

## LONDON NOTICE NO. 3621

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### AMENDMENTS TO THE GUIDELINES FOR DETERMINING DAILY SETTLEMENT PRICES FOR FINANCIAL AND COMMODITY OPTIONS CONTRACTS

#### Executive Summary

This Notice provides details of amendments to the Guidelines for determining Daily Settlement Prices for Financial and Commodity Options Contracts.

1. This Notice provides details of amendments to the Guidelines used by NYSE Liffe to determine Daily Settlement Prices ("DSPs") for Financial and Commodity Options Contracts.
2. Guidelines for the determination of DSPs for Financial Options Contracts were first published on 6 December 2002. This was in response to customer demand for greater transparency as to how NYSE Liffe applies the relevant sections of the Trading Procedures and the factors taken into account when determining the DSPs for these contracts. These Guidelines have been revised twice since that date, and the current version was published by way of London Notice No. [2745](#), issued on 17 February 2006.
3. Following a review of the Guidelines, the Exchange has determined to amend the Guidelines as follows:
  - (a) **for options on the Three Month Euro (Euribor) Interest Rate Futures Contract and options on the Three Month Sterling (Short Sterling) Interest Rate Futures Contract only**, NYSE Liffe will extend the finer granularity of DSPs of a quarter of a basis point to all remaining expiry months. This finer granularity now covers all Euribor and Short Sterling (including all Mid-Curve) Option Contracts; and
  - (b) further, for the avoidance of doubt, on-screen quotes will take priority over off-screen information provided the quote is in a minimum size of 25 lots for all Short Sterling Option Contracts, and 100 lots for all Euribor Option Contracts (including all Mid-Curve Option Contracts in both cases), and that the quote remains on-screen for a minimum period of 10 minutes prior to the scheduled settlement time.
4. NYSE Liffe will continue to keep these Guidelines under review, and Members and their clients are invited to provide comment/feedback to NYSE Liffe.

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

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**GUIDELINES FOR DETERMINING SETTLEMENT PRICES FOR  
FINANCIAL AND COMMODITY OPTIONS CONTRACTS**

1. Daily Settlement Prices (“DSPs”) for Options Contracts are determined in accordance with NYSE Liffe Trading Procedure 2.3, which states:
  - “2.3.1 The Relevant Euronext Market Undertaking’s objective when determining settlement prices for Options Contracts is to maintain a consistent pricing relationship between the volatilities of one exercise price and the exercise price(s) nearest to it.”
  - 2.3.2 The procedures for establishing Daily Settlement Prices are as follows:
    - (a) Market Services will maintain continuous information on market activity, both for each series of each Options Contract and for the underlying Futures Contract or security (as applicable);
    - (b) using this information, implied volatilities will be calculated for each series throughout the Trading Day, which the Relevant Euronext Market Undertaking will review at regular intervals in light of market activity;
    - (c) in the case of less actively traded Options Contracts, or those where no recent bids or offers exist, the Relevant Euronext Market Undertaking may contact Members throughout the trading session in order to ascertain whether implied volatilities are reflective of the market view. In the case of more actively traded Options Contracts, Market Services will monitor implied volatilities toward the settlement time to check consistency with market activity throughout the trading session;
    - (d) at the settlement time, the Relevant Euronext Market Undertaking will calculate settlement prices from implied volatilities or, for designated Options Contracts in PART TWO, from bids and offers quoted on LIFFE CONNECT®. These settlement prices will be displayed on LIFFE CONNECT®; and
    - (e) for a minimum period of five minutes following publication of settlement prices, the Relevant Euronext Market Undertaking may deem it necessary to amend the settlement prices and any appropriate revisions will be displayed accordingly.”
2. Based on these Trading Procedures, NYSE Liffe looks to determine DSPs for all Financial and Commodity Options Contracts within the framework described in paragraphs 3 to 10 below. Whilst not exhaustive, the framework outlines the various factors (and the weighting generally attached to each) which are taken into account during this process.
3. It should be noted that throughout the trading session a number of automated checks are performed by PSS to ensure that there is consistency between market activity and theoretical values calculated by the NYSE Liffe.

4. The underlying principle when determining DSPs is that they will be based upon the theoretical option values calculated by NYSE Liffe. These theoretical values will be automatically compared with a snap-shot of market activity at settlement time. Any Bids/Offeres submitted immediately prior to settlement time that do not reflect prevailing fair value will be discounted from this automated process.
5. Trades executed via the Wholesale Trade Window will not be included within the DSP determination process, nor will any market activity that occurs after the official settlement time.
6. **For STIR Options Contracts only** the current practice of applying finer granularity when determining DSPs will be extended to all months in options on the Three Month Euro (Euribor) Interest Rate Futures and options on the Three Month Sterling (Short Sterling) Interest Rate Futures, including Mid-Curve Options. These months will be settled to the nearest quarter of a basis point. However, NYSE Liffe reserves the right to apply this finer granularity in any expiry month for a STIR Options Contract, if warranted. **There will be no change to the minimum price movement for trading, which will remain at half a basis point. Furthermore, the method of calculating the reference price used in the expiry process and the exercise process will remain unchanged.**
7. Where market participants are pre-negotiating business away from the central market, this will only be included in the automated settlement process if the relevant orders are submitted to the market prior to the official settlement time, subject to the provisions set out in Sections 4 and 5 above. Further, for the avoidance of doubt, orders included in the determination of DSPs must be submitted to the market in a minimum size of 25 lots for all Short Sterling Option contracts, and 100 lots for all Euribor Option contracts (including mid-curve contracts in both cases), and be submitted for a minimum period of 10 minutes prior to the scheduled settlement time.
8. When determining DSPs, priority will be given to outright markets, followed by strategy markets in the sequence set out in the table below, starting from the top. However, it should be noted that strategy trades (e.g. Calendar Spreads, Butterflies etc) that are executed as individual legs are not recognised by PSS as the underlying strategy and these cannot be considered other than through the trading activity that results from them.

| Strategy Priority Table        |
|--------------------------------|
| Straddles                      |
| Strangles                      |
| Call spreads                   |
| Put Spreads                    |
| Call Butterflies               |
| Put Butterflies                |
| Call calendar spreads          |
| Put calendar spreads           |
| Call diagonal calendar spreads |

|                                    |
|------------------------------------|
| Put diagonal calendar spreads      |
| Combos                             |
| Call ladders                       |
| Put ladders                        |
| Guts                               |
| Iron butterflies                   |
| 2x1 ratio call spreads             |
| 2x1 ratio put spreads              |
| Call strips                        |
| Put strips                         |
| Straddle strips                    |
| Straddles calendar spreads         |
| Diagonal straddle calendar spreads |
| Condor                             |