APPENDIX B: MARKET MAKER OBLIGATIONS IN QUALIFYING SUBCLASSES OF SWEDISH EQUITY DERIVATIVES

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1. GENERAL MARKET MAKER OBLIGATIONS

1.1 Continuous Provision of Quotes

The MM shall continuously provide bid and ask quotes in accordance with the conditions set out below in Sections 1.3–1.7:

1. during at least eighty per cent (80%) of normal trading hours including periods with Stressed Market Conditions, calculated as a monthly average per underlying instrument; and
2. during at least fifty per cent (50%) of normal trading hours including periods with Stressed Market Conditions, calculated for each trading day per underlying instrument.

1.2 Request-For-Quote in Tailor-Made Combinations:

The MM shall respond to fifty per cent (50%) of the total number of quote requests in eligible Combinations, calculated for each calendar month per underlying instrument, by providing bid and ask quotes in accordance with the following:

1. The MM shall respond by providing quotes within twenty (20) seconds after the relevant quote request.
2. The MM shall maintain quotes for a duration of at least twenty (20) seconds following a quote request. The MM may update quoted bid and ask prices during this time. If a quote is partially or fully traded before the twenty (20) seconds have elapsed, the obligation to respond to the relevant quote request will be deemed fulfilled.
3. If quotes are re-requested in the same Combination after the twenty (20) second holding time, a new quote shall be provided and again maintained for twenty (20) seconds.
4. A Combination shall be quoted with the same number of lots as the minimum outright quote size defined for the relevant underlying as set out in Section 1.6.
5. Combination bid and ask prices shall be quoted in accordance with the spread requirements defined in Section 1.7.
6. Limitations:
   (i) A floor is applied where the obligations for a month per underlying instrument are deemed to be met if eight (8) or less quote requests were observed during the month.
   (ii) A per month and underlying instrument cap is applied where a maximum of one hundred (100) quote requests are counted of which fifty per cent (50%) must be answered. For OMXS30, the cap is two hundred (200) quote requests.

(iii) The MMs obligation to respond to quote requests in Combinations is limited to Combinations that meet all the following conditions:

(A) The Combination is a standard strategy, as determined by the Exchange from time to time and specified in the Market Model Nasdaq Derivatives Markets.

(B) Each component of the Combination is an instrument Series that is covered by the MM's continuous quotation requirements as defined in Sections 1.3–1.5.

(C) No component of the Combination is an instrument Series where the MM is only required quote an ask price and no bid, in accordance with Section 1.7.

(D) Quote requests issued during the first twenty (20) minutes of normal trading hours on each trading day, will not be counted by the Exchange for the purpose of determining the MM's effective compliance with the requirements defined in this Section 1.2.

1.3 Number of Underlying Instruments

The Exchange determines the from time-to-time applicable classification of Swedish shares in three (3) classes and for each underlying instrument, the required number of Contracts to be quoted. The share classes are designated as Class S1, Class S2 and Class SX.

1.3.1 Large MM

The MM, if to be defined as a Large MM, as a minimum undertakes to quote instrument Series based on a total of seven (7) underlying shares. From these, the MM shall select three (3) underlying shares, of which two (2) shall be selected from Class S1, and one (1) shall be selected from Class S2. Three (3) underlying shares from Class S1 and one (1) underlying share from Class S2 shall be determined by the Exchange and shall be selected to be regularly quoted by the MM.

The MM may undertake to quote instrument Series on one or more additional underlying instruments in order to qualify for additional fee discounts and/or rebates as follows:

1. The MM may select one or more underlying shares from Class SX, pursuant to section 2.2.

2. The MM may select the OMXS30 index pursuant to section 2.3.

The MM, if having a Large MM undertaking, may change its selection of underlying instruments in accordance with the prior paragraph, to take effect on the first trading day of a calendar month and in any case at the earliest thirty (30) days after the Exchange has received notification by the MM. Correspondingly, the MM will be notified thirty (30) days in advance regarding changes to the underlying instruments that the Exchange determines in accordance with the prior paragraph.

If the MM is prevented, due to a disruptive event outside the control of the MM and which the MM could not reasonably have foreseen or prevented by reasonable precaution, from executing hedging transactions in an underlying instrument part of its undertaking, the Exchange may allow the MM to replace the concerned underlying either by making a new selection, or request the Exchange to make a new determination, in accordance with the procedure set out in this Appendix, without being subject to the thirty (30) days' notice period. Such disruptive events, as determined by the Exchange, may include, but are not limited to, an extraordinary deterioration in the available liquidity in the concerned shares, or inability for the MM to borrow or maintain borrowing of, the concerned shares. The MM shall upon request provide the Exchange with details evidencing its inability to execute hedging transactions in the concerned shares.

1.3.2 Small MM

The MM, if to be defined as a Small MM, shall in its undertaking include underlying instruments chosen by the MM.

1.4 Number of Expiration Months/Weeks

The MM shall provide quotes in instrument Series in the number of listed Expiration Months specified per underlying instrument in Appendix A for classification of qualifying subclasses.

Regarding the OMXS30 index as underlying instrument, the MM may choose to include in its undertaking options with monthly expiration type, or options with weekly expiration type, or both. To fulfil its Market Maker commitment regarding monthly expirations, the MM shall provide quotes in the six (6) first listed Expiration Months. To fulfil its Market Maker commitment regarding weekly expirations, the MM shall provide quotes in all listed Expiration Weeks.

Where the underlying instrument is a stock index, the first listed Expirations Months shall be determined without regard to instrument Series which has the current day as the Expiration Day.

1.5 **Number of Instrument Series**

1.5.1 Share Underlyings:

The MM shall provide quotes in fifteen (15) instrument Series per Expiration Month for the selected underlying instruments. The MM undertakes to quote pursuant to the following: seven (7) call option instrument Series, seven (7) put option instrument Series and one (1) forward/future. The option instrument Series that shall be quoted for each Expiration Month are the instrument Series which is at-the-money, the two instrument Series which are closest to being in-the-money, and the four instrument Series which are closest to being out-of-the-money. In cases where instrument Series are not available for trading according to the above, the seven instrument Series nearest at-the-money shall be quoted for each Expiration Month.

The MM may replace its quoting obligation in the relevant forward/future by providing additional quotes in options. The MM shall then provide quotes in one (1) additional out-of-the-money call option instrument Series and one (1) additional out-of-the-money put option instrument Series for each Expiration Month where the MM has obligations.

1.5.2 Index Underlyings:

Regarding the first three (3) listed Expiration Months and all listed Expirations Weeks, the MM shall provide quotes pursuant to the following per Expiration, per option type (call/put): the one (1) instrument Series which is at-the-money, the four (4) instrument Series which are closest to being in-the-money, and the eight (8) instrument Series which are closest to being out-of-the-money. In cases where instrument Series are not available for trading according to the previous, the thirteen (13) instrument Series nearest at-the-money shall be quoted for each Expiration.

Regarding the following three (3) listed Expiration Months, the MM shall provide quotes pursuant to the following per Expiration, per option type (call/put): the one (1) instrument Series which is at-the-money, the two (2) instrument Series which are closest to being in-the-money, and the four (4) instrument Series which are closest to being out-of-the-money. In cases where instrument Series are not available for trading according to the previous, the seven (7) instrument Series nearest at-the-money shall be quoted for each Expiration.

1.6 **Number of Contracts (Minimum Quote Size)**

Each individual bid or ask price quoted by the MM shall be for at least the required number of Contracts, as determined by the Exchange from time to time and specified per underlying instrument in Appendix A for classification of qualifying subclasses.

Where the underlying instrument is an individual stock, depositary receipt or exchange traded fund; the required number of Contracts will be halved (rounded up where applicable) for instrument Series which has the current day as the Expiration Day.

During Stressed Market Conditions, the required number of Contracts in individual bid and ask quotes will be halved (rounded up where applicable) for the concerned underlying instrument(s).

1.7 Spread Requirements

Details on the available spread tables that define maximum bid-ask spread for different price ranges and expiration months, are specified below in Schedules B1 and B2. For Combinations, the values defined for far months are always used.

To perform its minimum quoting obligations in options on the OMXS30 index, the MM shall quote pursuant to the defined normal spread requirements. Upon fulfilment of such minimum quoting obligations regarding both monthly and weekly expirations, the MM may qualify for an additional fee rebate if meeting the defined tighter spread requirements in a limited set of Series as set out in section 2.3.2.

Information on which spread table that applies for options per underlying Instrument and where applicable for normal and tighter requirements, respectively, as determined by the Exchange from time to time, is specified in Appendix A: Classification of Qualifying Subclasses of Swedish Equity Derivatives.

Information on which spread table that applies for index futures and single stock futures/forwards, respectively, is specified below in Schedule B2.

For outright instrument Series, the applicable spread will be determined by the quoted bid price.

For Combinations, the applicable spread will be determined by the quoted price that is closest to zero (0); for negative prices, the max spread applicable for its absolute value will be used.

No bid price is required by the MM in order to fulfil the spread requirements in a certain instrument Series, if the quoted ask price from the MM in that instrument Series is at or below the smallest defined spread in the applicable spread table.

Where the underlying instrument is an individual stock, depositary receipt or exchange traded fund, the spread requirements will double for instrument Series which has the current day as the Expiration Day.

During Stressed Market Conditions, the spread requirements (normal and tighter) will double for all instrument Series based on the concerned underlying instrument(s).

In case the price, volatility and/or liquidity for an underlying instrument changes significantly, the Exchange may widen the spread requirements by assigning a different spread table. Such change can be implemented with shorter notice, at the earliest as of the next trading day, than the required thirty (30) days in advance notification regarding changes to the obligations in this Appendix.

2. ADDITIONAL INCENTIVES

2.1 Stressed market incentive

The MM is entitled to an additional rebate in accordance with the Market Maker Fee List if during Stressed Market Conditions and for the concerned underlying instrument(s), the MM continuously provide quotes:

1. During at least eighty per cent (80%) of the time with Stressed Market Conditions, calculated as a monthly average per underlying instrument.

2. In accordance with the quotation requirements set out in Sections 1.3–1.7.

2.2 Product growth segment incentive

The MM is entitled to an additional rebate in accordance with the Market Maker Fee List, regarding the respective underlying instruments selected from class SX that have been quoted in accordance with the requirements set out in this Appendix.

2.3 OMXS30 index options incentives

2.3.1 Large MM

When qualifying as Large MM, the MM is entitled to an additional fee discount in accordance with the Market Maker Fee List if including in its undertaking the OMXS30 index as underlying instrument in addition to the minimum required seven (7) underlying shares. The fee discount applies to such index options which have the expiration type (monthly and/or weekly) that the MM has chosen to include in its undertaking.

2.3.2 Tighter spread

Upon fulfilment of the minimum quoting obligations pursuant to normal spread requirements regarding both regular and weekly options on the OMXS30 index, the MM may qualify for an additional fee rebate based on the time it has met tighter spread requirements:

1. in the number of instrument Series per expiration set out in section 1.5;

2. regarding the three (3) first listed Expiration Months and all listed Expiration Weeks;

in accordance with the Market Maker Fee List.

The quotation time will be measured in terms of coverage of normal trading hours including periods with stressed market conditions, calculated as a monthly average.

3. EXCEPTIONAL CIRCUMSTANCES

Exceptional Circumstances is a market condition declared by the Exchange due to an extreme market situation as defined in Article 3 of Commission Delegated Regulation (EU)

2017/578. See also Section 2.6 of the Exchange Rules and the Market Model Nasdaq Derivatives Markets for further details.

During Exceptional Circumstances, temporary deviations from the obligations stated in this Appendix is allowed. Exceptional Circumstances will be treated on a case-by-case basis. During Exceptional Circumstances, quoting obligations are temporarily disabled.

Exceptional Circumstances can be applied for:

1. one or several market segments;

2. for all Market Makers; or

3. for a specific Market Maker.

3.1 **For a specific Market Maker:**

An MM can apply for Exceptional Circumstances due to its inability to maintain prudent risk management practices pursuant to Article 3 of the Commission Delegated Regulation (EU) 2017/578.

In case an MM applies for Exceptional Circumstances, it must submit a prompt notice of its inability to maintain prudent risk management practices to the Exchange. The notice shall be sent to tradingoperations@nasdaq.com and shall outline the issue in detail and when it is expected to be resolved. Details shall for instance include whether the issue is of internal character or if it is related to an external supplier whereby the supplier shall be named. The MM must also submit a prompt notice when the issues have ended.

The Exchange may require the MM to submit additional details evidencing its inability to maintain prudent risk management practices.

Based on the provided evidence, the Exchange will on a case-by-case basis decide on whether the request shall result in Exceptional Circumstances whereby the MM’s quoting obligations are temporarily disabled.

By default, declared Exceptional Circumstances are valid for one day. If the issues persist for more than one day, the MM must notify the Exchange each day separately.

For the same occasion and issue, Exceptional Circumstances can be granted for up to one week in total. Upon agreement and in extreme cases the Exchange may extend the time limit.

4. MISCELLANEOUS

4.1 **Validity:**

The obligations defined in this Appendix are valid until further notice. The MM shall be notified thirty (30) days in advance regarding changes to the obligations in this Appendix.

4.2 **Monitoring:**

The Exchange shall monitor the MM's effective compliance with the requirements in this Appendix and determine if the MM shall be entitled to market maker fees in accordance with the Market Maker Fee List based on the above required number of Contracts to be quoted for each underlying instrument.

4.3 **Recommencement of obligations:**

The MM shall resume trading as soon as possible in conjunction with the recommencement of trading after Suspension of Trading, an extraordinary closure or after a period with Exceptional Circumstances and following Exchange Transactions.

4.4 **Period of validity of quotes:**

The quotes are valid up to the making of a new quote with respect to the same instrument Series or until the revocation which is immediately followed by a new quote regarding the same instrument Series.

SCHEDULE B1: SPREAD TABLES FOR OPTIONS

Table ID	Months	Price From	Max Spread
SI1N	First 3	0.00	3.75
	First 3	25.00	15.00%
	First 3	80.00	12.00
	Far	0.00	3.75
	Far	25.00	15.00%
	Far	160.00	24.00
SI1T	First 3	0.00	3.00
	First 3	25.00	12.00%
	First 3	83.33	10.00
D1	First 3	0.00	0.20
	First 3	1.00	20%
	First 3	2.50	0.50
	Far	0.00	0.40
	Far	1.00	40%
	Far	2.50	1.00
D2	First 3	0.00	0.40
	First 3	2.00	20%
	First 3	5.00	1.00
	Far	0.00	0.80
	Far	2.00	40%
	Far	5.00	2.00
D4	First 3	0.00	0.80
	First 3	4.00	20%
	First 3	10.00	2.00
	Far	0.00	1.60
	Far	4.00	40%
	Far	10.00	4.00
D6	First 3	0.00	1.20
	First 3	6.00	20%
	First 3	15.00	3.00
	Far	0.00	2.40
	Far	6.00	40%
	Far	15.00	6.00
D8	First 3	0.00	1.60
	First 3	8.00	20%
	First 3	20.00	4.00
	Far	0.00	3.20
	Far	8.00	40%
	Far	20.00	8.00
D10	First 3	0.00	2.00
	First 3	10.00	20%
	First 3	25.00	5.00
	Far	0.00	4.00
	Far	10.00	40%
	Far	25.00	10.00
D20	First 3	0.00	4.00
	First 3	20.00	20%
	First 3	50.00	10.00
	Far	0.00	8.00
	Far	20.00	40%
	Far	50.00	20.00

Table ID	Months	Price From	Max Spread
D40	First 3	0.00	8.00
	First 3	40.00	20%
	First 3	100.00	20.00
	Far	0.00	16.00
	Far	40.00	40%
	Far	100.00	40.00
H3	First 3	0.00	0.90
	First 3	3.00	30%
	First 3	7.50	2.25
	Far	0.00	1.80
	Far	3.00	60%
	Far	7.50	4.50
H5	First 3	0.00	1.50
	First 3	5.00	30%
	First 3	12.60	3.80
	Far	0.00	3.00
	Far	5.00	60%
	Far	12.60	7.60
H8	First 3	0.00	2.40
	First 3	8.00	30%
	First 3	20.00	6.00
	Far	0.00	4.80
	Far	8.00	60%
	Far	20.00	12.00
H10	First 3	0.00	3.00
	First 3	10.00	30%
	First 3	25.00	7.60
	Far	0.00	6.00
	Far	10.00	60%
	Far	25.00	15.00
V1	First 3	0.00	0.50
	First 3	1.00	50%
	First 3	2.50	1.25
	Far	0.00	1.00
	Far	1.00	100%
	Far	2.50	2.50
V2	First 3	0.00	1.00
	First 3	2.00	50%
	First 3	5.00	2.50
	Far	0.00	2.00
	Far	2.00	100%
	Far	5.00	5.00
V5	First 3	0.00	2.50
	First 3	5.00	50%
	First 3	12.40	6.20
	Far	0.00	5.00
	Far	5.00	100%
	Far	12.40	12.40

Table Id: IO1		
Months	**From**	**Spread**
First 3	0.00	1.25
First 3	5.00	2.00
First 3	10.00	3.00
First 3	23.00	3.75
First	30.00	4.50
First 3	40.00	5.00
First 3	50.00	5.50
First 3	75.00	6.00
First 3	120.00	5.0%
Far	0.00	2.00
Far	8.00	3.50
Far	16.00	5.50
Far	32.00	6.50
Far	64.00	8.50
Far	100.00	12.00
Far	200.00	6.0%

Table Id: IO2		
Months	**From**	**Spread**
First 3	0.00	0.85
First 3	3.50	1.30
First 3	7.00	2.00
First 3	16.00	2.50
First 3	27.00	3.00
First 3	59.50	5.0%
Far	0.00	1.40
Far	5.50	2.25
Far	12.50	3.50
Far	27.00	4.50
Far	45.00	5.25
Far	105.00	5.0%

Table Id: O05		
Months	**From**	**Spread**
First 3	0.00	0.20
First 3	0.70	0.25
First 3	1.50	17.0%
Far	0.00	0.40
Far	1.10	0.45
Far	2.50	18.0%

Table Id: O10		
Months	**From**	**Spread**
First 3	0.00	0.45
First 3	1.75	0.50
First 3	4.00	13.0%
Far	0.00	0.90
Far	2.80	1.00
Far	7.00	15.0%

Table Id: O15		
Months	**From**	**Spread**
First 3	0.00	0.85
First 3	3.30	1.00
First 3	8.00	13.0%
Far	0.00	1.40
Far	3.25	2.00
Far	13.50	15.0%

Table Id: O20		
Months	**From**	**Spread**
First 3	0.00	1.00
First 3	3.00	1.30
First 3	5.00	1.50
First 3	12.00	13.0%
Far	0.00	2.00
Far	4.75	2.60
Far	8.30	3.00
Far	20.00	15.0%

Table Id: O30		
Months	**From**	**Spread**
First 3	0.00	1.40
First 3	4.00	1.70
First 3	6.70	2.00
First 3	15.50	13.0%
Far	0.00	2.70
Far	6.50	3.20
Far	11.00	3.80
Far	25.00	15.0%

Table Id: O35		
Months	**From**	**Spread**
First 3	0.00	2.00
First 3	5.50	2.40
First 3	9.40	2.80
First 3	21.40	13.0%
Far	0.00	3.80
Far	9.00	4.80
Far	15.50	5.20
Far	35.00	15.0%

Table Id: O40		
Months	**From**	**Spread**
First 3	0.00	2.50
First 3	7.00	3.00
First 3	12.00	3.60
First 3	27.00	13.0%
Far	0.00	5.00
Far	12.00	6.00
Far	19.50	7.00
Far	47.00	15.0%

Table Id: O45		
Months	**From**	**Spread**
First 3	0.01	4.00
First 3	11.00	4.50
First 3	17.50	5.00
First 3	38.40	13.0%
Far	0.00	7.00
Far	17.00	8.80
Far	28.00	10.00
Far	67.00	15.0%

Table Id: O50		
Months	**From**	**Spread**
First 3	0.00	5.20
First 3	10.00	8.60
First 3	23.40	10.60
First 3	40.00	12.00
First 3	93.00	13.0%
Far	0.00	10.20
Far	16.70	16.20
Far	38.40	20.00
Far	65.00	23.00
Far	154.00	15.0%

Table Id: O60		
Months	**From**	**Spread**
First 3	0.00	8.20
First 3	16.00	13.60
First 3	37.40	16.60
First 3	63.40	19.00
First 3	147.00	13.0%
Far	0.00	16.20
Far	26.40	26.00
Far	61.40	32.20
Far	104.00	36.80
Far	246.00	15.0%

Table Id: O90		
Months	**From**	**Spread**
First 3	0.00	100.00
First 3	200.00	125.00
First 3	500.00	160.00
First 3	1000.00	16.0%
Far	0.00	150.00
Far	400.00	225.00
Far	1000.00	300.00
Far	1500.00	20.0%

Table Id: SP1		
Months	**From**	**Spread**
First 3	0.00	1.20
First 3	1.60	75.0%
Far	0.00	2.75
Far	2.75	100.0%

Table Id: SP2		
Months	**From**	**Spread**
First 3	0.00	1.40
First 3	1.00	2.00
First 3	4.00	50.0%
Far	0.00	3.00
Far	1.50	4.00
Far	7.00	60.0%

Table Id: SP3		
Months	**From**	**Spread**
First 3	0.00	2.20
First 3	1.00	3.50
First 3	2.50	5.00
First 3	10.00	50.0%
Far	0.00	4.50
Far	1.75	7.50
Far	4.00	10.50
Far	17.50	60.0%

SCHEDULE B2: SPREAD TABLES FOR FUTURES/FORWARDS

Futures/Forwards on Shares		
Months	**From**	**Spread**
Near 3	0.00	1.25
Near 3	50.00	2.50%
Far	0.00	2.50
Far	50.00	5%
Futures on Share Indices		
Months	**From**	**Spread**
Near 3	0.00	0.50%
Far	0.00	1.00%