



Bclear Live Preparation Guide

Euronext.liffe's Cleared Service for Wholesale Equity Derivatives

Released 1.0

October 2005

Preface

Members wishing to register trades using Bclear, Euronext.liffe's new cleared service for wholesale equity derivatives, will need to register and complete some simple installation procedures prior to using the live Bclear service.

This document provides guidance for members wishing to use the live Bclear service including the technical and security requirements and the steps that members need to take prior to using the service. It also gives contact details for Exchange Officials who will be able to help members in their preparations for using the live Bclear service.

Associated Documents

Below is a list of associated documents, which either should be read in conjunction with this document or which provide other relevant information for the user:

Bclear User Guide
Bclear – How the Service Works (presentation)
Bclear Member Testing Guidelines

These and other documents are available from: www.euronext.com/bclear

Table of Contents

1.	Introduction.....	4
2.	Bclear Service Requirements	6
2.1	Membership of the Euronext.liffe London market (LIFFE).....	6
2.2	Responsible Person	6
2.3	Bclear ITMs	6
2.4	Bclear Certificates	7
2.5	Bclear User IDs	7
2.6	Member Subscriptions for Bclear products	8
2.7	Member Clearing Agreement for Bclear products	8
2.8	Bclear Software License Agreement.....	9
3.	Bclear Technical Requirements and Security.....	10
3.1	Internet Browser and Operating System Requirements	10
3.2	Recommended PC Specification	10
3.3	Internet Access	10
3.4	Back Office System Specification	10
4.	Certificate Download and Installation.....	11
4.1	Security Certificate Download	11
4.2	Security Certificate Installation.....	11
5.	Live Connectivity.....	17
6.	Member Testing	18
6.1	Bclear Demonstration.....	18
7.	Points of Contact.....	19
	Appendix A. Bclear Registration Forms	20
A.1	Bclear / LIFFE CONNECT® Registration Form for Responsible Persons (“RP”).....	20
A.2	Bclear User ID Registration Form for a Responsible Person (“RP”)	22

1. Introduction

The Bclear live service is available to members from **24 October 2005**.

The Bclear service replaces the existing Flex® Facility for Flexible FTSE 100 Index Options and Flexible UK Individual Equity Options and the exchange's OTC Facility. Contracts traded on the Flex® Service will be available on Bclear.

The Flex® Facility will continue to be available after the launch of the Bclear live service until the end of 2005. This is intended to allow Flex® Facility users time to migrate to Bclear.

To access the Bclear live service, members must :

- Satisfy the Service Requirements for Bclear. See Section 2
- Register one or more Responsible Persons for the Bclear live service. See Section 2.2
- Request Bclear User IDs for the Bclear live service. See Section 2.5
- Confirm that the Bclear Technical Requirements are met. See Section 3
- Install the certificates in each user's web browser. See Section 4

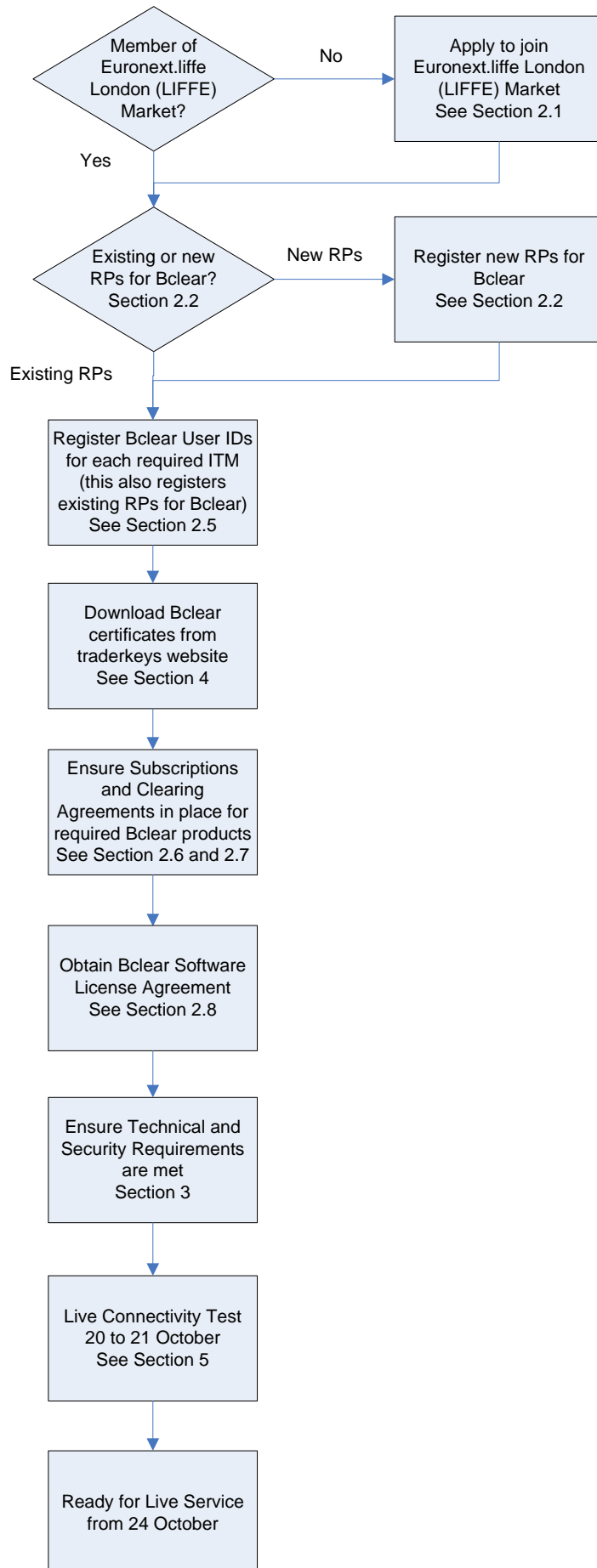
Details of these steps are covered in the main body of this document.

A live connectivity test service will be available from **20 to 21 October 2005**, this will give members an opportunity to test connection to the Bclear live servers. Details of the live connectivity test service are covered in the main body of this document.

Prior to the Bclear live service launch, members are strongly encouraged to use the Bclear Member Test environment. For further information, refer to the Bclear Member Testing Guidelines Document.

The Bclear live market will be available for trade submission between 08:00 and 17:00 hours (London time). The live environment will remain available after the market closes for viewing of trade histories and other audit activities until 22:00 hours (London time).

The following diagram summarises the Bclear live preparation steps.



2. Bclear Service Requirements

Members must satisfy the requirements below to be able to use Bclear.

2.1 Membership of the Euronext.liffe London market (LIFFE)

Members who are not already participants in the Euronext.liffe London market (LIFFE) will need to apply for membership of this market.

For further information regarding membership to the LIFFE market, please refer to www.euronext.com/derivatives > For our clients > Derivatives members or email membership@liffe.com.

2.2 Responsible Person

To use the Bclear live service, members need to register Responsible Persons (RPs) for Bclear. RPs have one or more Individual Trader Mnemonics (ITMs) assigned to them.

An existing LIFFE CONNECT® RP can become an RP for Bclear. This requires the RP to register to use Bclear.

Alternatively, new RPs can be registered to use Bclear and new ITMs will be issued for these RPs.

Existing RPs can register for Bclear by requesting Bclear User IDs for each existing ITM to be used to access Bclear (see Section 2.5).

New RPs for Bclear must complete the **Bclear / LIFFE CONNECT® Registration Form for Responsible Persons (“RP”)** (see Appendix A). RPs can request one or more ITMs to be assigned.

When Bclear RPs are registered, the Membership Operations team will issue Bclear certificates for the ITMs requested.

2.3 Bclear ITMs

Bclear users have an allocated Individual Trader Mnemonic (ITM) like LIFFE CONNECT® users.

Trades entered into Bclear are identified by ITM in the same way as orders and trades entered into LIFFE CONNECT®.

It is possible for several users from the same member organisation to share the same ITM.

Members can either request the same ITMs to access Bclear as they use to access LIFFE CONNECT® or request new ITMs that are only to be used on Bclear.

ITMs for Bclear are requested at the time when Bclear Responsible Persons are registered. The application procedure for Bclear RPs (and ITMs) is described in Section 2.2.

2.4 Bclear Certificates

Access to the Bclear Live environment requires the user to install a digital certificate into their web browser for their ITM.

Note that the certificate required to access Bclear is different to that used to access LIFFE CONNECT®. Note also that live Bclear certificates are incompatible with test Bclear certificates.

Security certificates are issued with a three character ITM as used for LIFFE CONNECT®, they have the file extension .p12 and are sometimes referred to as P12 certificates. Eg. A Bclear certificate for ITM ABC would be called ABC.p12.

Bclear certificates are issued by the Membership Operations Team for all ITMs requested when Bclear RPs are registered. See Section 2.2 for details.

Bclear security certificates are downloaded in the same way as LIFFE CONNECT® certificates from the <http://traderkey.com> web site by the Member Bclear / LIFFE CONNECT® Administrator (MCA) using their LIFFE CONNECT® MCA Ref and Password.

When a user attempts to connect to the Bclear server, the security certificate is validated. If the security certificate is missing or invalid, the user is presented with an error message:

“The page cannot be displayed”

If the security certificate is valid, the login screen is presented and the ITM is extracted from the certificate and shown on the login screen.

The instructions for downloading and installing certificates are provided in Section 4.

2.5 Bclear User IDs

Each Bclear user also requires a User ID and password to login to the Bclear server. The Bclear User ID can only be used with the user's Bclear security certificate (ITM).

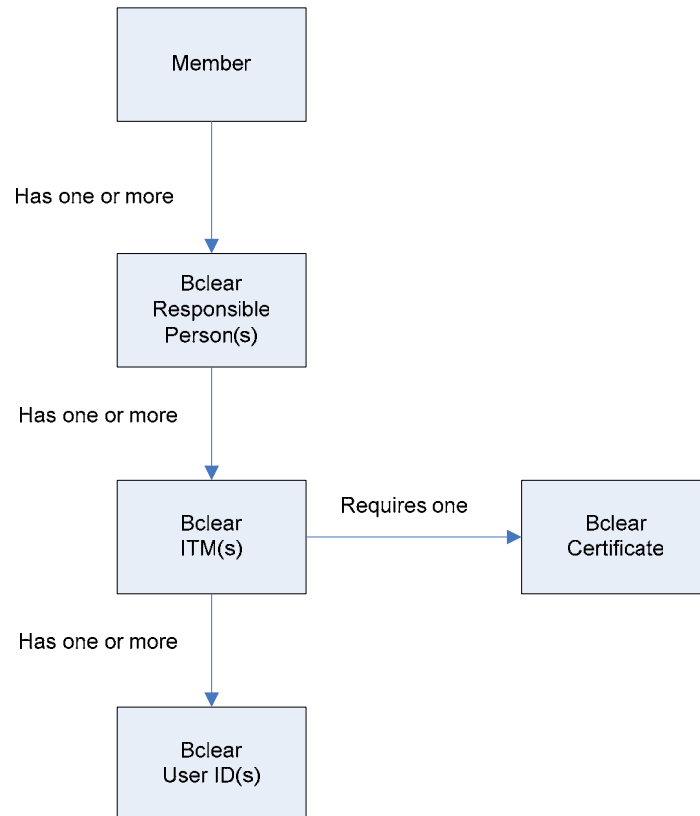
When a user connects successfully to the Bclear server, their ITM is extracted from their security certificate and shown on the login page. The user then enters their User ID and password. The login will only be successful if the User ID, password and ITM pass the validation check and the user is not locked out.

User IDs are requested by completing the **Bclear User ID Registration Form for a Responsible Person (“RP”)** (see Appendix A).

When an existing LIFFE CONNECT® RP applies for Bclear User IDs this effectively registers this RP as a Bclear RP.

User IDs and passwords will be allocated by the Membership Operations Team; MCA will be emailed to contact Membership Ops to obtain their User ID and password when available.

The following diagram shows the relationship between Members, Responsible Persons, ITMs, Certificates and Bclear User IDs. The labels on the arrows between the boxes in the diagram indicate the relationship between the items in the boxes. So as an example, it indicates that “A Member has one or more Responsible Persons”.



2.6 Member Subscriptions for Bclear products

Members must ensure that subscriptions are in place for Bclear products to be traded.

Subscriptions for Bclear are the same as those for LIFFE CONNECT[®] LIFFE market so if members wish to trade the same types of products on Bclear as LIFFE CONNECT[®] no additional subscriptions are required.

The following categories of products require separate subscriptions so members wishing to trade all Bclear products require subscriptions to all of these product categories :

- Individual Equity Option products
- Index Option products
- Index Futures products

For more details of member subscriptions, please email membershipops@liffe.com

2.7 Member Clearing Agreement for Bclear products

Members must ensure that clearing agreements are in place for the Bclear products to be traded/cleared on Financials / Equities.

To only claim trades, members must ensure that the appropriate entitlement is set up in the membership database for Financials / Equities.

Member Clearing Agreements for Bclear are the same as those for the LIFFE CONNECT[®] LIFFE market so if members wish to trade or clear the same types of products on Bclear as LIFFE CONNECT[®] no additional Member Clearing Agreement are required.

To clear trades in Individual Equity Option or Index Option products, members require General Clearing Member or Individual Clearing Member status for Equities TRS.

To clear trades in Index Futures products, members require General Clearing Member or Individual Clearing Member status for Financials TRS.

Non Clearing Members should ensure they have the appropriate Financial and/or Equities Clearing agreement in place with a GCM.

For more details of clearing status or agreements, please email membershipops@liffe.com.

2.8 Bclear Software License Agreement

Members must have a Bclear software license agreement to use the Bclear live service.

Your Account Manager will contact you about the Bclear Software License Agreement.

3. Bclear Technical Requirements and Security

3.1 Internet Browser and Operating System Requirements

Bclear will be supported for the following operating systems and internet browser versions:

- Microsoft™ Windows 2000, Microsoft™ Windows Server 2003, Microsoft™ Windows XP
- Microsoft Internet Explorer V6.0.

The following Internet Explorer settings are necessary for the Bclear application:

- Pop-ups must be allowed for the Bclear site
- Privacy internet options: Cookies must be allowed for the Bclear site
- Advanced internet options: Use SSL (this is the IE default setting)
- Security internet options: Scripting must be enabled (this is the IE default setting)

3.2 Recommended PC Specification

The recommended minimum PC specification to run the internet browser for Bclear is:

Processor speed: 1GHz
Memory: 512Mb

3.3 Internet Access

Access to the Internet is required.

To confirm internet access is available, try connecting to the Bclear URL:
<http://www.euronext.com/bclear>

Note that the live Bclear service will not be available for members to login to until the live connectivity sessions start on **20 October 2005**.

When the live Bclear service is available a web browser with the user's live Bclear certificate installed is required to connect to Bclear via the Bclear URL above.

At the Bclear login page, enter the designated User ID and password.

When logging on for the first time users will be prompted to change their password.

3.4 Back Office System Specification

Middle and Back Office Systems require an upgrade to support Bclear. Before using the Bclear service, please ensure that your Middle and Back Office Systems are capable of supporting Bclear.

4. Certificate Download and Installation

4.1 Security Certificate Download

Bclear security certificates are downloaded in the same way as LIFFE CONNECT[®] certificates. The certificate itself is a single file with a three character filename that matches the ITM and a file extension of .p12. e.g. GF1.p12

Bclear security certificates are downloaded from the <http://traderkey.com> website by the Member Bclear / LIFFE CONNECT[®] Administrator (MCA) using their LIFFE CONNECT[®] MCA Ref and password.

The ITM-encrypted-password.exe file for the ITM can also be downloaded by the MCA from the <http://traderkey.com> website. This program can be used by the MCA to decrypt the password for the Bclear security certificate. Where the ITM is used for both the LIFFE CONNECT[®] and Bclear certificate the exe file password will apply to both.

Note that the LIFFE CONNECT[®] ITM.pem, cacert.pem and server.pem files are not required for Bclear.

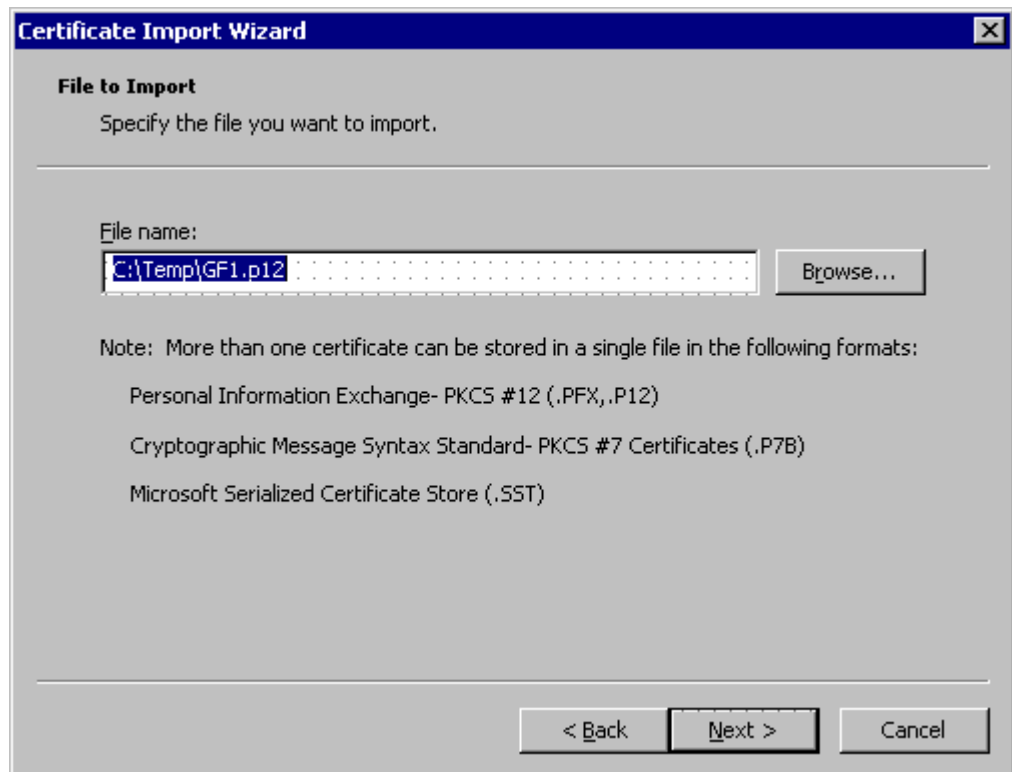
The Bclear security certificate file should be saved in a secure location that is accessible to the machine or machines that will use it to access the Bclear live service.

4.2 Security Certificate Installation

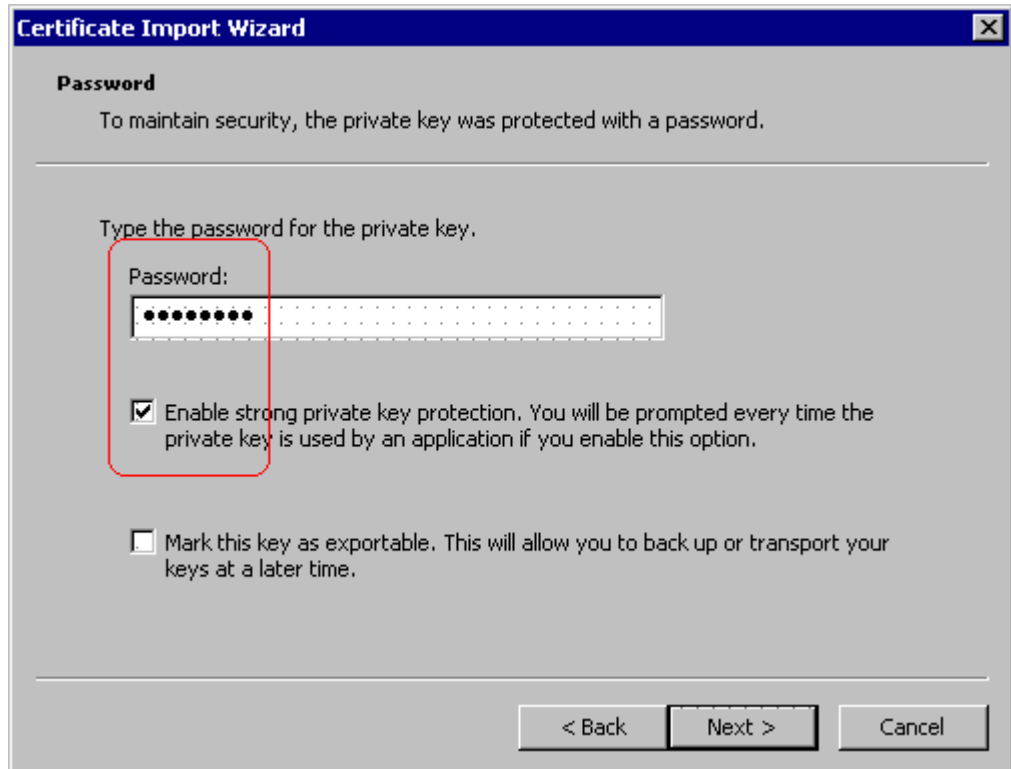
1. The user should locate the Bclear security certificate file using Windows Explorer and double-click the file. This will launch the 'Certificate Install Wizard'.



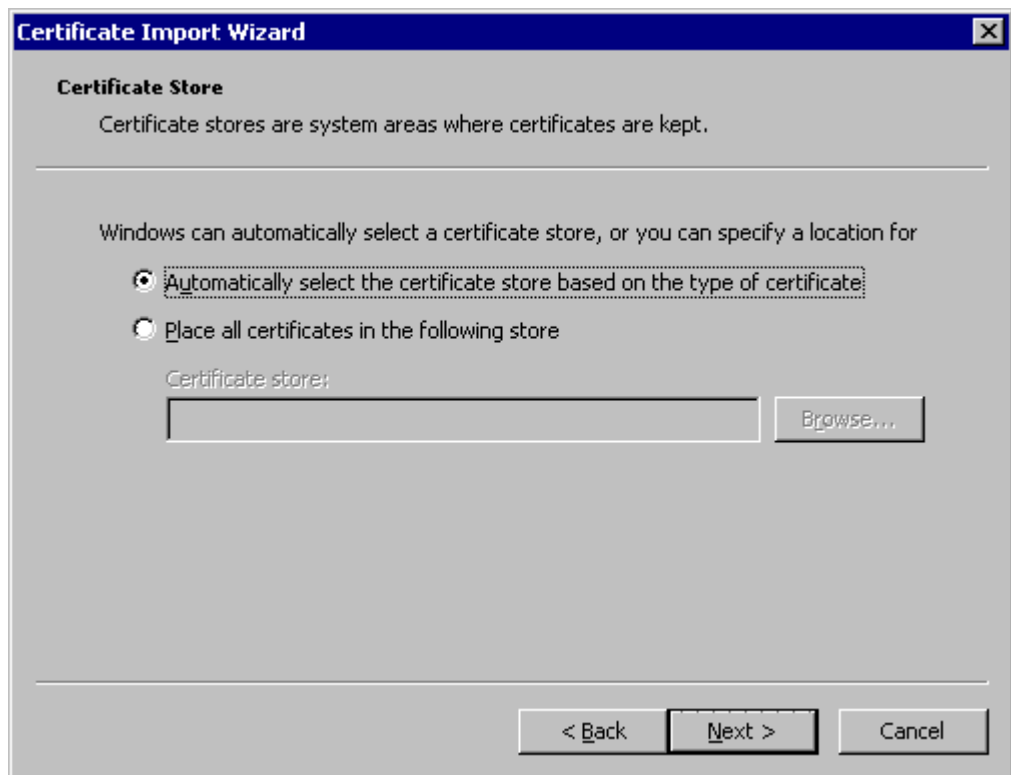
2. Click the **Next** button to continue.



3. Enter the path of the certificate in the File name field and click the **Next** button.
- 4.



5. Enter the password for the certificate that has been decrypted by the MCA and click the **Next** button.



6. Ensure the box shown above is checked and click the **Next** button.



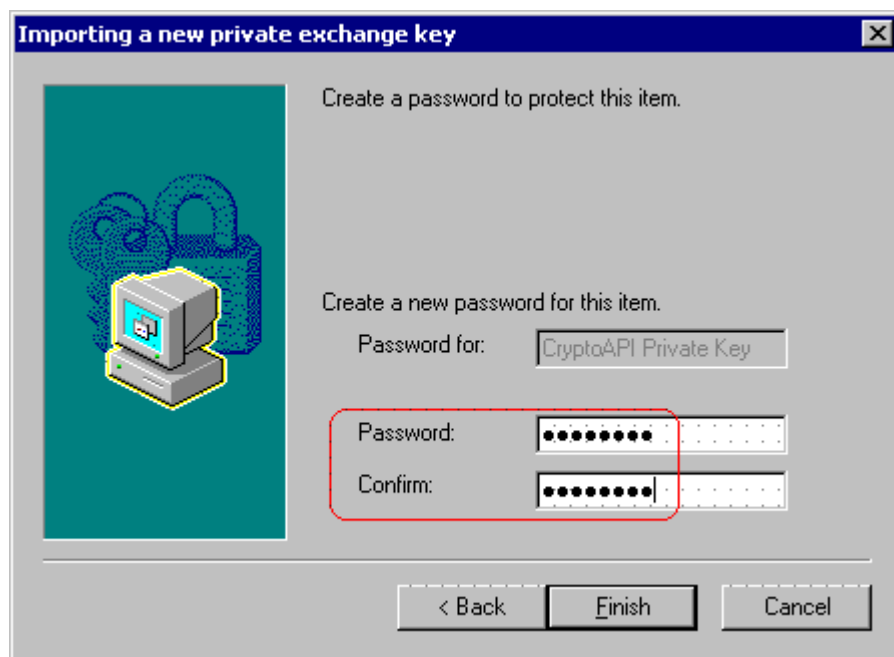
7. Click the **Finish** button. The following dialogue box is displayed:



8. Click the **Set Security Level** button. This gives the user the option of being prompted for the key that should be used when connecting to a web site. **The security level can be set at the user's discretion.** High security level is recommended if more than one user has their key installed in the browser (e.g. users hot-desking the same machine). Please note that this requires the user to enter a password every time the certificate is used.



9. Selecting 'Medium' will just prompt for the user's permission, but a password does not have to be entered each time the certificate is used. This should only be used if the user does not share the PC with anyone else, and it is physically secure from other users.
10. Select 'High' security if desired. This will prompt the user for a password (defined in the following screen). This password must then be entered each time the certificate is used.
11. Click the **Next** button to continue.
12. If High Security Level is selected, the following window is displayed.



13. Enter and confirm a password.

14. Click the **Next** button to continue.



15. Click the **OK** button.



16. On the confirmation message, click the **OK** button to finish.

5. Live Connectivity

From **20 to 21 October 2005**, 'live' connectivity sessions will be available. The purpose of these sessions is to allow users to connect to the live Bclear servers to give confidence that they will be able to access the service from the launch.

The live connectivity sessions are not mandatory but highly recommended.

To achieve connectivity users require their live Bclear security certificate to be installed in their web browser.

Users can connect to the Bclear servers via the Bclear URL:
<http://www.euronext.com/bclear>

Then navigate to access the live Bclear service.

At the Bclear live login page, users must enter their live Bclear User ID and password.

Users will not be able to enter trades.

For details of the login procedure, refer to the Bclear User Guide.

6. Member Testing

A Member Testing environment is available for members to gain familiarity with the system and test trading and clearing procedures.

The following members are recommended to participate in Member Testing:

- Existing Members who intend to enter trades via Bclear including those who currently use the Flex® Facility.
- New Members intending to join specifically to use Bclear.

Participation in the Member Testing period is optional, but highly recommended.

Details of how to access the Member Testing service are provided in the Bclear Member Testing Guidelines document.

6.1 Bclear Demonstration

Please contact your Account Manager if you wish to see a demonstration of the Bclear system.

7. Points of Contact

Prior to, and during the Bclear launch period, any queries should be directed to the support team either by telephone or email:

+44 (0)20 7379 2969

bclear@liffe.com

Membership enquiries should be directed by email to :

membershipops@liffe.com

Additional details are available on the Bclear website at:

<http://www.euronext.com/bclear>

Alternatively, please contact your Account Manager for assistance.

Appendix A. Bclear Registration Forms

A.1 Bclear / LIFFE CONNECT® Registration Form for Responsible Persons (“RP”)

FORM 1 - IX.L

LIFFE market

Please return to:

Market Operations, Euronext.liffe

Fax: +44 (0)20 7379 2424, or

Email: traderkeys@liffe.com

Bclear / LIFFE CONNECT® Registration Form for Responsible Persons (“RP”)¹

(For those products in respect of which a Member holds a subscription)

Member Name		Member Mnemonic	
Market Place	LIFFE market	<i>Allocated RP ITM (completed by Exchange)</i>	

I confirm that I understand the obligations of being an RP (as summarised in Circular No. 99/32 issued on 2 March 1999 and other Exchange Notices issued from time to time), that I wish to be registered as an RP/replacement RP for those products in respect of which the member holds a subscription and that I agree to be subject to the Rules / Trading Procedures, as appropriate, of the relevant Euronext.liffe market. I understand that all relevant requirements and obligations in the Rules / Trading Procedures, where appropriate, are applicable to the RP’s replacement when he/she is fulfilling that role in the same way as they are applicable to the RP himself/herself.

Section 1: (All Details supplied to be typed/printed clearly in BLOCK capitals)

Full Name of RP	Signature of RP		
RP’s Date of Birth ²		RP’s Password ² <i>(max 10 digits)</i>	
RP’s Email Address		RP’s Direct Telephone No. <i>(incl. STD code)</i>	
Date for activation of Registration		RP Location <i>(Town/Country)</i>	
Number of ITMs Required		Gateway Location <i>(Town/Country)</i>	
LIFFE CONNECT® Trader Key Format Required for ITM(s) requested	YES / NO	Bclear Certificate Format Required for ITM(s) requested	YES / NO

Section 2: LIFFE CONNECT® Only

* Assigned Market Maker LIFFE CONNECT® Trader Key Status for:	LIFFE Equity Options (EOP)	YES / NO	LIFFE Universal Stock Futures (FUT)	YES / NO	LIFFE FTSEurofirst Options (NDX)	YES / NO
* Registration on LIFFE CONNECT® Financials host	YES / NO		Registration on LIFFE CONNECT® Equities host	YES / NO		

¹ This form should also be used to update/amend an RP/replacement RP’s details.

² Required for security purposes. The RP/replacement RP may be asked to verify this information by Euronext.liffe.

* Link Trader ITM to current ITM registered on other existing Market Places	Paris Trader ITM		Amsterdam Trader ITM		Brux Trade r ITM		Lisbon Trader ITM	
---	------------------	--	----------------------	--	------------------	--	-------------------	--

Section 3: (All Details supplied to be typed/printed clearly in BLOCK capitals)

Full Name of replacement RP³		Signature of replacement RP	
Replacement RP's Date of Birth ²		Replacement RP's Password ²	
Replacement RP's Email Address		Replacement RP's Direct Telephone No. (incl. STD code)	

Authorised By MCA⁴
(print name):

Signature & Date:
.....

MCA Contact Number: MCA Email address:

For Office Use Only

MCA Reference	Registered LDS wef	New/Existing pem / P12	Issued CKMF	Issued Website	Bclear - User ID Form Rec

³ Replacement RP details not necessary if any Key/ITM registered to RP is not to be used in RP's absence.

⁴ Member's Bclear / LIFFE CONNECT® Administrator ("MCA")

A.2 Bclear User ID Registration Form for a Responsible Person (“RP”)

LIFFE market

FORM 1 - VIII.F

Please return to:

Market Operations, Euronext.liffe

Fax: +44 (0)20 7379 2424, or

Email: traderkeys@liffe.com

Bclear User ID Registration Form for a Responsible Person (“RP”)⁵

(For those Bclear products in respect of which a Member holds a subscription)

Member Name		Member Mnemonic	
Market Place	LIFFE Market	RP ITM	

I confirm that I understand the obligations of being an RP (as summarised in Circular No. 99/32 issued on 2 March 1999 and other Exchange Notices issued from time to time), that I wish to be registered as an RP/replacement RP for those Bclear products in respect of which the member holds a subscription and that I agree to be subject to the Rules of the relevant Euronext.liffe market. I understand that all relevant requirements and obligations in the Rules are applicable to the RP’s replacement when he/she is fulfilling that role in the same way as they are applicable to the RP himself/herself.

(All Details supplied to be typed /printed clearly in BLOCK capitals)

Full name of RP <i>(Print)</i>		RP Signature	
Full name of replacement RP <i>(Print)</i>		RRP Signature	

(All Details supplied to be typed /printed clearly in BLOCK capitals)

User Name <i>(Print)</i>	User’s Direct Telephone No. <i>(incl. STD code)</i>	User’s E-mail Address	User ID <i>(Allocated by Exchange)</i>	User Password <i>(Allocated by Exchange)</i>

⁵ This form should also be used to update/amend an RP/replacement RP’s User ID details .

Authorised By MCA⁶
(print name):

Signature & Date:
.....

MCA Contact Number: MCA Email address:

For Office Use Only

MCA Reference	PEM-P12 - Existing / New / Only P12	Issued PEM/P12 to Website	Registered on Bclear	User ID/Password confirmed to MCA

⁶ Member's Bclear / LIFFE CONNECT® Administrator ("MCA").

Euronext refers to Euronext NV and any company which is at least a 50% owned subsidiary of Euronext NV. All proprietary rights and interest in this publication shall be vested in Euronext and all other rights including, but without limitation, patent, registered design, copyright, trademark, service mark, connected with this publication shall also be vested in Euronext. LIFFE CONNECT® is a trademark of LIFFE Administration and Management ("LIFFE") and is registered in Australia, Hong Kong, Singapore, the United States, Japan, the United Kingdom and as a European Community Trade Mark. No part of this publication may be redistributed or reproduced in any form or by any means or used to make any derivative work (such as translation, transformation, or adaptation) without written permission from Euronext.

Euronext shall not be liable (except to the extent required by law) for the use of the information contained herein however arising in any circumstances connected with actual trading or otherwise. Neither Euronext, nor its servants nor agents, is responsible for any errors or omissions contained in this publication. This publication is for information only and does not constitute an offer, solicitation or recommendation to acquire or dispose of any investment or to engage in any other transaction. All information, descriptions, examples and calculations contained in this publication are for guidance purposes only, and should not be treated as definitive.

Those wishing either to trade futures and options contracts on Exchanges within the Euronext Group, or to offer and sell them to others should establish the regulatory position in the relevant jurisdiction before doing so.

Euronext.liffe refers to the combined derivatives operations of Euronext and LIFFE, comprising the Euronext derivatives markets in Amsterdam, Brussels, Paris, Lisbon and the LIFFE market in London.

Cscreen Limited ("Cscreen") is owned by LIFFE (Holdings) Plc and is currently operated as an unregulated entity. Those wishing to use Cscreen's facilities should consider their regulatory position in the relevant jurisdiction before doing so. The new enhanced Cscreen Service, which will be linked to other new OTC services operated by LIFFE Administration and Management and LIFFE Services Limited, will be operated by LIFFE Services Limited, which is regulated by the Financial Services Authority ("FSA") as a service company. The new Cleared Service (Bclear) will be operated by LIFFE Administration and Management, which is regulated by the Financial Services Authority as a Recognised Investment Exchange. The Cleared Service will enable members to report OTC trades to the Exchange for confirmation, administration and clearing. The OTC Post Trade Matching Service (Afirm) will be operated by LIFFE Services Limited.

FLEX® is a registered trademark of the Chicago Board Options Exchange Inc and has been licensed for use by LIFFE.

"FTSE" is a trade mark of the London Stock Exchange plc and the Financial Times Limited and is used by FTSE International Limited ("FTSE") under licence. "Eurofirst" is a jointly owned trade mark of both FTSE and Euronext. The FTSEurofirst 80 Index, FTSEurofirst 100 Index and FTSE Eurotop 100 Index are the proprietary interest of FTSE and Euronext. All copyrights in the index values and constituent lists vest in FTSE and Euronext jointly. The FTSE 100 Index, the FTSE 250 Index and the FTSEurofirst 300 Index are the proprietary interest of FTSE and have been licensed for use by LIFFE. All copyrights in the index values and constituent lists vest in FTSE. FTSE in no way sponsors, endorses or is otherwise involved in the issue and offering of Euronext futures and options contracts based on the FTSE indices and does not accept any liability in connection with the trading of these products.

Euronext NV
PO Box 19163
1000 GD Amsterdam
The Netherlands

tel +31 (0)20 550 4444