

## LONDON NOTICE NO. 3752

Issue Date: 29 October 2013

Effective Date: 31 October 2013

**UNIVERSAL STOCK FUTURES CONTRACT (BASED ON COMPANY SHARES, DEPOSITARY RECEIPTS AND EXCHANGE TRADED FUND SHARES) (EXCHANGE CONTRACT NO. 66F)**

**OPTION CONTRACT ON EQUITY RELATED SECURITIES (INCLUDING COMPANY SHARES AND EXCHANGE TRADED FUND SHARES) (EXCHANGE CONTRACT NO. 201)**

**OPTION CONTRACT ON EQUITY RELATED SECURITIES (INCLUDING COMPANY SHARES, DEPOSITARY RECEIPTS AND EXCHANGE TRADED FUND SHARES) (EXCHANGE CONTRACT NO. 201F)**

**EQUITY RELATED SECURITY CONTRACT (INCLUDING COMPANY SHARES, DEPOSITARY RECEIPTS AND EXCHANGE TRADED FUND SHARES) (EXCHANGE CONTRACT NO. 211)**

**INTRODUCTION OF ADDITIONAL INDIVIDUAL EQUITY OPTION, FLEXIBLE FUTURES AND FLEXIBLE OPTION CONTRACTS**

### Executive Summary

This Notice informs Members of the introduction of additional standard Individual Equity Option Contracts based on certain UK company shares (listed on the London Stock Exchange) which will be made available on the Universal Trading Platform and within Bclear, and a number of additional flexible Universal Stock Futures and flexible Individual Equity Option Contracts which will be made available within Bclear on and from 31 October 2013.

## 1. Introduction

1.1 On and from 31 October 2013, the Exchange will make available:

- (i) additional standard Individual Equity Option Contracts (the "Contracts") based on certain UK company shares listed on the London Stock Exchange ("the LSE") on the Universal Trading Platform (the "UTP") and within Bclear; and
- (ii) additional flexible Universal Stock Futures Contracts ("USFs") and flexible Individual Equity Option Contracts ("IEOs") within Bclear.

**2. Details of the Individual Equity Option Contracts to be made available on the UTP**

- 2.1 On and from 31 October 2013, the Contracts, and for the purpose of Stock Contingent Trades Equity Shares Contracts, will be made available for trading on the UTP under the terms of Exchange Contracts No. 201 and No. 211 respectively. The necessary additions to the Lists of Contract Details in respect of Exchange Contracts No. 201 and No. 211 are set out, respectively, in Attachments 1 and 2 to this Notice.
- 2.2 The first three quarterly expiry months from the March, June, September and December cycle will be made available for trading. The initial expiry months available will be **December 2013, March 2014 and June 2014**.
- 2.3 The Contracts shall be included in the Exchange’s Block Trade Facility with effect from 31 October 2013. The Block Trade minimum volume threshold for the Contracts shall be set at **500 lots**.

**3. Liquidity Provider Programmes**

- 3.1 Members who would like to apply for a Liquidity Provider role in respect of the Contracts should complete the Application Form available on the NYSE Euronext website: [www.nyx.com/elps](http://www.nyx.com/elps) (under the Stock Options and London headings). The Application Form should be sent to the EMS Liquidity Provision department via fax (+31 (0)20 550 5101) or email ([ELPS@nyx.com](mailto:ELPS@nyx.com)) by no later than **midday on 30 October 2013**.
- 3.2 The Contracts will be part of the “Non-Target Group”. NYSE Liffe will initially select up to ten Market Makers (Primary Liquidity Providers (“PLPs”) and Competitive Market Makers (“CMMs”)) for Non-Target Group option classes on the basis of applications received from Members.
- 3.3 The relevant Spread Group and Minimum Order Size will be as set out in Attachment 3 to this Notice.
- 3.4 Members will recall that the maximum spreads per group depend on the option bid price set out in the “Current Spreads and Size Obligations for Liquidity Providers” document on the NYSE Euronext website: [www.nyx.com/elps](http://www.nyx.com/elps), in respect of market making programmes for the London market. A summary of maximum spreads per group is set out in the table below:

| Maximum Spreads per Group |         |         |         |         |
|---------------------------|---------|---------|---------|---------|
| Option Bid Price          | Group 1 | Group 2 | Group 3 | Group 4 |
| ≤15p                      | 5p      | 7p      | 10p     | 15p     |
| ≤ 30p                     | 6p      | 8p      | 12p     | 20p     |
| ≤ 60p                     | 7p      | 9p      | 15p     | 25p     |
| ≤ 100p                    | 8p      | 10p     | 15p     | 30p     |
| ≤ 150p                    | 15p     | 20p     | 30p     | 40p     |
| ≤ 1000p                   | 15p     | 40p     | 60p     | 60p     |
| >1000p                    | 20p     | 60p     | 100p    | 100p    |

3.5 Members are reminded that the appointment of each PLP/CMM will be subject to a binding contract (“the Agreement”) between the successful applicant and the Exchange. A completed Application Form does not constitute such an Agreement. Furthermore, a successful applicant’s Liquidity Provider status, and therefore the period for which the Liquidity Provider may receive financial benefits, may not be deemed to have commenced until the Agreement is completed and signed by all parties.

3.6 For further information in respect of PLP/CMM roles and the Liquidity Provider Programmes in general, Members should refer to London Info-Flash No. [LO13/37](#), issued on 10 June 2013.

#### **4. Details of flexible USF and IEO Contracts to be made available through Bclear**

4.1 On and from 31 October 2013:

- (i) additional flexible USFs will be made available under the terms of Exchange Contract No. 66F on the company shares set out in Attachment 4 to this Notice; and
- (ii) additional flexible IEOs will be made available under the terms of Exchange Contract No. 201F on the company shares set out in Attachment 5 to this Notice. In addition, for the purposes of Stock Contingent Trades, further Equity Shares Contracts will be made available under the terms of Exchange Contract No. 211 on the company shares set out in Attachment 2 to this Notice.

#### **5. U.S. Regulatory Position**

5.1 The standard and flexible Individual Equity Option Contracts will be “Eligible Options” (as referred to in London Notice No. [3732](#), issued on 3 July 2013)) in respect of the transaction of business with specified U.S. entities.

5.2 London Notice No. [3732](#) also set out minor revisions to the arrangements under which specified U.S. persons are permitted to engage in transactions in Eligible Options and detailed an extension to the list of options covered by such arrangements. The list of “Eligible Options” now consists of all current LIFFE Individual Equity Option, and Index Option, Contracts based on non-US underlyings.

5.3 By extension, the arrangements set out in the aforementioned Notice also apply to the offer and sale in the U. S. of the corresponding Equity Shares Contract given that an Equity Shares Contract has to be executed as part of a Stock Contingent Trade.

5.4 The updated list of “Eligible Options” will be available on the NYSE Euronext website ([www.nyx.com/liffe](http://www.nyx.com/liffe)) in due course.

5.5 Members should note that currently U.S. persons are **not** permitted to engage in transactions in Universal Stock Futures Contracts.

**6. Stamp Duty on Transfer of UK Securities**

6.1 Members who wish to receive stamp duty relief should note that a recognised Options Intermediary on LIFFE taking delivery from the LSE of the company shares set out in Attachment 1 to this Notice would not be subject to stamp duty.

**7. Additional Information**

7.1 Updated Lists of Contract Details in respect of Exchange Contracts No. 66, No. 201, No. 201F and No. 211 will be made available in the London Market Handbook and on the NYSE Euronext website ([www.nyx.com/londonmarkethandbook](http://www.nyx.com/londonmarkethandbook)) in due course.

7.2 Additional information, including business days and hours, fees and other information with respect to the operation of UTP and Bclear, can be found on the NYSE Euronext website ([www.nyx.com/bclear](http://www.nyx.com/bclear)).

For further information in relation to this Notice, Members should contact:

Equity Derivatives Product Management

+44 (0)20 7379 2200

[equities@nyx.com](mailto:equities@nyx.com)

**List of Company Shares that may be the subject of a lot  
in respect of Exchange Contract No. 201**

| <b>Company</b>                  | <b>Share</b> | <b>Contract Code</b> | <b>Expiry months</b>         | <b>Tick Size</b> |
|---------------------------------|--------------|----------------------|------------------------------|------------------|
| Babcock International Group Plc | GB0009697037 | BIG                  | 3, 6, 9 (Mar, Jun, Sep, Dec) | 0.50p            |
| Capita Plc                      | GB00B23K0M20 | CPI                  | 3, 6, 9 (Mar, Jun, Sep, Dec) | 0.50p            |
| G4S Plc                         | GB00B01FLG62 | SCR                  | 3, 6, 9 (Mar, Jun, Sep, Dec) | 0.25p            |
| GKN Plc                         | GB0030646508 | GKN                  | 3, 6, 9 (Mar, Jun, Sep, Dec) | 0.25p            |
| Hammerson Plc                   | GB0004065016 | HMS                  | 3, 6, 9 (Mar, Jun, Sep, Dec) | 0.25p            |
| Hargreaves Lansdown Plc         | GB00B1VZ0M25 | HRL                  | 3, 6, 9 (Mar, Jun, Sep, Dec) | 0.50p            |
| Intertek Group Plc              | GB0031638363 | ITR                  | 3, 6, 9 (Mar, Jun, Sep, Dec) | 0.50p            |
| Johnson Matthey Plc             | GB00B70FPS60 | JMA                  | 3, 6, 9 (Mar, Jun, Sep, Dec) | 0.50p            |
| Meggitt Plc                     | GB0005758098 | MGG                  | 3, 6, 9 (Mar, Jun, Sep, Dec) | 0.25p            |
| Resolution Ltd                  | GG00B62W2327 | REW                  | 3, 6, 9 (Mar, Jun, Sep, Dec) | 0.25p            |
| Rexam Plc                       | GB00B943Z359 | RE                   | 3, 6, 9 (Mar, Jun, Sep, Dec) | 0.25p            |
| Schroders Plc                   | GB0002405495 | SDS                  | 3, 6, 9 (Mar, Jun, Sep, Dec) | 0.50p            |
| Serco Group Plc                 | GB0007973794 | SRP                  | 3, 6, 9 (Mar, Jun, Sep, Dec) | 0.25p            |
| Smiths Group Plc                | GB00B1WY2338 | SMS                  | 3, 6, 9 (Mar, Jun, Sep, Dec) | 0.50p            |
| TUI Travel Plc                  | GB00B1Z7RQ77 | FCD                  | 3, 6, 9 (Mar, Jun, Sep, Dec) | 0.25p            |

**List of Company Shares that may be the subject of a Stock Contingent Trade  
in respect of Exchange Contract No. 211**

Relevant Stock Exchange: London Stock Exchange\*

| <b>Company</b>                  | <b>Share</b> | <b>Settlement Day</b>               | <b>Minimum Price Fluctuation</b> |
|---------------------------------|--------------|-------------------------------------|----------------------------------|
| Babcock International Group Plc | GB0009697037 | Third business day after trade date | 0.01p                            |
| Capita Plc                      | GB00B23K0M20 | Third business day after trade date | 0.01p                            |
| G4S Plc                         | GB00B01FLG62 | Third business day after trade date | 0.01p                            |
| GKN Plc                         | GB0030646508 | Third business day after trade date | 0.01p                            |
| Hammerson Plc                   | GB0004065016 | Third business day after trade date | 0.01p                            |
| Hargreaves Lansdown Plc         | GB00B1VZ0M25 | Third business day after trade date | 0.01p                            |
| Intertek Group Plc              | GB0031638363 | Third business day after trade date | 0.01p                            |
| Johnson Matthey Plc             | GB00B70FPS60 | Third business day after trade date | 0.01p                            |
| Meggitt Plc                     | GB0005758098 | Third business day after trade date | 0.01p                            |
| Resolution Ltd                  | GG00B62W2327 | Third business day after trade date | 0.01p                            |
| Rexam Plc                       | GB00B943Z359 | Third business day after trade date | 0.01p                            |
| Schroders Plc                   | GB0002405495 | Third business day after trade date | 0.01p                            |
| Serco Group Plc                 | GB0007973794 | Third business day after trade date | 0.01p                            |
| Smiths Group Plc                | GB00B1WY2338 | Third business day after trade date | 0.01p                            |
| TUI Travel Plc                  | GB00B1Z7RQ77 | Third business day after trade date | 0.01p                            |

\* Relevant Settlement System for Physically Delivered contracts:

|                                |                                   |
|--------------------------------|-----------------------------------|
| <b>Relevant Stock Exchange</b> | <b>Relevant Settlement System</b> |
| London Stock Exchange          | Euroclear UK & Ireland            |

**Spread Group and Minimum Order Size for Individual Equity Options**

| <b>Company</b>                  | <b>UCP Contract Code</b> | <b>Spread Group</b> | <b>Minimum Order Size</b> |
|---------------------------------|--------------------------|---------------------|---------------------------|
| Babcock International Group Plc | BIG                      | 3                   | 3                         |
| Capita Plc                      | CPI                      | 3                   | 3                         |
| G4S Plc                         | SCR                      | 2                   | 5                         |
| GKN Plc                         | GKN                      | 2                   | 5                         |
| Hammerson Plc                   | HMS                      | 2                   | 5                         |
| Hargreaves Lansdown Plc         | HRL                      | 3                   | 3                         |
| Intertek Group Plc              | ITR                      | 3                   | 3                         |
| Johnson Matthey Plc             | JMA                      | 3                   | 3                         |
| Meggitt Plc                     | MGG                      | 2                   | 5                         |
| Resolution Ltd                  | REW                      | 2                   | 5                         |
| Rexam Plc                       | RE                       | 2                   | 5                         |
| Schroders Plc                   | SDS                      | 3                   | 3                         |
| Serco Group Plc                 | SRP                      | 2                   | 5                         |
| Smiths Group Plc                | SMS                      | 3                   | 3                         |
| TUI Travel Plc                  | FCD                      | 2                   | 5                         |

ADDITIONS TO THE LIST OF CONTRACT DETAILS IN RESPECT OF EXCHANGE CONTRACT NO 66F  
UNIVERSAL STOCK FUTURES CONTRACT  
(BASED ON COMPANY SHARES, DEPOSITARY RECEIPTS AND EXCHANGE TRADED FUNDS)  
(CASH SETTLED AND PHYSICAL DELIVERY CONTRACTS)

KEY:

<sup>1</sup> A business day in the context of the settlement period (i.e. T+4) is described as a day on which a particular security can be settled in CREST or Euroclear, irrespective of a currency holiday in the local market.

All times are London times.

## RELEVANT STOCK EXCHANGE: DEUTSCHE BOERSE

| Company       | ISIN Code    | Contract Code   |                     | Underlying Currency | Relevant Currency | Minimum Price Fluctuation | Minimum EDSP Price Increment | Lot Size (number of shares) | Time trading ceases on Last Trading Day ("LTD") | Reference Day | Relevant Reference Price | Settlement Day <sup>1</sup>          |                               |
|---------------|--------------|-----------------|---------------------|---------------------|-------------------|---------------------------|------------------------------|-----------------------------|---|---------------|--------------------------|--------------------------------------|-------------------------------|
|               |              | Cash Settlement | Physical Delivery** |                     |                   |                           |                              |                             |   |               |                          | Cash Settlement                      | Physical Delivery**           |
| Kion Group AG | DE000KGX8881 | KIK             | KIM                 | EUR                 | EUR               | 0.0001                    | 0.0001                       | 100                         | 16:30   | LTD           | Official Closing Price   | Market day immediately following LTD | Fourth Business Day after LTD |

## RELEVANT STOCK EXCHANGE: WARSAW STOCK EXCHANGE

| Company                      | ISIN Code    | Contract Code   |                     | Underlying Currency | Relevant Currency | Minimum Price Fluctuation | Minimum EDSP Price Increment | Lot Size (number of shares) | Time trading ceases on Last Trading Day ("LTD") | Reference Day | Relevant Reference Price | Settlement Day <sup>1</sup>          |                     |
|------------------------------|--------------|-----------------|---------------------|---------------------|-------------------|---------------------------|------------------------------|-----------------------------|---|---------------|--------------------------|--------------------------------------|---------------------|
|                              |              | Cash Settlement | Physical Delivery** |                     |                   |                           |                              |                             |   |               |                          | Cash Settlement                      | Physical Delivery** |
| Bank Handlowy w Warszawie SA | PLBH00000012 | BHZ             | n/a                 | PLN                 | PLN               | 0.001                     | 0.001                        | 100                         | 16:00   | LTD           | Official Closing Price   | Market day immediately following LTD | n/a                 |

\*\*Relevant Settlement System for Physically Delivered contracts

Relevant Stock Exchange

London Stock Exchange  
Deutsche Börse (Xetra)  
SIX Swiss Exchange  
Euronext Amsterdam  
Euronext Paris  
Others

Relevant Settlement System

Euroclear UK & Ireland  
Clearstream Banking Frankfurt AG  
SIS SIX AG  
Euroclear Nederland  
Euroclear France  
Euroclear Bank

ADDITIONS TO THE LIST OF CONTRACT DETAILS AND OTHER RELEVANT INFORMATION IN RESPECT OF EXCHANGE CONTRACT NO 201F  
OPTION CONTRACT ON EQUITY SHARES, DEPOSITARY RECEIPTS AND EXCHANGE TRADED FUNDS

Attachment 5 to London Notice No. 3752

KEY: AMR American Style Exercise EUR European Style Exercise  
CSH Cash Settled contracts PHY Physical Delivery contracts

RELEVANT STOCK EXCHANGE: LONDON STOCK EXCHANGE

| Company                         | ISIN Code    | Contract Code |            |          |            | Underlying Currency | Relevant Currency | Minimum Price Fluctuation | Minimum EDSP Price Increment | Lot Size (number of shares) | Last Trading Day | Time trading ceases on the Last Trading Day | Reference Day | Daily Reference Price | CSH | PHY** | Settlement Day*                                    |                                      |  |                                      |
|---------------------------------|--------------|---------------|------------|----------|------------|---------------------|-------------------|---------------------------|------------------------------|-----------------------------|------------------|---|---------------|-----------------------|-----|-------|--|--------------------------------------|--|--------------------------------------|
|                                 |              | AMR/ CSH      | AMR/ PHY** | EUR/ CSH | EUR/ PHY** |                     |                   |                           |                              |                             |                  |   |               |                       |     |       | AMR/CSH  | AMR/PHY**                            | EUR/CSH  | EUR/PHY**                            |
| Babcock International Group Plc | GB0009697037 | BIB           | BIV        | BIF      | BIT        | GBX                 | GBX               | 0.01                      | 0.01                         | 1000                        | Expiry Day       | 16:30                                       | Expiry Day    | OCP                   | OCP | OCP   | Market day immediately following the Reference Day | Fourth Business Day after Expiry Day | Market day immediately following the Reference Day | Fourth Business Day after Expiry Day |
| Capita Plc                      | GB00823KOM20 | CPH           | CP5        | CPO      | CPB        | GBX                 | GBX               | 0.01                      | 0.01                         | 1000                        | Expiry Day       | 16:30                                       | Expiry Day    | OCP                   | OCP | OCP   | Market day immediately following the Reference Day | Fourth Business Day after Expiry Day | Market day immediately following the Reference Day | Fourth Business Day after Expiry Day |
| G4S Plc                         | GB00801FLG62 | G4G           | G4P        | G4E      | G4A        | GBX                 | GBX               | 0.01                      | 0.01                         | 1000                        | Expiry Day       | 16:30                                       | Expiry Day    | OCP                   | OCP | OCP   | Market day immediately following the Reference Day | Fourth Business Day after Expiry Day | Market day immediately following the Reference Day | Fourth Business Day after Expiry Day |
| GKN Plc                         | GB0030646508 | GKG           | GKP        | GKE      | GKA        | GBX                 | GBX               | 0.01                      | 0.01                         | 1000                        | Expiry Day       | 16:30                                       | Expiry Day    | OCP                   | OCP | OCP   | Market day immediately following the Reference Day | Fourth Business Day after Expiry Day | Market day immediately following the Reference Day | Fourth Business Day after Expiry Day |
| Hammerson Plc                   | GB0004065016 | HMM           | HMT        | HMC      | HMN        | GBX                 | GBX               | 0.01                      | 0.01                         | 1000                        | Expiry Day       | 16:30                                       | Expiry Day    | OCP                   | OCP | OCP   | Market day immediately following the Reference Day | Fourth Business Day after Expiry Day | Market day immediately following the Reference Day | Fourth Business Day after Expiry Day |
| Hargreaves Lansdown Plc         | GB0081VZ0M25 | HRM           | HRT        | HRC      | HRN        | GBX                 | GBX               | 0.01                      | 0.01                         | 1000                        | Expiry Day       | 16:30                                       | Expiry Day    | OCP                   | OCP | OCP   | Market day immediately following the Reference Day | Fourth Business Day after Expiry Day | Market day immediately following the Reference Day | Fourth Business Day after Expiry Day |
| Intertek Group Plc              | GB0031638363 | ITM           | ITT        | ITC      | ITN        | GBX                 | GBX               | 0.01                      | 0.01                         | 1000                        | Expiry Day       | 16:30                                       | Expiry Day    | OCP                   | OCP | OCP   | Market day immediately following the Reference Day | Fourth Business Day after Expiry Day | Market day immediately following the Reference Day | Fourth Business Day after Expiry Day |
| Johnson Matthey Plc             | GB00870FP560 | JMC           | JMN        | JMG      | JMP        | GBX                 | GBX               | 0.01                      | 0.01                         | 1000                        | Expiry Day       | 16:30                                       | Expiry Day    | OCP                   | OCP | OCP   | Market day immediately following the Reference Day | Fourth Business Day after Expiry Day | Market day immediately following the Reference Day | Fourth Business Day after Expiry Day |
| Meggitt Plc                     | GB0005758098 | MGH           | MGW        | MGO      | MGB        | GBX                 | GBX               | 0.01                      | 0.01                         | 1000                        | Expiry Day       | 16:30                                       | Expiry Day    | OCP                   | OCP | OCP   | Market day immediately following the Reference Day | Fourth Business Day after Expiry Day | Market day immediately following the Reference Day | Fourth Business Day after Expiry Day |
| Resolution Ltd                  | GG00862W2327 | REZ           | REV        | REC      | RE0        | GBX                 | GBX               | 0.01                      | 0.01                         | 1000                        | Expiry Day       | 16:30                                       | Expiry Day    | OCP                   | OCP | OCP   | Market day immediately following the Reference Day | Fourth Business Day after Expiry Day | Market day immediately following the Reference Day | Fourth Business Day after Expiry Day |
| Rexam Plc                       | GB0089432359 | RXW           | RXO        | RXB      | RXV        | GBX                 | GBX               | 0.01                      | 0.01                         | 1000                        | Expiry Day       | 16:30                                       | Expiry Day    | OCP                   | OCP | OCP   | Market day immediately following the Reference Day | Fourth Business Day after Expiry Day | Market day immediately following the Reference Day | Fourth Business Day after Expiry Day |
| Schroders Plc                   | GB0002405495 | SDK           | SDM        | SDT      | SDC        | GBX                 | GBX               | 0.01                      | 0.01                         | 1000                        | Expiry Day       | 16:30                                       | Expiry Day    | OCP                   | OCP | OCP   | Market day immediately following the Reference Day | Fourth Business Day after Expiry Day | Market day immediately following the Reference Day | Fourth Business Day after Expiry Day |
| Sercos Group Plc                | GB0007973794 | SRR           | SRL        | SRS      | SRI        | GBX                 | GBX               | 0.01                      | 0.01                         | 1000                        | Expiry Day       | 16:30                                       | Expiry Day    | OCP                   | OCP | OCP   | Market day immediately following the Reference Day | Fourth Business Day after Expiry Day | Market day immediately following the Reference Day | Fourth Business Day after Expiry Day |
| Smiths Group Plc                | GB0081WY2338 | SMY           | SMV        | SMF      | SMK        | GBX                 | GBX               | 0.01                      | 0.01                         | 1000                        | Expiry Day       | 16:30                                       | Expiry Day    | OCP                   | OCP | OCP   | Market day immediately following the Reference Day | Fourth Business Day after Expiry Day | Market day immediately following the Reference Day | Fourth Business Day after Expiry Day |
| TUI Travel Plc                  | GB0081Z7RQ77 | FCB           | FCV        | FCF      | FCK        | GBX                 | GBX               | 0.01                      | 0.01                         | 1000                        | Expiry Day       | 16:30                                       | Expiry Day    | OCP                   | OCP | OCP   | Market day immediately following the Reference Day | Fourth Business Day after Expiry Day | Market day immediately following the Reference Day | Fourth Business Day after Expiry Day |

\* A business day in the context of the settlement period (i.e T+4) is described as a day on which a particular security can be settled in CREST or Euroclear, irrespective of a currency holiday in the local market.

\*\*Relevant Settlement System for Physically Delivered contracts

| Relevant Stock Exchange | Relevant Settlement System       |
|-------------------------|----------------------------------|
| London Stock Exchange   | Euroclear UK & Ireland           |
| Deutsche Börse (Xetra)  | Clearstream Banking Frankfurt AG |
| SIX Swiss Exchange      | SIS SIX AG                       |
| Euronext Amsterdam      | Euroclear Nederland              |
| Euronext Paris          | Euroclear France                 |
| Others                  | Euroclear Bank                   |