

# ESES Stream 3 and SOB testing and launching plan

NYSE Euronext, LCH.Clearnet, Fininfo and Euroclear  
common testing guide

# ESES S3 and SOB testing and launching plan

## Content

- Introduction
- Objectives
- Launch strategy
- Testing scope & limits
- General overview and testing phases
- Environment
- Principles
- Readiness/homologation criteria
- Documentation
- Contacts

# ESES S3 and SOB testing and launching plan

## Introduction

- ESES – SOB client testing phases are defined and synchronised between NYSE Euronext, LCH.CLEARNET, FININFO and EUROCLEAR
- Common NYSE Euronext, LCH.CLEARNET, FININFO and EUROCLEAR testing guidelines
- Common overview which will be outlined by each entity in their specific clients meetings

# ESES S3 and SOB testing and launching plan

## Objectives testing guide

- Allow Members to get ready to integrate new/updated functionalities of SOB and ESES stream 3 projects
- Provide “end to end” testing on Paris, Brussels and Amsterdam segments for cash and settlement
- Share information of the main processes related to the launch and the run of both projects
- Ensure members and infrastructures are fully prepared for a successful launch of Single Order Book and ESES Stream 3

# ESES S3 and SOB testing and launching plan

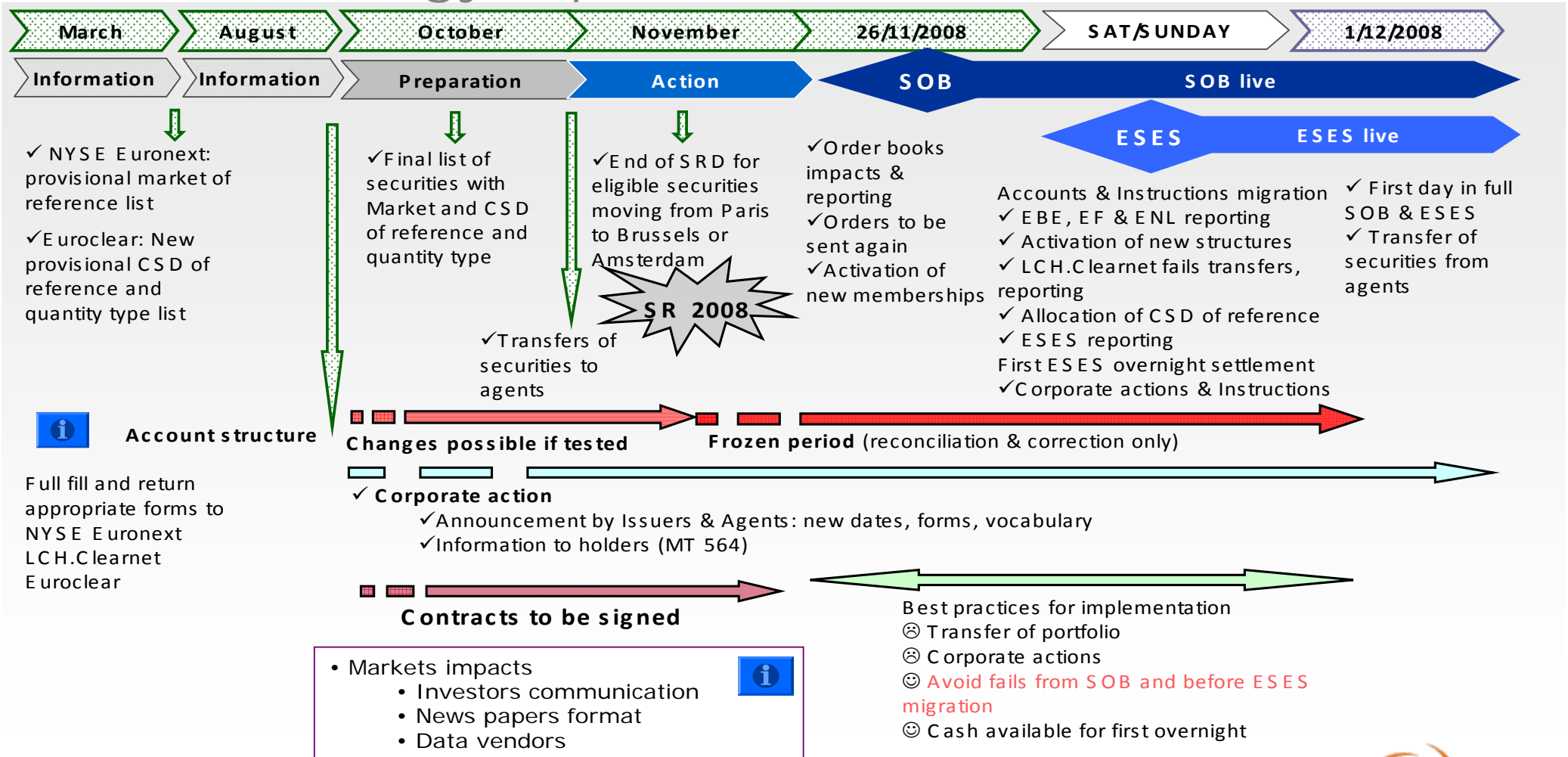
## Launch strategy

### Launch strategy of ESES and SOB is phased

- Step 1 Launch ESES technical components for installing CCI and feeding « Dutch and Belgian » Corporate actions before launching ESES Stream 3
- Step 2 Launch SOB – 3 days before ESES Stream 3
- Step 3 Launch ESES Stream 3 in TARGET2 for Dutch and Belgian participants

# ESES S3 and SOB testing and launching plan

## Launch strategy implementation



# ESES S3 and SOB testing and launching plan

## Testing scope

- Testing is based on the launch strategy. The ESES Stream 3 testing phases are **mandatory for all LCH.Clearnet and Euroclear participants**. NYSE Euronext strongly recommends participation of all trading members, although this is not mandatory.
- Tests are mainly focused on the multi-listed instruments for NYSE Euronext and LCH.Clearnet
- Two launch rehearsals will be organised
- Each launch rehearsal will be followed by a scripted test period
- Each scripted test period will be followed by free and debug test period
- During the testing period, the test platforms are connected from trading to settlement to allow end-to-end tests

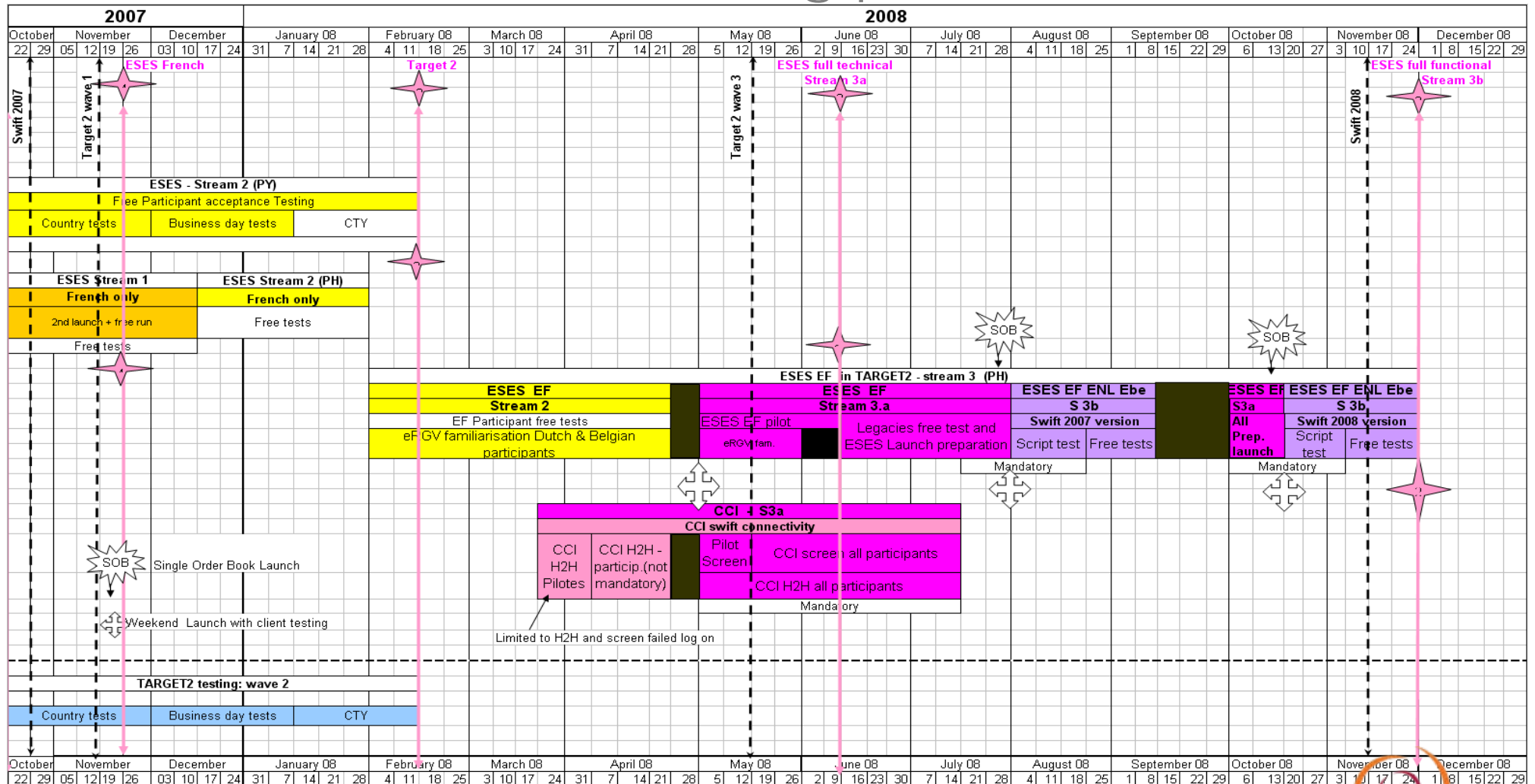
# ESES S3 and SOB testing and launching plan

## Testing scope & limits

- IN scope :
  - SOB and ESES Stream 3 launch and running mode
  - Full settlement functions for Euroclear Dutch and Belgian participants
  - Full payment functions for Euroclear Nederland and Belgium participants
  - Full corporate action functions for Euroclear France, Nederland and Belgium participants
- OUT of Scope:
  - Performance and settlement efficiency Tests
  - Volume tests
  - LCH.Clearnet Lisbon segment

# ESES S3 and SOB testing and launching plan

## General overview and testing phases



# ESES S3 and SOB testing and launching plan

## General overview and testing phases

- **ESES Stream 3 version in TARGET2 (pink and mauve phases):**
  - From February to mid-July 2008: pre-ESES Stream 3 testing phases
    - ✓ February to end May 2008: eRGV familiarisation
    - ✓ End March to end April 2008: CCI SWIFT connectivity (without back-end)
    - ✓ Beginning of May 2008: Launch rehearsal of the ESES S3a technical launch (during the weekend but participants are not involved)
    - ✓ May to mid-July 2008: CCI functional connectivity tests
    - ✓ May to mid-June 2008: ESES regression tests with EF pilots

# ESES S3 and SOB testing and launching plan

## General overview and testing phases

- **ESES Stream 3 - Full version (pink and mauve phases) (con't) :**
  - From mid-June to end November 2008: ESES full end-to end testing
    - ✓ Mid-June to mid-September 2008: preparation phase for first launch rehearsal test followed by rehearsal (early August) and by day-for-day testing in **SWIFT 2007** version
    - ✓ October to end November 2008: second launch rehearsal test followed by day-for-day testing in **SWIFT 2008** version
    - ✓ Assessment of test results after each test phase – results to be communicated in the implementation committees and in the Market Advisory Committees

# ESES S3 and SOB testing and launching plan

## General overview and testing phases conclusion

- ESES Stream 3 testing phases will allow participants to:
  - Repeat launch preparation of SOB and ESES
  - Rehearse twice the SOB and ESES Launch
  - Validate SOB and ESES running mode during 12 weeks
  - Get familiar with SOB and ESES before production
  - Rehearse launch of SWIFT 2008 version at Euroclear's level

# ESES S3 and SOB testing and launching plan

## Environment

- Connections of the tests platforms :



\* *Clearing payments out of the scope*

\*\* *Only when TARGET2 will be in 24/24h mode*

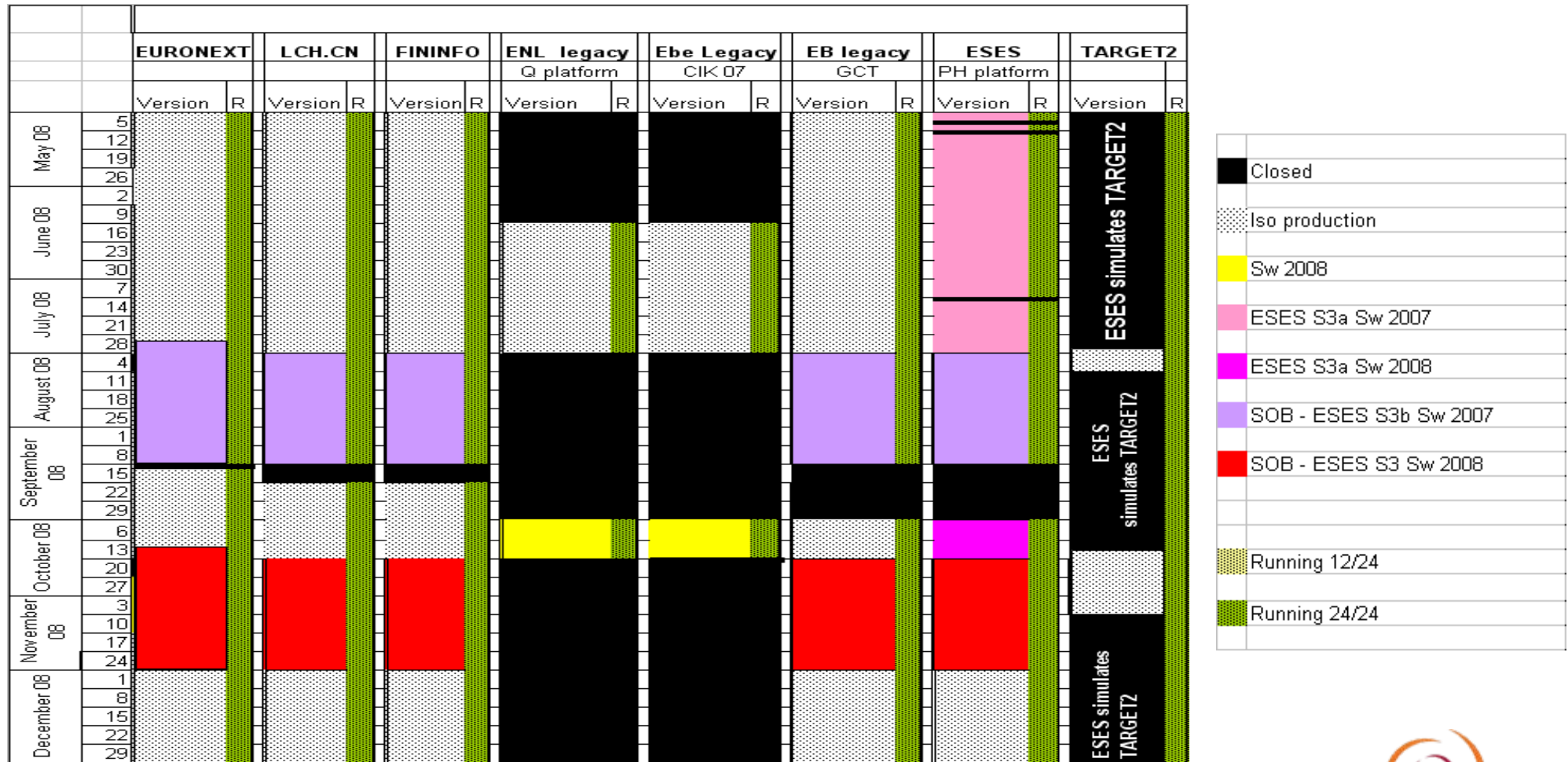
# ESES S3 and SOB testing and launching plan

## Environment

- The tests platforms will be in 24/24h mode
- All platforms NYSE Euronext, LCH.Clearnet, Fininfo, EF, EBe, ENL and EB will use **security** reference data initialised by a production snapshot (April 11, 2008). Production corporate actions won't be installed into test platforms
- Euroclear France will refresh its platform with only production **security** reference data the associated balances will be modified with predefined values (zero or fixed)
- Euroclear Nederland will refresh *its* platforms with production **securities, parties, balances and instructions** data.
- Euroclear Belgium will refresh its platforms with production **securities, parties, balances and instructions** data. For panel of securities EBe will modify the balances with predefined values (zero or fixed).
- Common sample of mono and multi-listed securities dedicated to scripted tests on the 3 markets
  - Last reference price of production recommended for order entries
  - At the end of the trading day: NYSE Euronext will ensure liquidity market for some dedicated securities or on request
  - At LCH.Clearnet's level: few monitored tests for position conversions/transfers
  - At Euroclear's level: follow-up of testing activity
  - Corporate actions scheduled

# ESES S3 and SOB testing and launching plan

## Environment



# ESES S3 and SOB testing and launching plan

## Principles

Stock exchange trades & OTC Transactions		D Day - N (N>3) PRE LAUNCHES PERIOD	D Day - 3 SOB LAUNCH	D Day - 2 to -1 INTER-MEDIARY PERIOD	D Day ESES LAUNCH	D Day to D+N POST LAUNCHES PERIOD
		Pre launch Tests		Post launch tests		
NYSE Euronext	STOCK EXCHANGE TRADES	→ Injection of trades from members				
LCH.CLEARNET		Information sent to the members from NYSE Euronext				
		Receipt and handling of the trades				
		Fails positions conversion and transfer management at D-1				
		Information sent to the members from LCH.Clearnet				
EUROCLEAR	OTC TRANSACTIONS	Receipt and handling of the clearing files.				
		Information sent to the participants from the (I)CSD				
		→ Injection of OTC transactions from participants				
		Information sent to the participants from the (I)CSD				

# ESES S3 and SOB testing and launching plan

Principles : Common sample of Corporate actions and securities

	2 months before tests	before tests	TESTS PERIOD	
			payment date - 5 days	
FININFO	Definition and publication of a common sample of corporate actions and securities	Publication of Modification on common sample of corporate actions and securities  (if necessary)	Corporate actions and securities files sent to participants	
NYSE EURONEXT				Application of corporate actions of the common sample + Reference prices of production
LCH.CLEARNET				Application of corporate actions of the common sample + market claims & transformations
EUROCLEAR				Application of corporate actions of the common sample + market claims & transformations & reverse claims

# ESES S3 and SOB testing and launching plan

## Readiness/homologation criteria

- Common

To succeed: end to end testing, launch rehearsals, Application of corporate actions of the common sample + market claims & transformations at each business level...

- Trading

Check accreditation for European passport and ability before and after SOB to trade on multi-securities

### Clearing

Modified account structures successfully checked

Integrate fails positions conversion/transfers into Member's systems at the launch of ESES

- Settlement

Each CSD checks that each participant has made the mandatory tests corresponding to his production activity as defined on ESES platform in stream 3 configuration.

- Market Data dissemination

- A specific tests environment is dedicated
- A data file in « announcement mode » including all corporate actions is sent each 1st day of the testing period
- A data file « treatment mode » is sent every day during the testing period according to the order of dates of the corporate actions

# ESES S3 and SOB testing and launching plan

## Documentation

- Trading

- 📄 Single Order Book Business Specifications, v. 2.0
- 📄 Messages exchanged between MMTP SLEs and the TCS application, v5.6
- 📄 Other documentation available at:  
<http://www.euronext.com/forourclient/mrdoc/general/wide/mrDoc-3480-EN.html>

- Clearing

- 📄 Detailed testing guide (to be published in May)
- 📄 Other documentation available at: <http://www.lchclearnet.com/projects/eses/default.asp>

- Settlement

- 📄 DSD Testing stream 3 : Description of tests
- 📄 Getting Started kit stream 3 : Client set-up
- 📄 Migration forms
- 📄 PERT for the rehearsal
- 📄 Error and information News : To inform the participants about the errors found during the tests phase to correct and some information about the ESES tests platform

- Market Data dissemination

- 📄 Information about common rules in ESES and new processing of securities with SOB
- 📄 News flash for last minute information (change of securities, dates of corporate actions)

# ESES S3 and SOB testing and launching plan

## Contacts

- Trading

[CTS@euronext.com](mailto:CTS@euronext.com) / 00.33(0)1.49. 27.50.50 : Technical & Functional Questions on the SOB tests

[membership@euronext.com](mailto:membership@euronext.com) / 00.31(0)20.550.44.25 : Members enabling on the SOB project

- Clearing

Product implementation team:

[joelle.devars@lchclearnet.com](mailto:joelle.devars@lchclearnet.com)

Joëlle Devars +33 1 70 37 65 85

[christophe.robert@lchclearnet.com](mailto:christophe.robert@lchclearnet.com)

Christophe Robert +33 1 70 37 67 08

[catherine.mollard@lchclearnet.com](mailto:catherine.mollard@lchclearnet.com)

Catherine Mollard: +33 1 70 37 66 57

- Settlement

[Eses.info@euroclear.com](mailto:Eses.info@euroclear.com) / 00.33(0)1.55.34.56.56 : Functional & Generic Questions on the ESES project

[Eses.connectivity@euroclear.com](mailto:Eses.connectivity@euroclear.com) / 00.33(0)1.55.34.87.99 : Technical Questions on communication channels

[Ebe.testing@euroclear.com](mailto:Ebe.testing@euroclear.com) / 00.32(0)2.337.59.31: Functional Questions on the ESES tests for EBe

[Homologation@euroclear.com](mailto:Homologation@euroclear.com) / 00.33(0)1.55.34.56.26 : Functional Questions on the ESES tests for EF

[Enl.testing@euroclear.com](mailto:Enl.testing@euroclear.com) / 00.31(0)20.552.1640: Functional Questions on the ESES tests for ENL

## Market Data dissemination

[ssu@fininfo.fr](mailto:ssu@fininfo.fr) Users Support + 33.1.47.29.57.47



