



# Global Technical Committee

## BenchmarkPriceType Extension

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## 1 Introduction

NYSE Euronext have been chosen as the administrator for the Libor (London InterBank Offered Rate), taking over from the BBA (British Bankers Association) from early 2014.

It is proposed that the Libor rates are published using FIXML format. Currently the SpreadOrBenchmarkCurveData does not allow for an interest rate value to be sent. A new value is required for field BenchmarkPriceType(663)<sup>1</sup>.

## 2 Business Requirements

Field 663 BenchmarkPriceType (FIXML field @PxTyp) is used to identify the type of benchmark price that is provided in field 662 BenchmarkPrice. It is required to add a new value to this field to represent interest rates, as follows:

**tbid\_24 = Interest Rate**

Benchmarks such as the LIBOR, and others like it, are inter-bank lending interest rates used as reference rate to price other assets. There are no values in the enumerations for BenchmarkPriceType(663) that allow for proper specification of a "rate" or "interest rate".

Additionally, as NYSE Euronext plans to publish this data using the MarketDataIncrementalRefresh(35=X) message, the MDEntryType(269) value "3" (Index value) will be used. However, it is proposed that this enumeration value be further elaborated to clarify that "index" could mean both a "stock index" or a "benchmark rate". The following elaboration for the enumeration value "3" is proposed:

3 - Index value **[Elaboration: A reference stock index (e.g. DJIA) or benchmark rate (e.g. LIBOR).]**

## 3 Issues and Discussion Points

Aug. 18, 2013 GTC call: A question was raised whether the SpreadOrBenchmarkCurveData component should also be added to the MarketDataRequest(35=V). The component is in the MarketDataIncrementalRefresh(35=X) and MarketDataSnapshotFullRefresh(35=W) messages but not in the MarketDataRequest(35=V) message.

Decision is to also add the component to the MarketDataRequest(35=V) message to allow implementations to request for benchmark data. The addition of the SpreadOrBenchmarkCurveData component will be made to the InstrmtMDReqGrp component.

## 4 Proposed Message Flow

NYSE Euronext will be supporting only a push model of the LIBOR benchmark data once a day using the MarketDataIncrementalRefresh(35=X) message. A MarketDataRequest(35=V) will not be needed or supported in NYSE Euronext's implementation for the distribution of the LIBOR data. The

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<sup>1</sup> The proposed new value will be added to the base enum list in PriceType(423)

MarketDataIncrementalRefresh(35=X) message was chosen because it allows for the distribution of multiple currencies and tenors of the LIBOR benchmark in a single message.

Providers of other benchmark rate data may choose to allow subscribers to initiate with a MarketDataRequest(35=V) followed by the MarketDataSnapshotFullFresh(35=W) and MarketDataIncrementalRefresh(35=X) messages, as would be typical of a request/response model.

## 5 FIX Message Tables

No changes to messages.

## 6 FIX Component Blocks

### 6.1 Component <InstrmtMDReqGrp>

To be completed at the time of the proposal – all information provided will be included in the repository	
Component Name	InstrmtMDReqGrp
Component Abbreviated Name (for FIXML)	InstReq
Component Type	__X_ Block Repeating ___ Block
Category	Common
Action	__New X__Change
Component Synopsis	(no change)
Component Elaboration	(no change)
To be finalized by FPL Technical Office	
Repository Component ID	<a href="#">2022</a>

Component FIXML Abbreviation: <InstrmtMDReqGrp>						
Tag	Field Name	Req'd	ICR	Action	Mappings and Usage Comments	Comments
146	NoRelatedSym	Y				
	Component <Instrument>	Y				
	Component <UndInstrmtGrp>	N				
	Component <InstrmtLegGrp>	N				

Component		N		ADD		
<SpreadOrBenchmarkCurveData>						
15	Currency	N				
<...truncated...>						
1500	MStreamID	N				
<i>&lt;/InstrmtMDReqGrpComponent block name&gt;</i>						

## 7 Category Changes

No new category proposed.



## Appendix A - Data Dictionary

Tag	FieldName	Action	Datatype	Description	FIXML Abbreviation	Add to / Deprecate from Message type or Component block
269	MDEntryType	Change	int	<p>Type of market data entry.</p> <p>0 = Bid                      1 = Offer                      2 = Trade                      3 = Index value</p> <p>[Elaboration: A reference stock index (e.g. DJIA) or benchmark rate (e.g. LIBOR).]</p> <p><u>Note – update capitalization of certain enum descriptions to comply with style guidelines.</u></p> <p>4 = Opening price                      5 = Closing price                      6 = Settlement price                      7 = Trading session high price                      8 = Trading session low price                      9 = Trading session Volume Weighted Average Price (VWAP)                      A = Imbalance                      B = Trade volume                      C = Open interest                      D = Composite underlying price                      E = Simulated sell price                      F = Simulated buy price                      G = Margin rate                      H = Mid-price                      J = Empty book</p>	@Typ	

				<p><u>K = Settle high price</u>  <u>L = Settle low price</u>  <u>M = Prior settle price</u>  <u>N = Session high bid</u>  <u>O = Session low offer</u>  <u>P = Early prices</u>  <u>Q = Auction clearing price</u>  <u>S = Swap Value Factor (SVF) for swaps cleared through a central counterparty (CCP)</u>  <u>R = Daily value adjustment for long positions</u>  <u>T = Cumulative value adjustment for long positions</u>  <u>U = Daily value adjustment for short positions</u>  <u>V = Cumulative value adjustment for short positions</u>  <u>W = Fixing price</u>  <u>X = Cash rate</u>  <u>Y = Recovery rate</u>  <u>Z = Recovery rate for long positions</u>  <u>a = Recovery rate for short positions</u>  <u>b = Market bid</u>  <u>c = Market offer</u>  <u>d = Short sale minimum price</u>          ....</p>		
663	BenchmarkPriceType (update to be applied to PriceType(423) parent enum list)	Change	int	<p>Identifies type of BenchmarkPrice (662). See PriceType (423) for valid values.</p> <p>1 = Percentage (i.e. percent of par) (often called "dollar price" for fixed income)                  2 = Per unit (i.e. per share or contract)                  3 = Fixed amount (absolute value)                  ....                  22 = Basis points [Elaboration: When price is</p>	@PxTyp	

				not spread based.] 23 = Upfront points [Elaboration: Used specifically for CDS pricing.] <del>tbl-24</del> = Interest rate [Elaboration: When the price is an interest rate. For example, used with benchmark reference rate.]		
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## Appendix B - Glossary Entries

Term	Definition	Field where used

## Appendix C - Abbreviations

Term	Proposed Abbreviation	Proposed Messages, Components, Fields where used

## Appendix D - Usage Examples

[Examples may be entered below this line]