

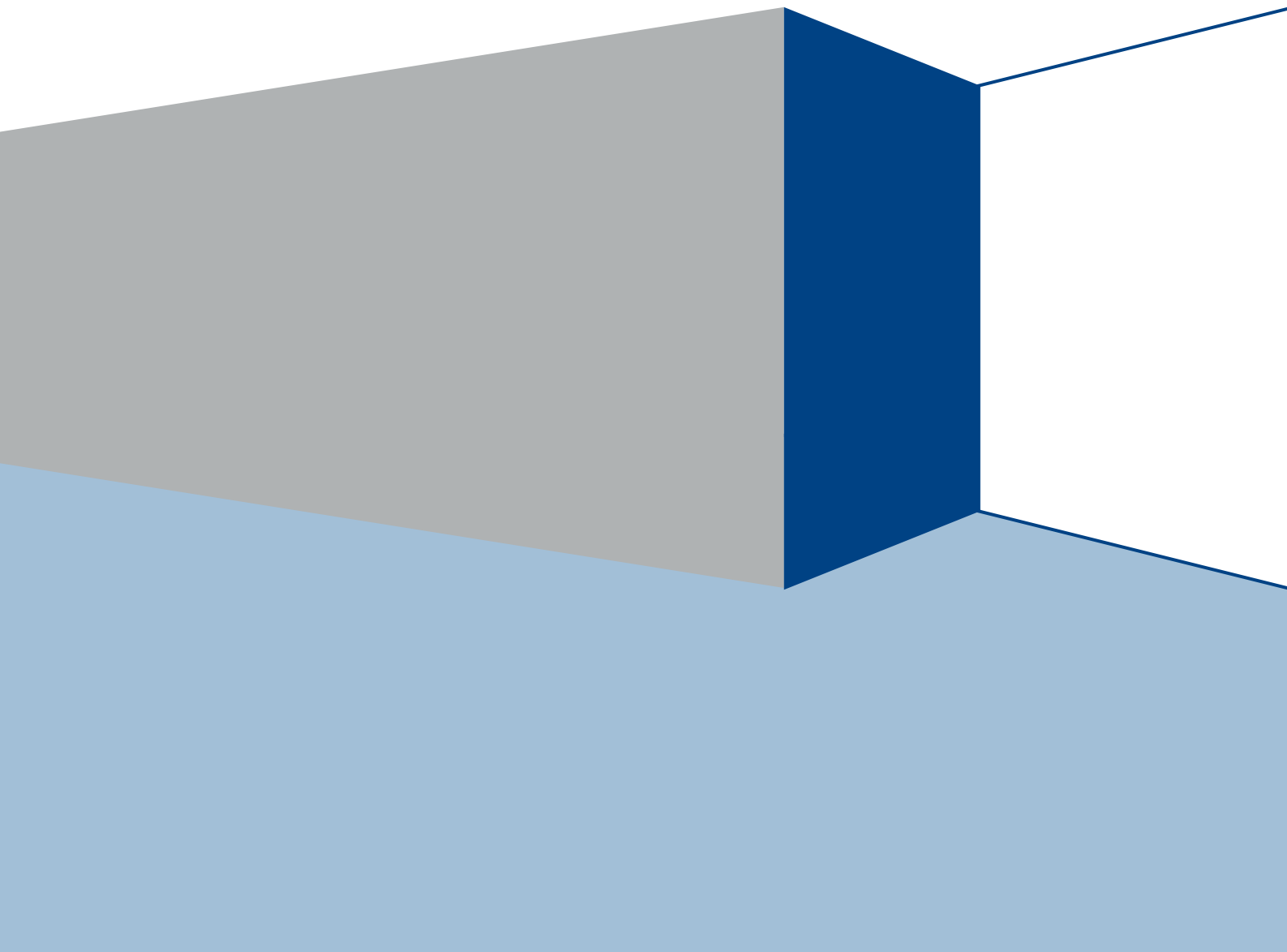


London
Stock Exchange Group

OSLO BØRS CASH EQUITY AND FIXED INCOME MARKET
MIGRATION TO TRADELECT

Go-Live Activities Guide

Weekend 9-10 April 2010



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1. Introduction

As part of their commitment to providing world-leading execution services Oslo Børs has formed a strategic partnership with the London Stock Exchange Group (“the Group”). This will see the migration of the cash equities and fixed income markets to the TradElect platform with Infolect used for market data distribution.

The purpose of this document is to describe the activities that will take place on **Friday 9 and Saturday 10 April** in readiness for go-live on **Monday 12 April**.

1.1 Version Control

Version No.	Description	Date
1.0	Published	March 2010

2. Activities Overview

During the Go-Live preparations customers are required to perform the following activities:

- Disconnect Oslo Børs cash equity and fixed income markets from the Saxess trading platform after close of markets Friday 9 April
- verify connectivity to the TradElect trading system and the correct logon to the Oslo equity and fixed income markets with a minimum of 1 trading connection per software used
- verify connectivity and logon to Infolect with a minimum of 1 USAP per software used
- Perform a full reference data download from Infolect

At the end of the session customers are required to confirm via email that connectivity has been successful.

We would like to remind all customers of their responsibility for the correct operation of their applications.

Customers will be able to view a real-time schedule on the day’s activities on the following website:

<http://www.londonstockexchange.com/weekendactivitymonitor/>

In advance of the Go-Live activities, customers are requested to contact Oslo Børs to confirm their attendance and contact details for each software instance (i.e. email, phone (landline and mobile), software represented).

2.1 Pre-go live Activities

Before the go-live week, customers are requested to have completed all appropriate testing where necessary:

- Conformance testing on TradElect and/or Infolect if required
- General Customer Development Service (CDS) testing covering trading, market data and post trading checks
- Production enablement setup
- Technical network, application and hardware changes, (see Appendix A for production IP address details)
- ISVs to distribute the appropriate software and instructions to members

Customers should ensure that any requests for changes to enablements (that they are planning to test during the go-live weekend), are submitted to Oslo Børs by **Tuesday 30 March**.

2.2 Friday 9 April Activities

Saxess platform:

After close of trading, all customers must close down their connections to the Oslo Børs markets on Saxess. Please also delete all orders after the closing call. Any undeleted orders will be deleted by Oslo Børs.

TradElect platform:

Customers will receive Idle Polls and Reference Data on the G01-G15 Service Channels.

- Closing prices will be sent at approximately 19:00 CET
- Customers will be able to connect to the Interactive Request Interface (IRI) to re-request any missed messages from 18:30 CET until 21:30 CET

Telnet or other TCP connectivity to the Secure Interactive Interface (SII) will not be available until **Saturday 10 April**.

This activity will be supported by the Oslo Børs Service Desk, tel. +47 2234 1818

2.3 Saturday 10 April

Market Data

Reference Data will be sent out at the start of the Go-Live activities to aid testing. Customers should perform a full reference data download to ensure they have the correct instrument reference data. **Closing prices will not be re-disseminated via Infolect on Saturday.** A spreadsheet will be made available on the Oslo Børs Delta website for customers that failed to capture the closing prices on the Friday evening.

http://www.oslobors.no/ob_eng/Oslo-Boers/Trade/Delta

Session Timetable

All times are in Central European Time (CET).

	Start	End
Infolect Connectivity	08:30	13:00
Infolect Reference Data	09:00	09:45
TradElect Connectivity	10:30	13:00

The above schedule of information will be updated in real-time during the session via:

<http://www.londonstockexchange.com/weekendactivitymonitor/>

Live Connection Requirements

Customers should carry out the following:

- Connect each production trading application to the SII using the expected USAP/CompID configuration for go-live
- Connect each production market data application to the IRI using the expected USAP/CompID configuration for go-live
- Customers should perform a full reference data download to ensure they have the correct instrument reference data by 13:00 (CET) at the latest.

Connection Results Confirmation

At the end of the session, customers are required to confirm the success of their day's testing. The preferred approach is to complete the **Go-Live Test Result Confirmation** form (which can be found in Appendix B) to: technicalsupport@oslobors.no confirming all connectivity testing was completed successfully.

Members are requested to include confirmation of their readiness for go-live.

Please return the form on Saturday 10 April by 13:30 (CET) at the latest.

Go-/No-Go Decision

Oslo Børs will publish a final Go-/No-Go decision at the latest 16:00 (CET). The decision will be published on our Delta website, and will also be communicated to customers by e-mail.

Member Support

During the test session, customers should contact the Oslo Børs Service Desk on: +47 2234 1818 or technicalsupport@oslobors.no for technical assistance from 08:30 (CET).

Further information and supporting documentation specific to the Oslo Børs markets' migration to TradElect, can be found at both the Oslo Børs and the Group's websites at the following links:

http://www.obvps.no/obvps_eng/Frontpage/Delta

<http://www.londonstockexchange.com/techguidenotes>

2.4 Post Go-Live

Connectivity to TradElect and Infolect will be available from 04:30 (CET) on **Monday 12 April**. Reference data will be disseminated from 06:00 (CET). **Customers should perform a full reference data download to ensure they have the correct instrument reference data.** Customer support will be available from 06:00 (CET) on +47 2234 1818.

There will be a change freeze in place for new Oslo enablements for 1 week post go-live. Therefore, live connectivity testing (LCON) will not be available until **Monday 19 April** at the earliest.

3. Rollback Procedures

In the unlikely event that Oslo Børs needs to carry out a rollback to the Saxess trading platform, all customers will be notified by e-mail, telephone and by announcement on the Delta website.

Rollback Activities

Activities	Responsible
All orderbooks will be empty (as active orders were deleted Friday 9 April)	Oslo Børs
Submarkets will be unsuspended/activated immediately following a rollback decision	Oslo Børs
Customers must re-activate connection to SAXESS and should perform a logon test after the member's rollback activities have been completed	All customers
Oslo Børs markets will start with empty orderbooks Monday 12 April from 08:15	All Customers

In case of a rollback to the Saxess trading platform, Oslo Børs will have support resources available Sunday 11 April.

Appendix A - Interactive Gateway/Multicast IP Addresses

Interactive Gateway Addressing PROD				
Service Code	Service Description	Exchange IP Address	Port	CompID
FX1	Oslo FIX Secure Interactive	194.169.13.12	61160	LSE001
FX2	Oslo FIX Message Retrieval Service / Own Order Book Download / Own Trades Book Download	194.169.13.27	62260	LSE001
T01	Oslo Native (<i>Legacy</i>) Message Retrieval Service / Own Order Book Download / Own Trades Book Download	194.169.13.25	62200	
T02	Oslo Native (<i>Legacy</i>) Secure Interactive	194.169.13.10	61100	
T03	Oslo Native (<i>Standard</i>) Message Retrieval Service / Own Order Book Download / Own Trades Book Download	194.169.13.25	62200	
T04	Oslo Native (<i>Standard</i>) Secure Interactive	194.169.13.10	61100	
T05	Oslo Native (<i>New</i>) Message Retrieval Service / Own Order Book Download / Own Trades Book Download	194.169.13.25	62200	
T06	Oslo Native (<i>New</i>) Secure Interactive	194.169.13.10	61100	

Multicast Addressing PROD				
Oslo Service Channel	Description	Multicast IP Address	Port	Multicast Source Address
G01	Oslo Equities - Level 1	224.4.6.1	60000	194.169.13.80
G02	Oslo Equities - Level 2	224.4.6.2	60000	194.169.13.80
G03	Oslo Equities (Instrument) Reference Data	224.4.6.3	60000	194.169.13.80
G04	Oslo Fixed Income - Level 1	224.4.6.4	60000	194.169.13.80
G05	Oslo Fixed Income - Level 2	224.4.6.5	60000	194.169.13.80
G06	Oslo Fixed Income (Instrument) Reference Data	224.4.6.6	60000	194.169.13.80
G07	Oslo Warrants - Level 1	224.4.6.7	60000	194.169.13.80
G08	Oslo Warrants - Level 2	224.4.6.8	60000	194.169.13.80
G09	Oslo Warrants (Instrument) Reference Data	224.4.6.9	60000	194.169.13.80
G10	Oslo Market Status Indicators	224.4.6.10	60000	194.169.13.80
G11	Oslo Market Reference Data	224.4.6.11	60000	194.169.13.80
G12	Oslo News	224.4.6.12	60000	194.169.13.80
G13	Oslo Indices	224.4.6.13	60000	194.169.13.80
G14	Government Bond Restricted Auction Level 1	224.4.6.14	60000	194.169.13.80
G15	Government Bond Restricted Auction Level 2	224.4.6.15	60000	194.169.13.80

Appendix B - Go-Live Test Result Confirmation

Date: 10 April 2010

Customer:

Contact person:

Direct phone:

Please verify whether the following actions have been completed successfully

Connectivity:

	YES	NO	Comments:
Logon to TradElect Secure Trading Interface			
Logon to Infolect Interactive			

Market data dissemination:

Market Reference Data received			
Infolect Re-request tested			

Readiness for go-live:

	YES	NO	Comments:
Ready for go-live			



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