

New Trading platforms for Oslo Børs:
- SOLA® for derivatives
- TradElect/Infolect for equities

Welcome:

Harald Næss, Senior VP IT

Project timetable trading platforms

Go-live weekend SOLA 5 - 6 December 2009

Go-live SOLA 7 December 2009

Dress Rehearsals TradElect/Infolect

- 12 December 2009
- 16 January 2010
- 30 January 2010

New Member- and trading rules and new Membership agreements medio Jan 2010

Information meetings January 2010:

- Oslo: 26, 27 and 28 January
- Stockholm: 21 January
- London: Jan 19

Go-live guide to be published 1 February 2010

Go live weekend TradElect/Infolect February 13 - 14 February 2010

Go live TradElect/Infolect February 15 2010

Revised project timetable cash equities-CCP

Market wide tests for Oslo Clearing CCP:

-Weeks 9 - 10

-Weeks 14 – 15, 2010

Free testing by prior arrangement as of week 4 until and including week 12, 2010

Start of production 30 April 2010

SOLA® Go-live
Preben Danielsen

4 December 2009

Go-live

- During week 49:
 - Please check and confirm that all necessary enablements are ok
 - Please return go-live weekend contact information to Oslo Børs

Production environment activities:

- Connectivity: Saturday 9:00 – 24:00
- Market activities: Saturday 11:00 – 14:00

For details and contact information, please see:

7 Dec Oslo Børs migration to SOLA®: go-live guide nr 2

<http://www.oslobors.no/Oslo-Boers/Handel/Delta/SOLA-for-derivatmarkedet/SOLA-informasjon>

Roll-back plans

- Two go/no-go decision points during the weekend
 - 18:00 Saturday 5 December
 - 15:00 Sunday 6 December
- Go/no-go decisions will be communicated
 - By, phone to designated persons
 - By e-mail
 - By a message board on the project website Delta
- Click should be maintained as a valid back-up until further notice
- In case of a no-go decision, please check:
 - That current networks are operative
 - That front-end systems are connected to Click and not to SOLA
 - That the user and log-in credentials are correct

Useful documents for the go-live weekend

- Product offering overview
 - A one page factsheet with all valid product groups offered through SOLA and the EDX London cooperation.
- Production series files
 - Files with all production data (ticker, ISINs, etc) valid for go-live on 7 December
- SOLA vs Click deviation document
 - A working paper with functional differences between the two systems
- Latest HSVF version
 - Version 3.
- 7 Dec Oslo Børs migration to SOLA®: go-live guide nr 2

Project summary

- Intense project with tight time frames
- A few, but important changes to the SOLA system, compared to the North American version
- New system for LSE, EDX and Oslo Børs: Demands of a steep learning curve
- The SOLA derivatives team would like to thank everyone who has contributed to reaching the goal of launching SOLA in time

TradElect/Infolect Dress Rehearsals:

- *Stuart English, London Stock Exchange Group*
- *Jan Stenmoe, VP IT Systems*
- *Bodil Østby, VP Fixed Income*

4 December 2009

Pre-rehearsal required activities

- All appropriate testing should be completed
 - Conformance testing on TradElect/Infolect if required
 - General CDS testing
 - Production enablement setup
 - Technical network, application and hardware changes
 - ISVs to distribute appropriate software/instructions to members
- Conformance testing if required
 - Affects system providers and members with in-house developed systems
- Go through the Oslo Børs' migration to TradElect/Infolect project documentation available on project website
 - See http://www.oslobors.no/ob_eng/Oslo-Boers/Trade/Delta
- Confirm participation and relevant contact details for staff conducting rehearsals to technicalsupport@oslobors.no

Pre-rehearsal preparations

- Idle Polls and Reference Data to be received on the G01-G15 Service Channels
- Market Reference Data will be sent out at the start of each Dress Rehearsal
- Oslo Børs News (Service Channel G12) and indices (Service Channel G13) messages will be disseminated
- All instruments will be entered with previous day's reference price
 - Closing prices for equity segments only will be disseminated via Infolect after Friday market close ahead of each Dress Rehearsal

Required Dress Rehearsal activities

All members are required to:

- Verify connectivity to TradElect and to the market(s) relevant for each participant
- Verify connectivity and logon to Infolect
- Verify correctness of main trading functions
 - Proprietary software
 - 3rd party software applications

All vendors are required to:

- Verify connectivity and logon to Infolect
- Verify correct message handling of the market data feed through Infolect

Logon procedure

Minimum requirements:

- Connect each trading application to TradElect Secure (SI) Trading Interface using a minimum of 1 connection per software used
- Connect each market data application to the Infolect Interactive (II) using a minimum of 1 USAP per software used
- It is required to test with full production 'go live' configuration

Market data dissemination

- Check receipt of market reference data
- Check receipt of real time feed (orders and prices)
- Check all appropriate ISV/Software market data functionality
- Infolect Re-request
 - Minimum of 1 message, will be prompted by line block during reference data dissemination or customer logging on afterwards

Rollback procedures

- Logout each trading application from TradElect/Infolect
- Restore/rollback production trading application version and data
- Confirm test results after each Dress Rehearsal to technicalsupport@oslobors.no
- If relevant confirm readiness for next trading day's activities
- Confirm readiness for go live after Dress Rehearsal on 30 January

Oslo Børs FixGateway

- New service delivered by Oslo Børs
- Drop Copy-solution which provides a consolidated feed of trades from the FIX- and Native SETS-interfaces
- Provides members with a full overview of own trades
- Provides agent banks with a full overview of customers' trades
- The service is available for testing through all Dress Rehearsals

Session Timetable

- The schedule will be updated in real-time during all three Dress Rehearsals on <http://www.londonstockexchange.com/weekendactivitymonitor/>

	Start	End
TradElect Connectivity	09:00	16:00
Infolect Connectivity	09:00	16:00
Infolect Reference Data	10:00	10:45
TradElect Functional Testing	11:00	16:00
TradElect High Volume Period	12:00	12:30

Trading activity to be performed

- Enter orders
- Modify orders
- Cancel orders
- Cancel trades
- Enter Trade Report
- Own Order Book Download
- Own Trades Book Download
- Check all other appropriate ISV/Software trading functionality

Market Supervision activities to be performed

- Halt and resume individual instruments
- Halt and resume multiple instruments
- Halt and resume segments
- Perform instruments trading period changes
- Customer order deletions (individual or multiple) in conjunction with customer approval

Business schedule cash equities segments

Start time	Market activity
11:00	Start order entry/maintenance. System open for manual trade reports
11:15	Opening auction
15:00	End of continuous trading
15:05	Closing auction
15:30	Stop trade reporting/publishing service/order deletion
15:30	Order expiry and time

Business schedule Fixed income segments

	SEGMENTS			
Market activity	OBAU	OBOC	OABM	OBTM, OABT
Start order entry/maintenance. System open for manual trade reports	11:00	11:00	11:15	11:15
Start BBO	11:05	11:05	11:15	11:15
Opening auction	11:15	11:15	N/A	N/A
Closing auction	N/A	14:59	N/A	N/A
End of continuous trading	15:00	15:00	15:00	15:00
Stop trade reporting/publishing service/order deletion	15:00	15:00	15:00	15:00
Order expiry end time	15:00	15:00	15:00	15:00

Issuing auction/buy back segment

The following will be applicable to the issuing auction (OBIA) and buy back segments (OBBA and UBUB)

Start time	Market activity
11:45	Order book opens for order registration by members and central bank
12:30	Order book closes for order registration by members and central bank. Order may be deleted by Oslo Børs.
12:35	Order book opens for order registration by central bank
12:40	Allocation performed
15:00	Order expiry time

Matador Fixed Income

- Conformance test completed
- Acceptance test being performed
- Member access:
 - Some has been given access and has started testing
 - Others will be given access once enablement process has been completed

- Questions related to MFI:
 - obligasjoner@oslobors.no

Questions to Oslo Børs during Dress Rehearsals

- Questions related to connectivity/other DR-related questions:
 - Technicalsupport@oslobors.no, tel +47 2234 1818
- Questions related to market setup and configuration:
 - MA@oslobors.no, tel +47 2234 1945

Q&As?

