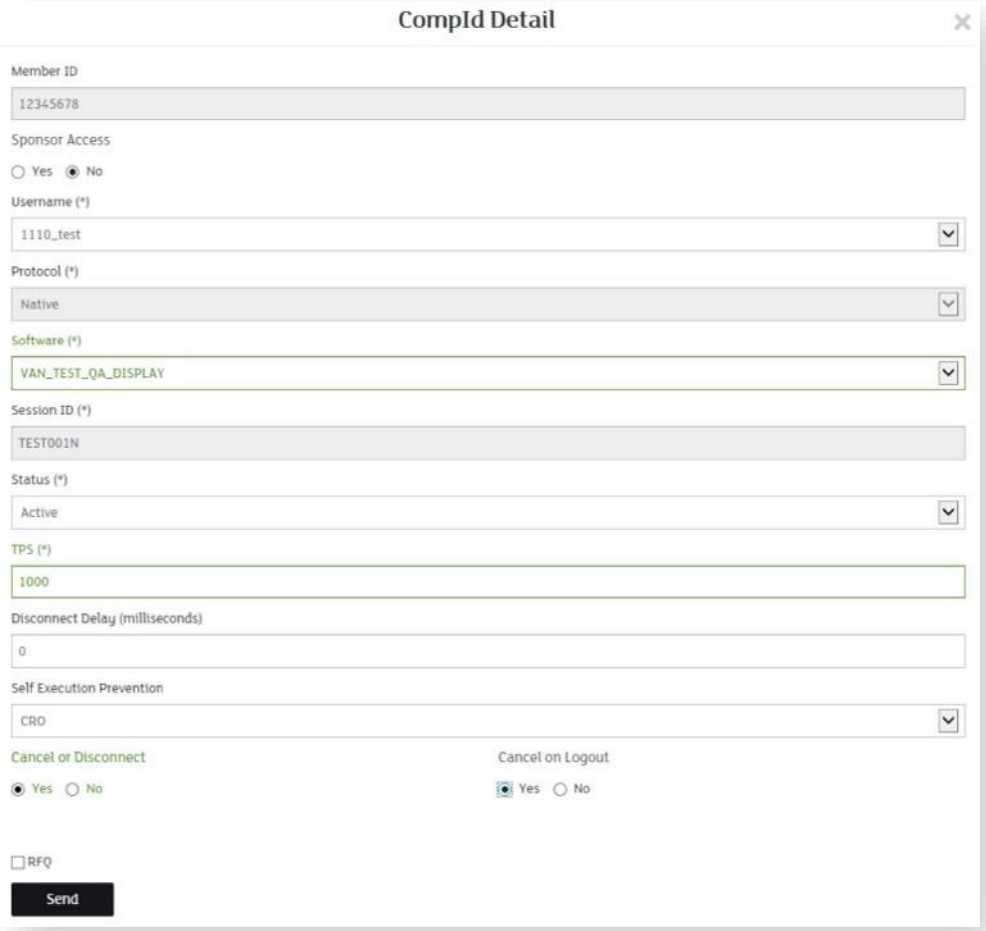

Figure 2.4 Complete Native ID fields

Comp ID Management

When completing the form for the Native ID technical configuration, the software application needs to be specified. In the software field, you will see a drop-down list including certified proprietary software related to the member firm, ISV software and VAN software providers for the Native Gateway. If your software is not displayed but has been certified, please contact Market Access.

When the request has been submitted, a clock icon will be displayed against the draft Native ID indicating that it is pending review.

Once accepted by LSE, the icon will change to a tick and go-live date is given to the Native Comp ID.

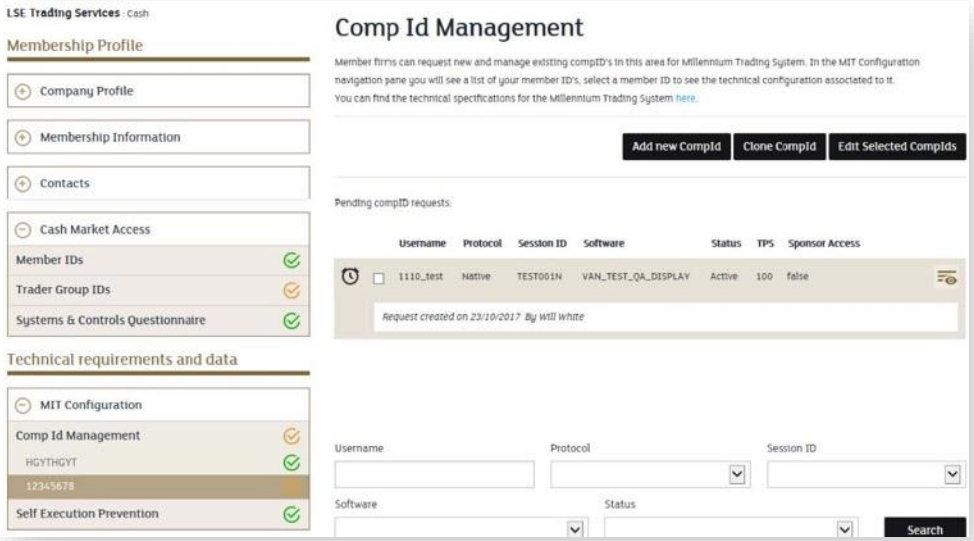

Figure 2.5 Member ID tick goes orange and the clock icon indicates pending LSE action to accept or reject the request

Figure 2.6 Accepted request and go-live date given by LSE

Comp ID Management

FIX Comp ID

To request a new FIX Comp ID, first click on the **Add new Comp ID** button at the top of the page; the session ID is automatically generated based on the LSE/Turquoise naming convention.

For post trade and drop copy sessions, the TPS should be set to 20 and Cancel on Disconnect set to ‘No’.

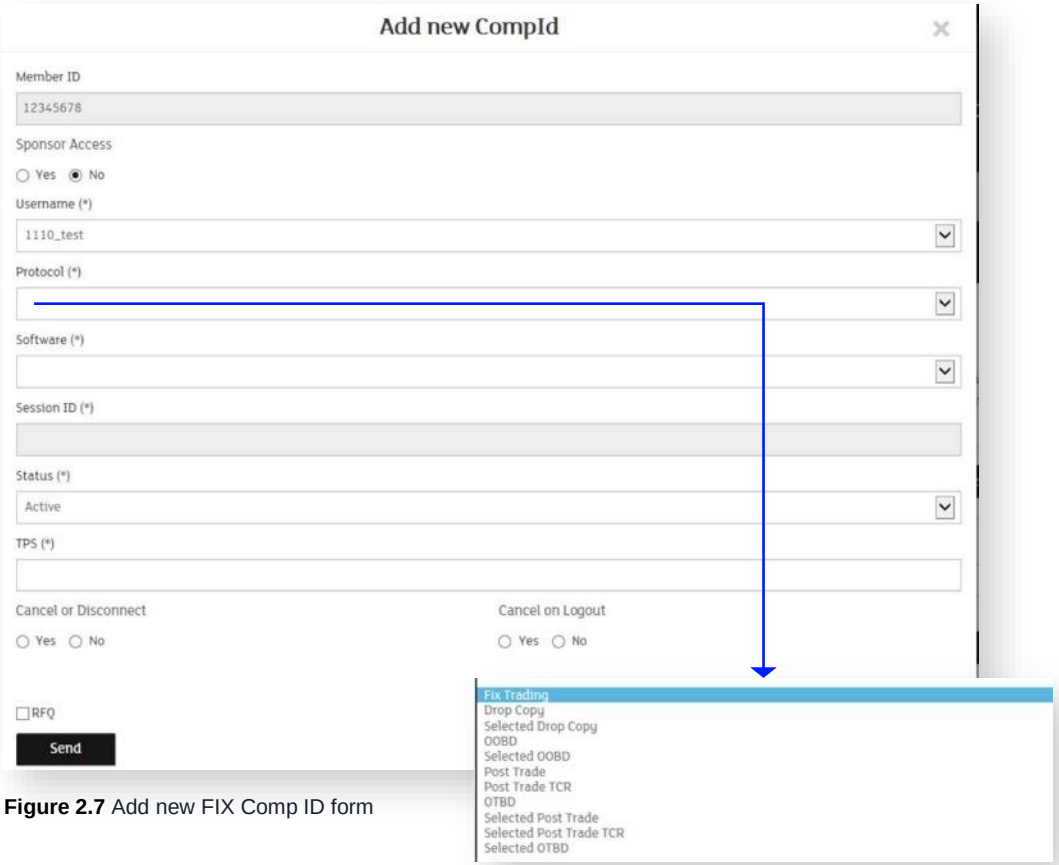

Figure 2.7 Add new FIX Comp ID form

Comp ID Management

To complete the request, complete the Comp ID fields and click on **Send**. When the request has been submitted, a clock icon will be displayed against the draft Comp ID indicating that it is pending review.

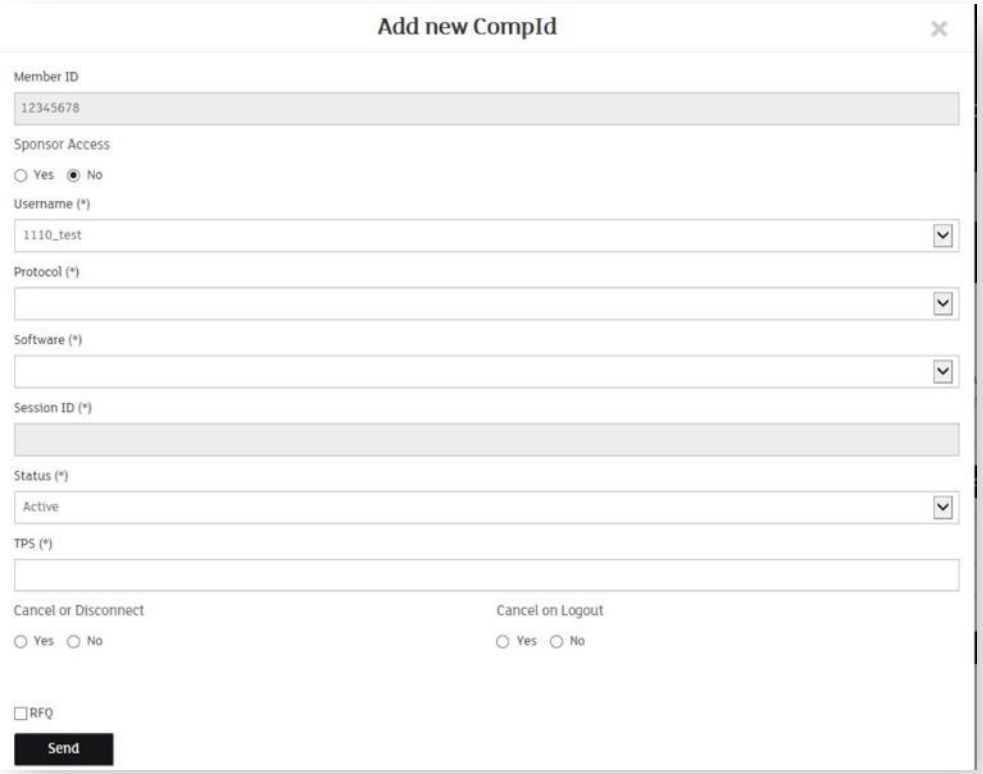

Figure 2.8 FIX Comp ID request in the pending area

Comp ID Management

To associate the FIX Comp ID with multiple trading sessions, use Ctrl + [Selection] or Shift + [Selection] to select multiple values in the Selected ID field.

When completing the form for the FIX Comp ID technical configuration, the software application needs to be specified. In the software field, you will see a drop- down list including certified proprietary software related to the member firm, ISV software and VAN software providers for the Native Gateway. If your software is not displayed but has been certified, please contact Market Access.

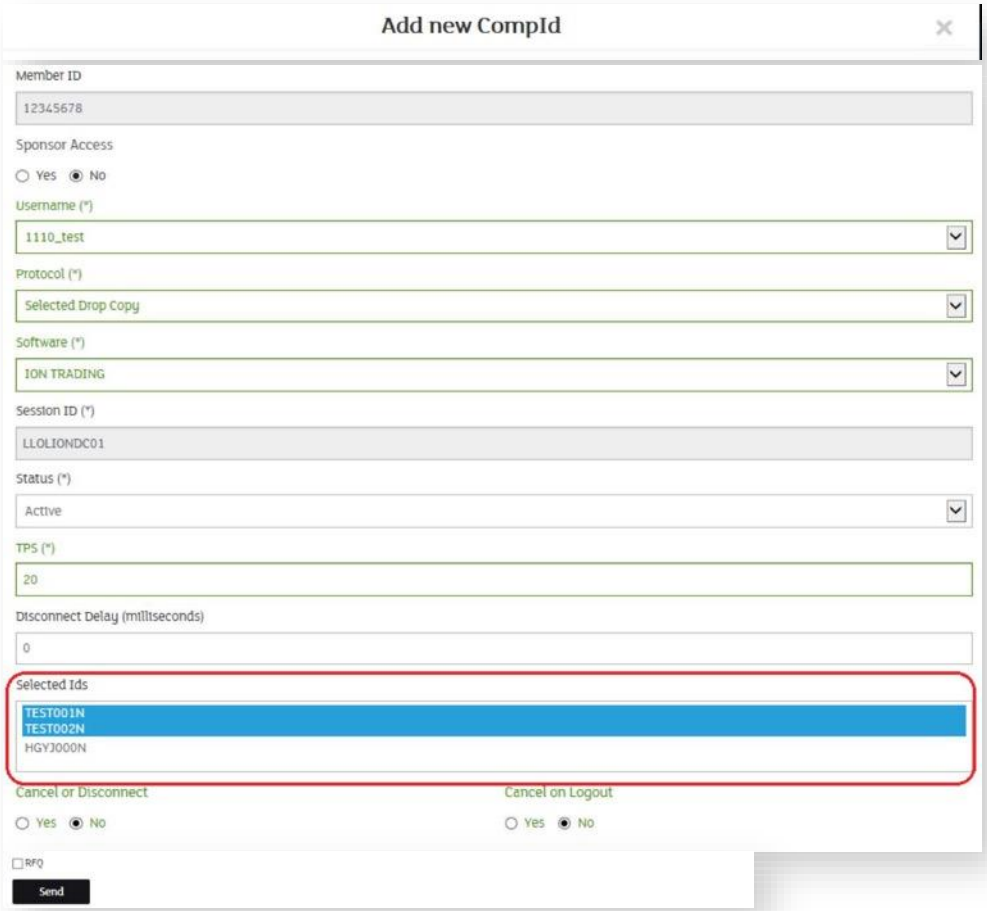

Figure 2.9 Selected Drop Copy request with multiple trading sessions selected in selected ID field

Comp ID Management

Transactions Per Second (TPS)

When including Transactions Per Second (TPS) values on Comp ID requests, member firms should be aware of the pricing policy for each trading venue in relation to TPS:

LSE Trading Services Price List

Turquoise Price List

Each member firm has a Transaction Per Second (TPS) allocation to be used across their Native and FIX Trading IDs. If a new Comp ID request exceeds the allocation a rejection is triggered.

To continue with the Comp ID request, you will need to re-balance the TPS allocation across the current configuration to free up TPS allocation for the new Comp ID request.

Clone button

Comp IDs can be ‘cloned’ to request an exact copy of an existing Comp ID. To clone an existing Comp ID, select the check box of the Comp ID to be cloned and click on the Clone button. Only one Comp ID can be requested when cloning a live Comp ID. It is not possible to clone Native IDs or draft FIX Comp IDs.

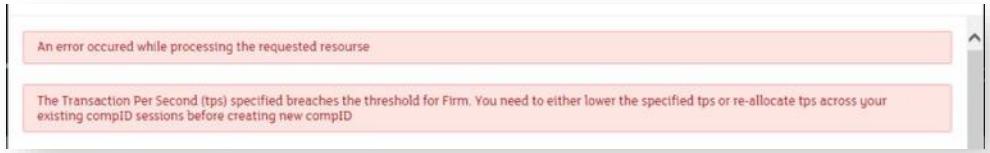

Figure 2.10 TPS rejection message

Comp ID Management

Edit

Users can edit many of the parameters of existing Comp IDs. Fields highlighted blue in Figure 2.11 are locked and cannot be edited.

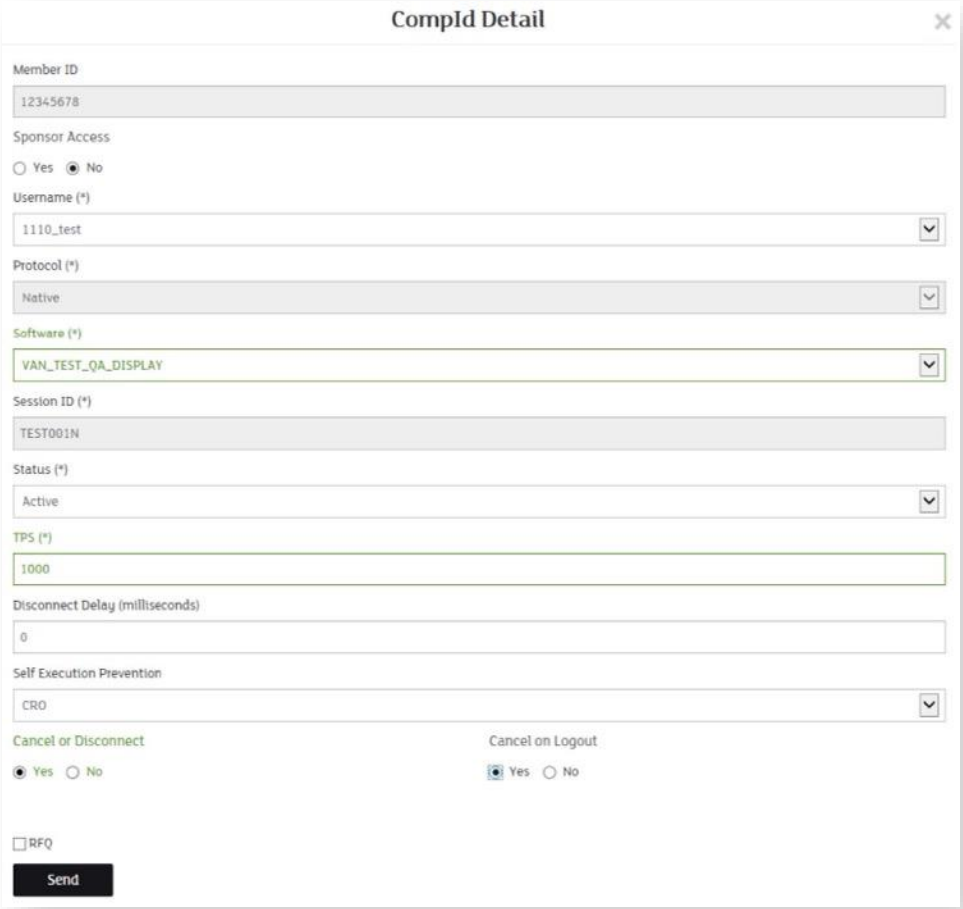

Figure 2.11 Editing a Native Comp ID

Comp ID Management

The member portal has an ‘edit multiple’ function which enables a user to perform a mass update by selecting multiple Comp IDs and clicking on the **Edit Selected Comp IDs** button.

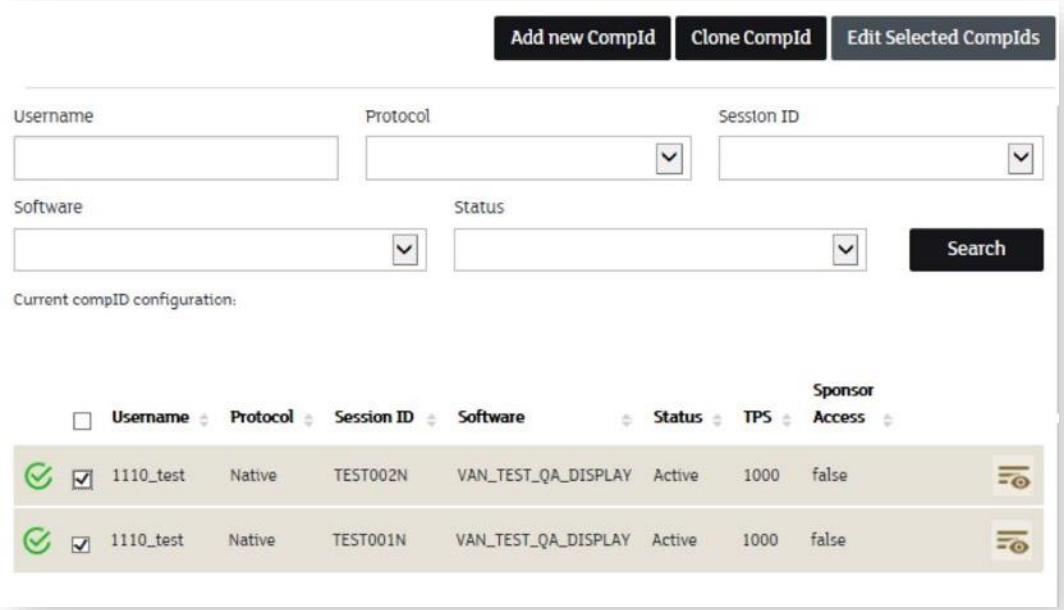

Figure 2.12 Selecting multiple IDs via the check box

Comp ID Management

Common fields can be updated with new values that will be applied to all sessions listed at the top of the form.

Sponsored Access IDs

A Sponsored Access Native ID is automatically created when a new Trader Group ID is created with the Sponsored Access field populated with ‘Y’ in the Cash Market Access module.

The Native ID must be linked to a sponsored access drop copy Comp ID.

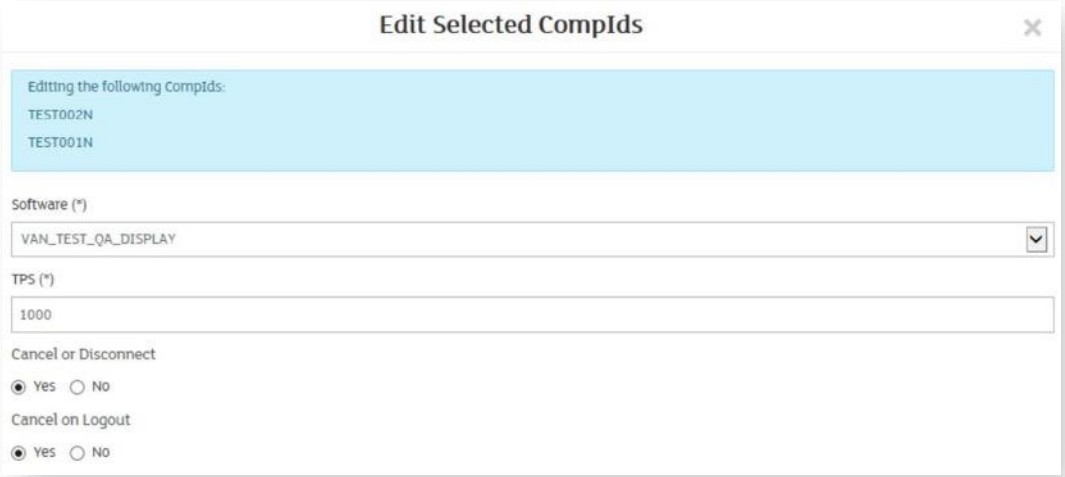

Figure 2.13 Editable fields across selected Comp IDs

Figure 2.14 Reminder message on a Sponsored Access Native IDs

Comp ID Management

When completing the technical requirements on the Native ID, the sponsored access client the Native ID belongs to (the clients are configured by market access in the back end) should be chosen in the Username field. Base currency, Order value and Max Gross consideration values need to be submitted. The Market Access team will associate sponsored access clients to a member firm so that they can be selected in the Comp ID details.

Note: the Order Value and Max Gross consideration are only used for the initial setup of the Native IDs; these limits are managed via the Sponsored Access Portal.

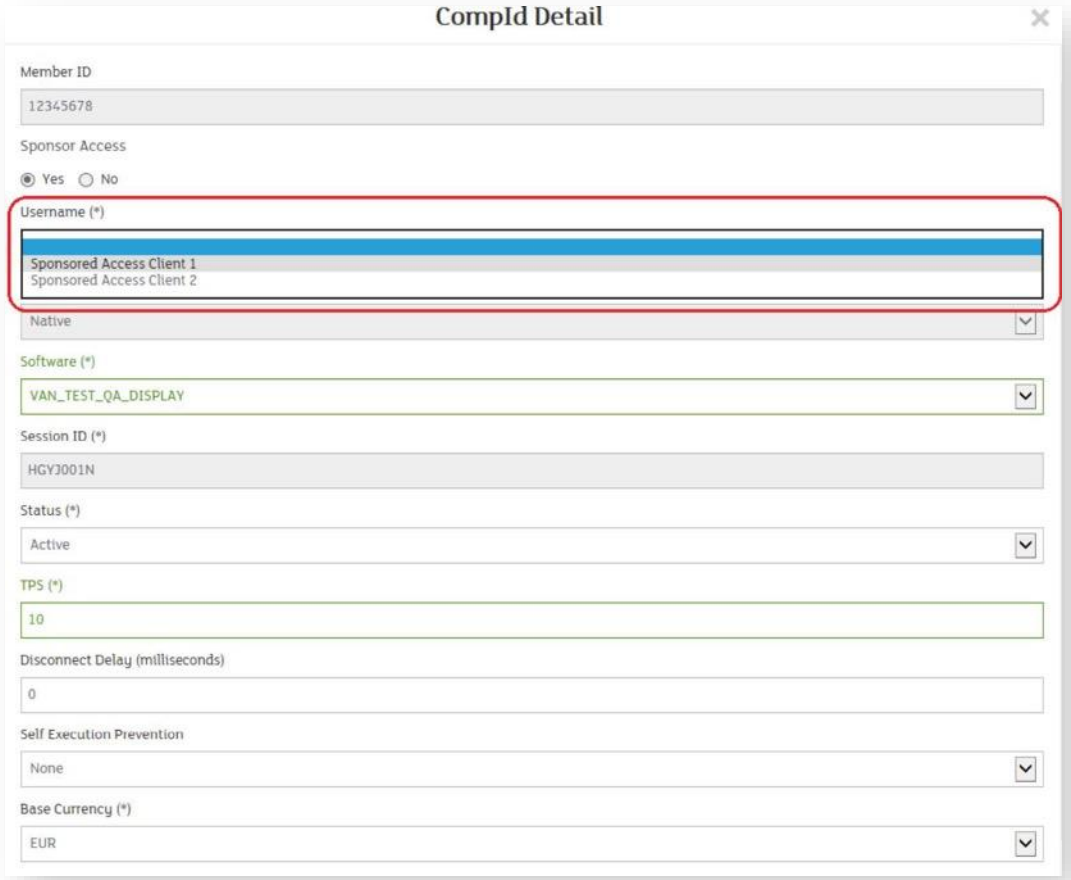

Figure 2.15 Sponsored Access Native Comp ID request

Comp ID Management

Once the Native technical requirements are requested, a sponsored access selected Drop Copy will need to be created and the Native ID configured to it via the Selected ID field. If a sponsored access selected Drop Copy already exists for the sponsored access client, the Native ID can be configured to the existing sponsored access selected Drop Copy (no need to create a new one).

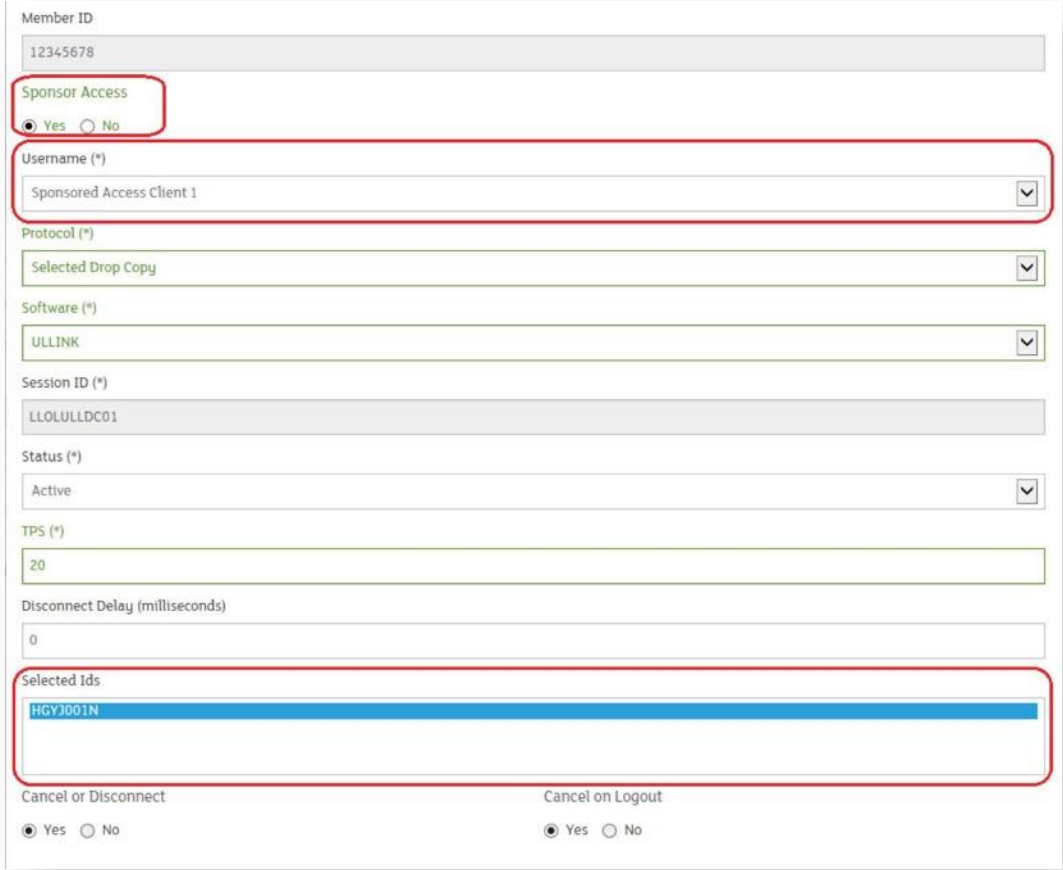

Figure 2.16 Sponsored Access selected Drop Copy

Self execution prevention (SEP)

Interface

When this area is accessed, a list of SEP groups and their instruction type is displayed in the main body of the page. New SEP groups can be added by clicking on the **Add New Group** button at the top of the page.

Add new SEP group and add a Trading ID to the group

For each new SEP group, an instruction type must be specified. Once created, select the SEP group and a list of trading IDs (Native and FIX trading) configured with the SEP instruction type matching the group will be displayed. Users can select the trading IDs they want to associate with the group.

The SEP group name is automatically generated. Users can add or remove trading IDs from the group or delete the group.

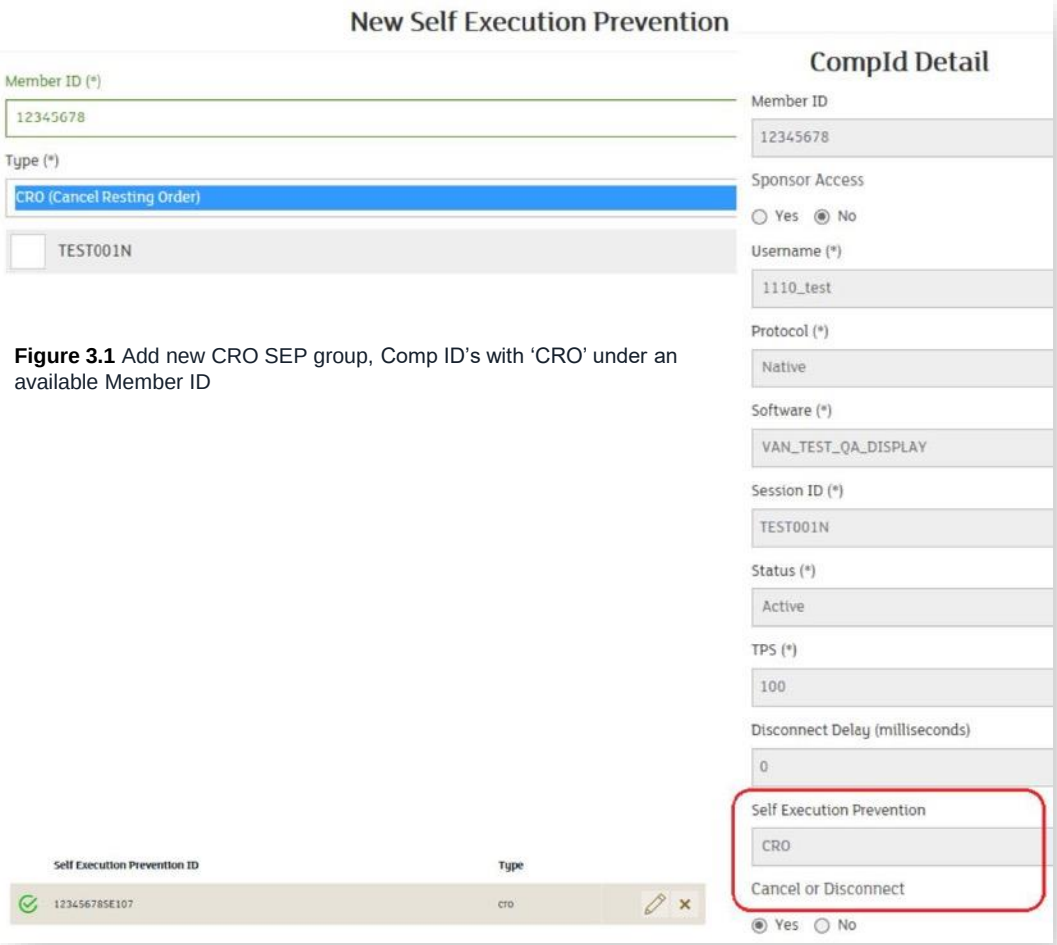

Figure 3.1 Add new CRO SEP group, Comp ID's with 'CRO' under an available Member ID

Figure 3.2 SEP group after creation

Connectivity

SAPs

In the SAP view the user will see list of active SAP connections to the LSEG London Data Centre associated with the member firm. The SAPID, address, production IP range and bandwidth related to each SAP are listed. The user can export this data via the download button at the bottom of the page.

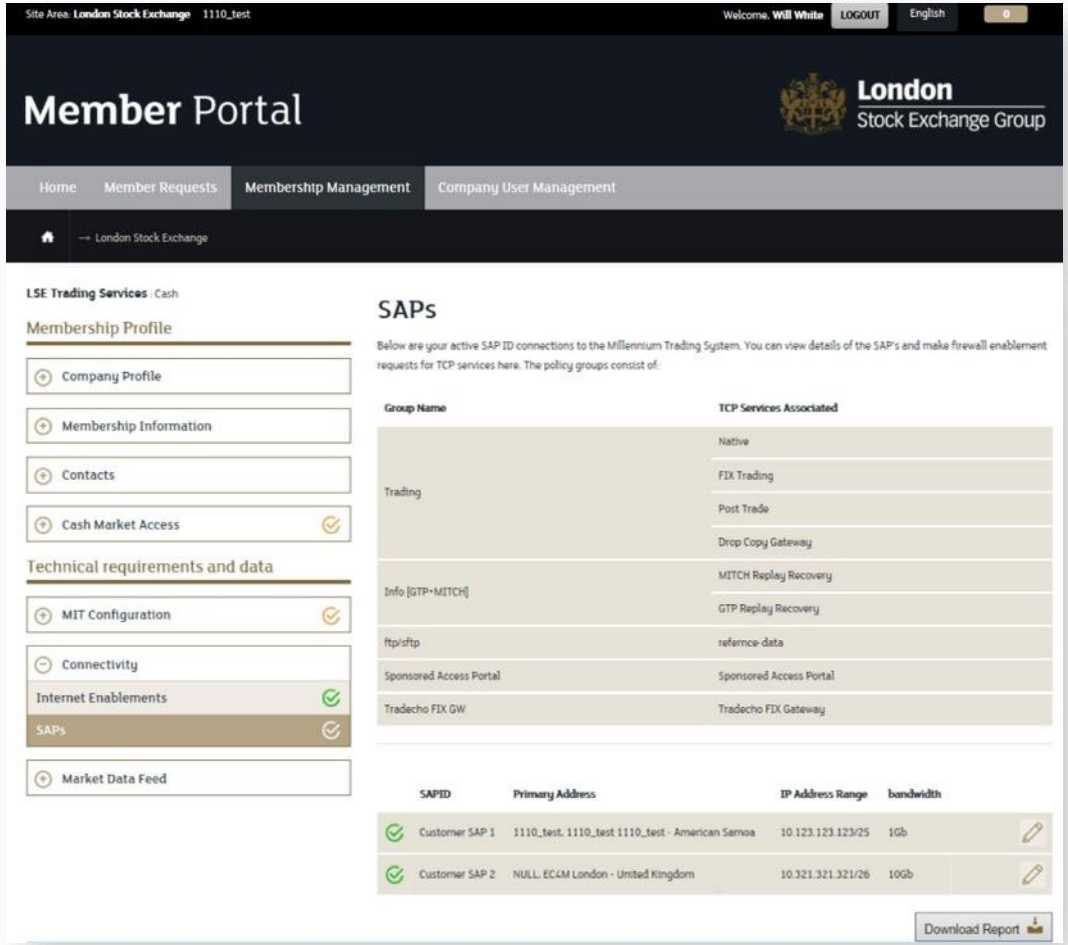

Figure 4.1 SAP interface view

Connectivity

Request firewall enablement via a SAP

The user can request firewall enablements for a SAP by selecting the SAP and requesting one or more of the firewall group options.

When a SAP is selected, the firewall groups can be edited at towards the bottom of the form. A description of the services related to each firewall group is detailed in the SAP interface.

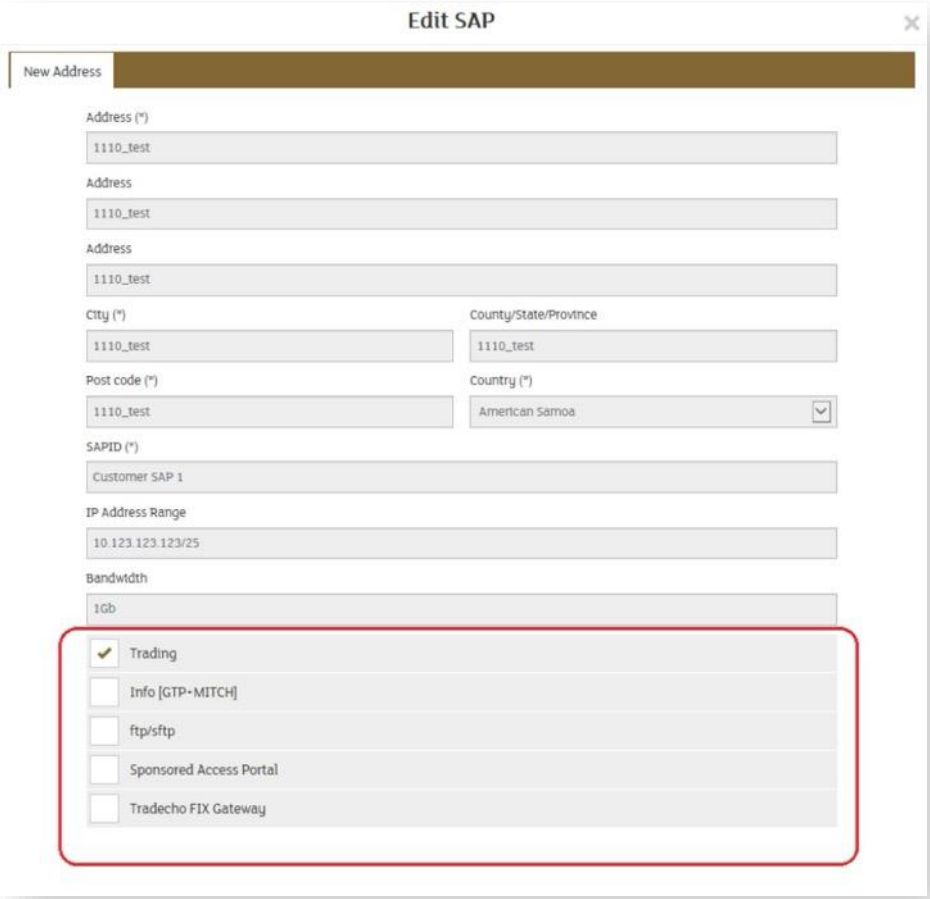

Figure 4.2 Firewall groups within the SAP form

Connectivity

Internet enablements

New Internet enablements can be requested by clicking on the **Request Modification** button. The IP addresses for the enablements must be entered.

Enter internet IP/s by separating each IP/IP range with a ';' delimiter and select the internet service. Note, there is a 75-character limit to the IP address field so a new request box will need to be selected (+) if this limit is reached to continue the request.

Select the + and − buttons to add or delete a request.

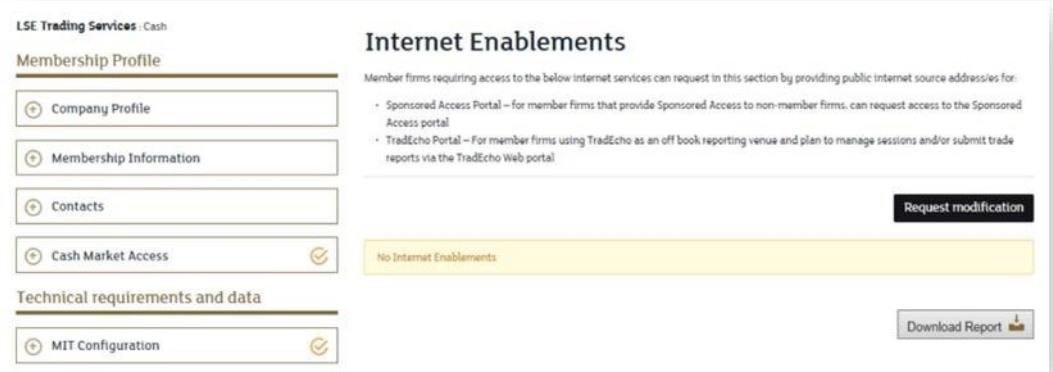

Figure 4.3 Internet Enablements interface

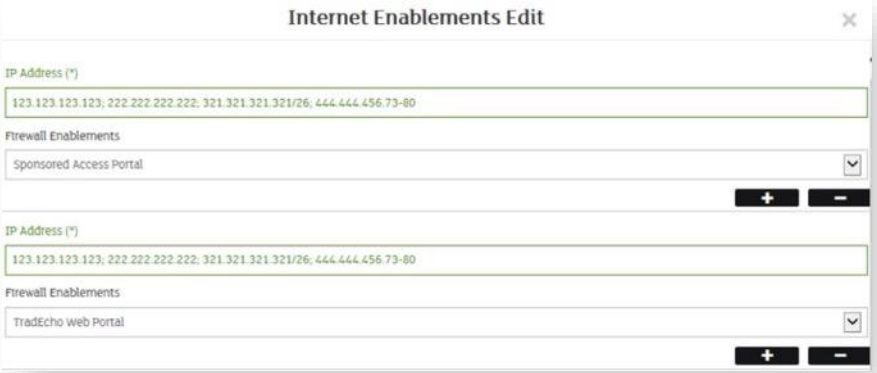

Figure 4.4 Request new internet enablement for LSE Sponsored Access Portal and TRADEcho Web Portal

Connectivity

Once accepted, the internet enablements will be live and displayed as per Figure 4.5.

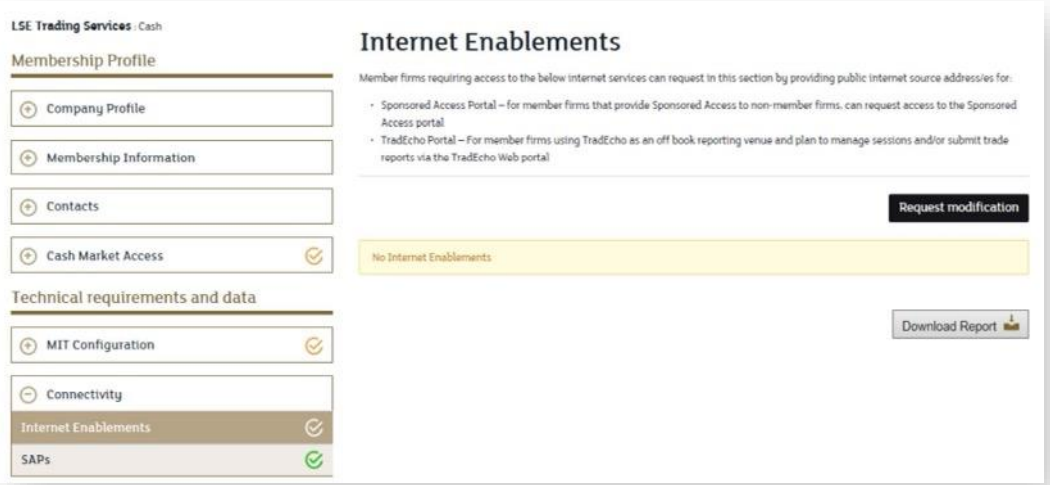

Figure 4.5 Live internet enablement

Market data

This module is only relevant for member firms receiving market data directly from LSE/Turquoise. In this area, member firms can configure multicast enablements for GTP and MITCH services.

GTP Multicast

To request multicast enablements for a SAP with no multicast enablements, the user should first click on the Add GTP Multicast button. In the new screen, the SAP can be selected together with the multicast channels for enablement.

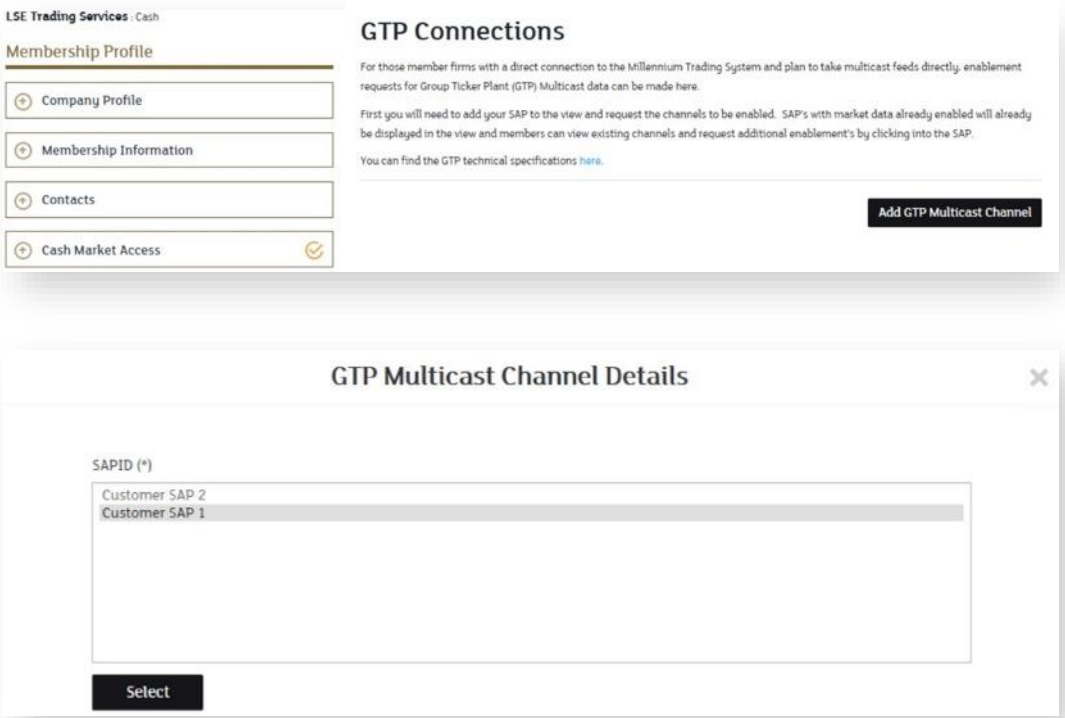

Figure 5.1 Selecting the SAP to enable for multicast on a SAPID without any existing multicast enablements

Market data

Figure 5.2 Selecting the SAP to enable for multicast.

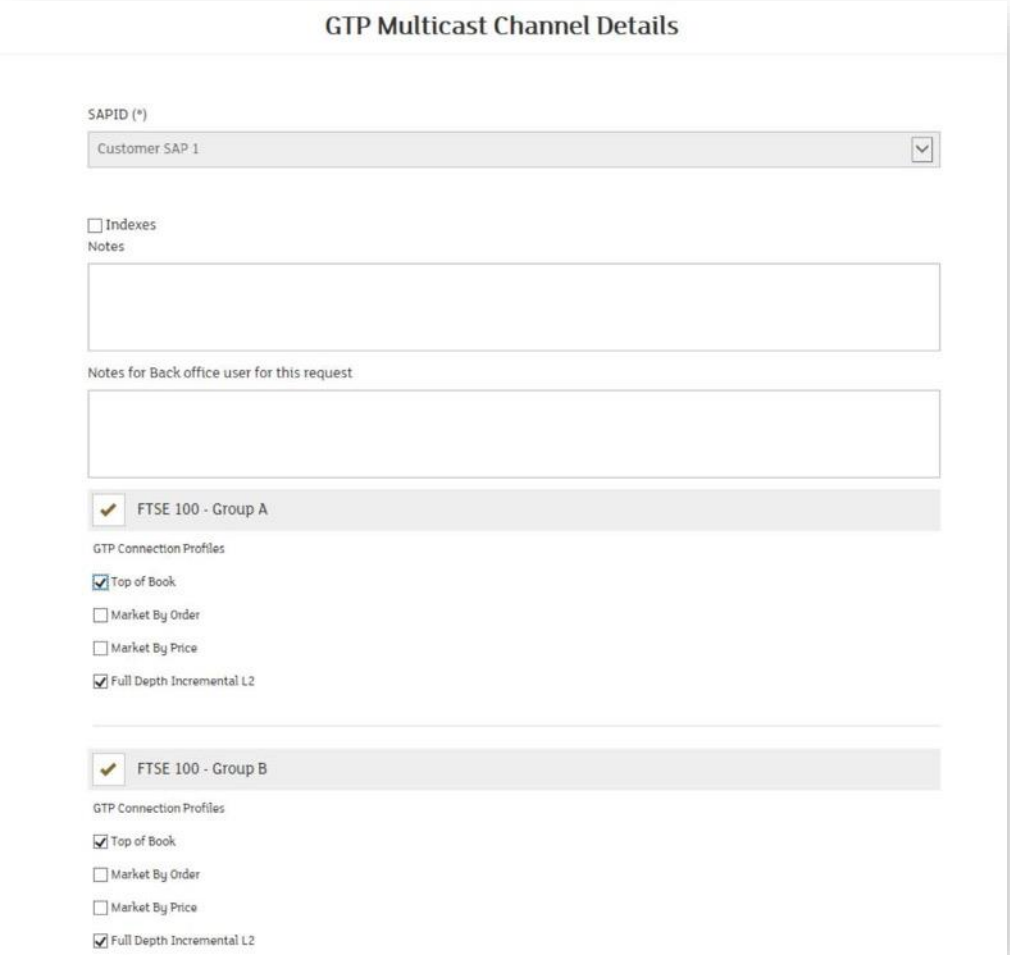

Figure 5.2 Selecting the SAP to enable for multicast

Market data

For multicast requests on a SAP that has existing multicast enablements, the user can select the SAPID to edit directly from the main body of the page.

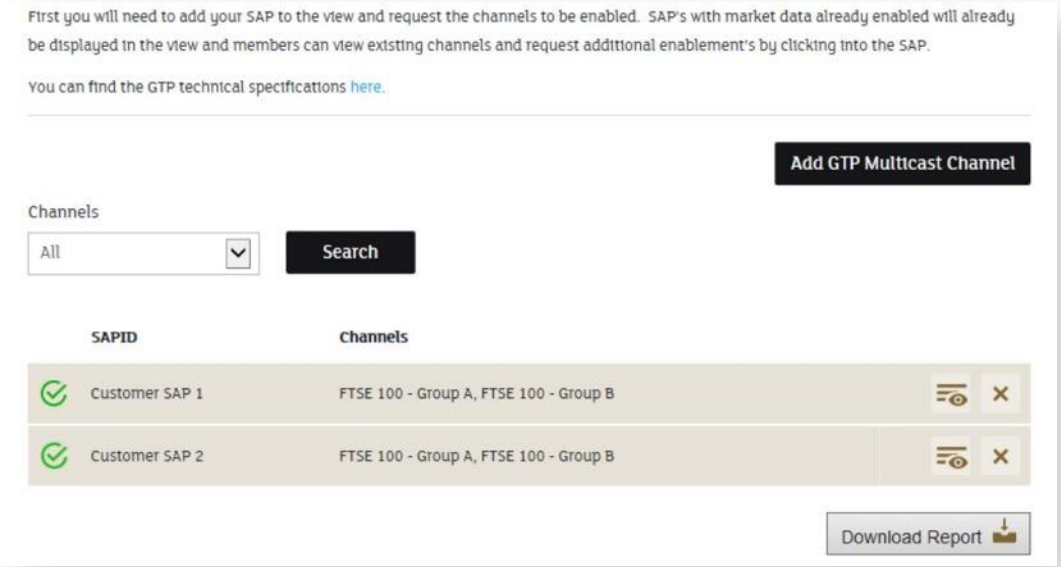

Figure 5.3 SAP ID added to the GTP page

Market data

MITCH Multicast

To request multicast enablements for a SAP with no multicast enablements, the user should first click on the **Add MITCH Multicast** button. In the new screen, the SAP can be selected together with the Multicast channels for enablement.

A SAPID will need to be added to the MITCH area even if it is already configured with GTP enablements. Figure 5.4 displays the enablement form for MITCH.

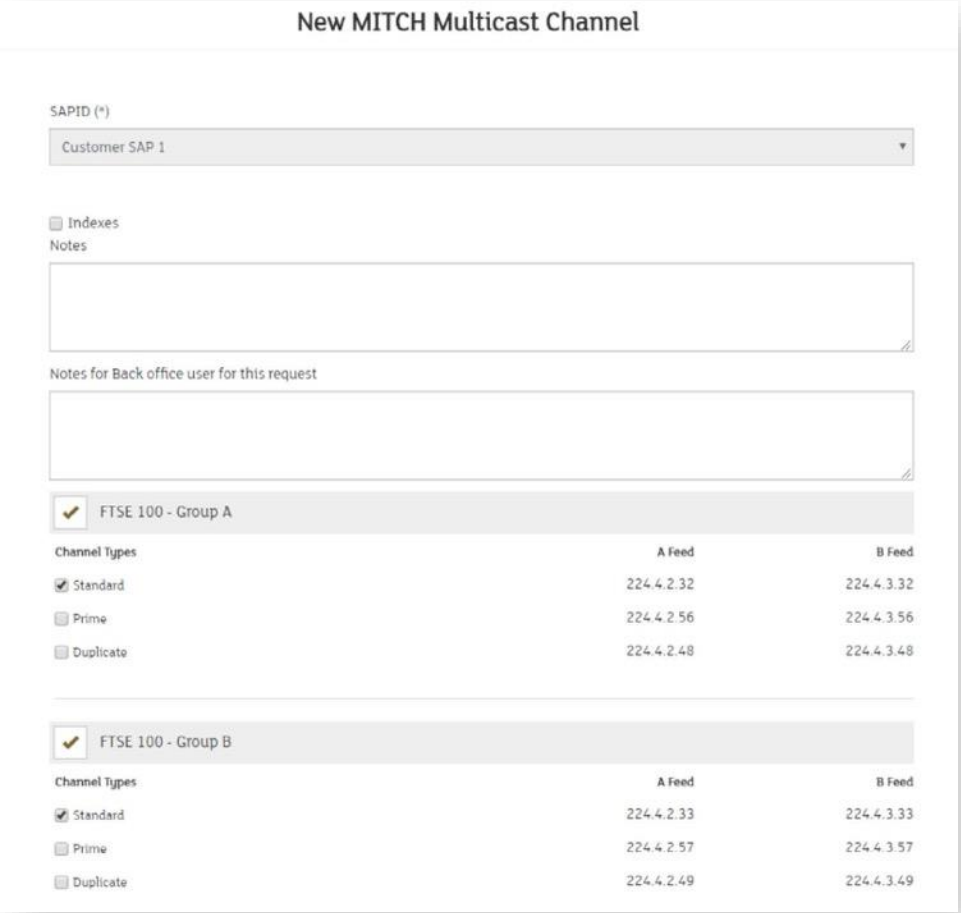

Figure 5.4 MITCH Multicast enablement form

Software

Users can view their certified proprietary software in the software area with related certification dates. The software listed in this area will appear in the software drop-down list in the Comp ID management area.

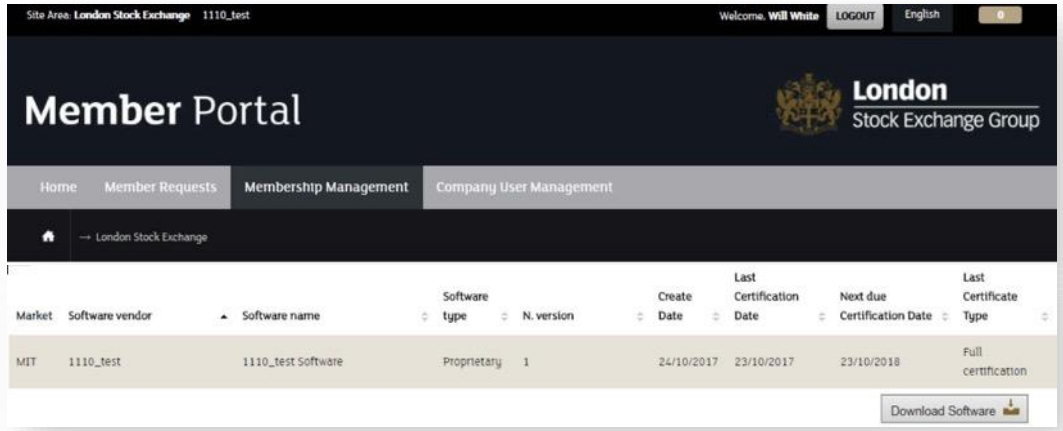

Figure 6.1 Software interface

Contacts and support

For support with managing your firm's technical configuration in the Member Portal, please contact the Technical Account Management Team:
Telephone: +44 (0)20 7797 3939
londontam@lseg.com

Related Technical Specifications for the Millennium Exchange trading system are available online:
London Stock Exchange Technical Library
Turquoise Document Library

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