

TRAD-X

**Market Making Scheme Description
– EUR IRS (LCH Order Book)**

To be read in conjunction with the Market Making Agreement

Issue 1.0 (01 November 2017)

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1. Introduction

Launched in 2011, Trad-X is the multi-asset class trading platform for OTC Derivatives, providing rich functionality, low latency and a proven ability to attract deep high-quality liquidity. Trad-X has been designed to meet the demands of today's market and a globally future-proof method of trading in a shifting regulatory environment. As part of Trad-X's continuous evolution to meet these demands (and, in particular, requirements being introduced by Directive 2014/65/EU of the European Parliament and Council ("**MiFID 2**")), a new Market Making Scheme is being introduced for Trad-X, as further described in this document.

2. Summary

The purpose of this document is to provide an understanding of the key elements of the Trad-X Market Making Scheme. This document will be monitored and updated as the Market Making Scheme continues and develops.

3. Enquiries

For assistance contact Trading Operations at trading.operations@tradition.com or call +44 (0)20 7198 1556.

4. Market Making Scheme Description

4.1. Overview

Trad-X is a multilateral trading facility (MTF) for the purposes of the Markets in Financial Instruments Directive 2004/39/EC ("**MiFID**"), as amended, and MiFID 2. In accordance with the requirements set out in Article 48(2) and (3) of MiFID 2, this document sets out the details of the Trad-X Market Making Scheme, and which supplements the Market Making Agreement which may be entered into by Market Makers wishing to pursue a market making strategy on the Trad-X market.

This document sets out the following details in relation to the Trad-X Market Making Scheme:

- The "Risk-Adjusted Average Spread" (RAAS) Mechanism (see **4.2**);
- Tenors and Evaluation Metrics (see **4.3**);
- "Exceptional Circumstances" and "Stressed Market Conditions" (see **4.4**)
- Incentives (see **4.5**).

This document should be read in conjunction with the "MiFID 2 Market Making Agreement" issued by Tradition from time to time.

4.2. The “Risk-Adjusted Average Spread” (RAAS) Mechanism

Tradition measures the streaming activity undertaken by Market Makers on the Trad-X platform by calculation of the Risk-Adjusted Average Spread or RAAS, a number which is used to peer-measure Market Makers.

The RAAS is calculated using the following formula:

$$\text{Ranking points per product} = [\text{qualifying hours} * \max[10\text{y duration, tenor duration}]] / [0.1\text{bp} + \text{mean bid-offer}]$$

Where any individual bid-offer readings are $\max[0, \text{bid-offer}]$

Tradition will announce qualifying streaming size for each period at the beginning of each Quarter. Calculation will be Euro 25,000 DV01 duration in all streaming periods rounded to the nearest 10 million. This will then remain as the qualifying size for the whole Quarter.

Full RAAS reporting will be made to Market Makers at the end of each Quarter, with Market Makers additionally being informed of its monthly ranking (against all Market Makers) achieved each month.

The RAAS will be calculated as the Volume Weighted Average Price of that Market Maker's contributions on the bid side and offer side of that instrument in the minimum quote size that has been set for that period, providing the split of the size was at least half of the minimum RAAS qualifying size. i.e. 25k EURO DV01.

BBO reward based on best passive stream (adjusted). This is the reward earned for being BBO and works as follows: if a Market Maker is either the best bid or best offer in a stack (price/time priority) for that period of time, it will receive the same as the BBO spread of the best streamer plus 20%.

Example:

5 Year stack

Bid			Ask		
Bank A	100m	1.3670	Bank C	100m	1.37
Bank B	100m	1.3660	Bank B	100m	1.3760
Bank C	100m	1.3640			

Using the case above, Bank A would get BBO spread of 0.72 which is 0.6 same as Bank C which is best passive stream plus 20%, even though it has only made a bid. As Bank C is top of offer stack but is also best passive stream, it would get BBO spread of 0.6: slightly better than Bank A as a reward for making a two way price. Again, just for illustration, Bank B gets BBO spread of 1 and is unaffected by the adjustments.

4.3. Tenors and Evaluation Metrics

	<u>Size</u> <u>(MM)</u>	<u>BBO</u> <u>(Bps)</u>	<u>Weight</u> <u>(1)</u>	<u>RAAS</u> <u>Points</u> <u>(2)</u>	<u>(1)*(2)</u>	<u>+/-</u> <u>0.1 Bps</u> <u>BBO</u>
2 Year:						
1 Outright 6s	100	0.6	1	100	100	12
2 Gadget 2yr vs. Schatz	100	0.5	1	117	117	17
3 Schatz Spread	100	0.5	0.75	117	88	13
4 3sv6s basis	100	0.4	0.3	140	42	7
5 Bor vs. Eonia basis	100	0.5	0.3	117	35	5
5 Year:						
6 Outright 6s	50	0.5	1	117	117	17
7 Gadget 5yr vs. Bobl	50	0.5	1	117	117	17
8 Bobl Spread	50	0.5	0.75	117	88	13
9 3sv6s basis	50	0.4	0.3	140	42	7
10 Bor vs. Eonia basis	50	0.5	0.3	117	35	5
10 Year:						
11 Outright 6s	25	0.5	1	117	117	17
12 Gadget 10yr vs. Bund	25	0.5	1	117	117	17
13 Bund Spread	25	0.5	0.75	117	88	13
14 3sv6s basis	25	0.4	0.3	140	42	7
15 Bor vs. Eonia basis	25	0.5	0.3	117	35	5
30 Year:						
16 10*30	10	0.75	1	248	248	27
17 Gadget 30yr vs. Bund	10	1	1	191	191	16
18 3sv6s basis	10	0.4	0.3	421	126	21
Total (3):					1,745	235

		<u>Size</u> <u>(MM)</u>	<u>BBO</u> <u>(Bps)</u>	<u>Weight</u> <u>(1)</u>	<u>RAAS</u> <u>Points</u> <u>(2)</u>	<u>(1)*(2)</u>	<u>+/-</u> <u>0.1 Bps</u> <u>BBO</u>
1Year Gap Fly:							
19	2x3x4	100	0.5	0.25	117	29	4
20	3x4x5	100	0.5	0.25	117	29	4
21	4x5x6	100	0.5	0.25	117	29	4
22	5x6x7	100	0.5	0.25	117	29	4
23	6x7x8	100	0.5	0.25	117	29	4
24	7x8x9	100	0.5	0.25	117	29	4
25	8x9x10	100	0.5	0.25	117	29	4
26	9x10x11	100	0.5	0.25	117	29	4
27	10x11x12	100	0.5	0.25	129	32	5
Spread/Flies							
28	2x5	50	0.7	0.5	88	44	5
29	5x10	25	0.7	0.5	88	44	5
30	5x7x10	75	0.5	0.5	117	59	8
31	10x12x15	50	0.5	0.5	140	70	10
32	10x20x30	25	0.6	0.5	200	100	13
33	20x25x30	25	0.6	0.5	250	125	16
34	30x40	10	0.7	0.5	330	165	10
35	30x50	10	1	0.5	318	159	13
Total (4):						1032	118
Total (3) + (4):						2777	353

NOTES:

- Trad-X platform open from 07:00 to 17:00 (GMT).
- "Weight" –weighting multiple attached to the tenor based on Tradition's assessment of the tenor's importance to the overall liquidity of the Trad-X ecology.
- "RAAS Points" values based on 7 hours' of streaming during open hours.
- "+/- 0.1 Bps BBO" value illustrates the addition/reduction in RAAS points resulting from a 0.1 Bps improvement/deterioration of a Market Maker's stream.
- "Total (3) + (4)" total reflects the qualification target for **one Trading Day** of streaming activity. Each Quarter will contain a different number of Trading Days, such that the qualification target may differ each Quarter, but will be measured across the whole Quarter.

4.4. Exceptional Circumstances and Stressed Market Conditions

In accordance with *Commission Delegated Regulation (EU) 2017/578 of 13 June 2016, supplementing Directive 2014/65/EU of the European Parliament and of the Council on markets in financial instruments with regard to regulatory technical standards specifying the requirements on market making agreements and schemes* (RTS 8):

- (i) Tradition shall make public the occurrence of “exceptional circumstances” as set out in Article 3(1)(b), (c) and (e) and, as soon as technically possible, resume normal trading after the exceptional circumstances have ceased to exist; and
- (ii) for the avoidance of doubt, in such exceptional circumstances, Market Makers shall not be obliged to provide liquidity pursuant to Article 3 of RTS 8.

In Stressed Market Conditions, maximum spreads will be increased by 100 percent and the minimum quote size will be reduced by 50 percent to score RAAS points. In Exceptional Circumstances, no streaming is expected from Market-Makers.

For the purposes of this paragraph:

- “Exceptional Circumstances” shall have the meaning given to it in Article 3 of RTS 8; and
- Tradition shall declare “Stressed Market Conditions”: (a) if, in its discretion, it considers that there are significant short-term changes in price or volume in respect; or (b) in the event that an event of “SMC Fast” or “SMC Auto” is declared pursuant to the General Supplement to the Eurex Liquidity Provider Agreement, v.1.0, 15-September 2017 as may be updated from time to time.

4.5. Incentives

In each Quarter, Market Makers meeting the RAAS qualification target (this target being a function of the expected daily RAAS score (“Total (3) + (4)” figure in 4.3, multiplied by the number of Trading Days in the applicable Quarter) will be entitled to a brokerage credit, to be applied to the Market Maker’s Trad-X brokerage invoice for the immediately following Quarter.

The brokerage credit to be applied in Quarter ***t*** shall be:

- for the highest qualifying Market Maker shall be 35%;
- all other qualifying Market Makers will receive a credit for 25%,

in each case, of the electronic brokerage paid by the applicable Market Maker in Quarter ***t-1***.

The brokerage credit may only be applied in the following Quarter. Where a brokerage credit in a Quarter exceeds the brokerage payable by that Market Maker for that Quarter, remaining credit cannot be ‘carried over’ to the next Quarter.

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