# ING Bank N.V. Legal entity identifier (LEI): 3TK20IVIUJ8J3ZU0QE75 Issue of

Series number of the Certificates	WKN Code	ISIN Code	Number of Certificates being issued	Title
233,457	NG599R	DE000NG599R3	1,000,000	ING Long Commodity Open End Turbo Certificate
233,458	NG599S	DE000NG599S1	1,000,000	ING Long Commodity Open End Turbo Certificate
233,459	NG599T	DE000NG599T9	1,000,000	ING Long Commodity Open End Turbo Certificate
233,460	NG599U	DE000NG599U7	1,000,000	ING Long Commodity Open End Turbo Certificate
233,461	NG599V	DE000NG599V5	1,000,000	ING Long Commodity Open End Turbo Certificate
233,462	NG599W	DE000NG599W3	1,000,000	ING Long Commodity Open End Turbo Certificate
233,463	NG599X	DE000NG599X1	1,000,000	ING Long Commodity Open End Turbo Certificate
233,464	NG599Y	DE000NG599Y9	1,000,000	ING Long Commodity Open End Turbo Certificate
233,465	NG599Z	DE000NG599Z6	1,000,000	ING Long Commodity Open End Turbo Certificate
233,466	NG5990	DE000NG59904	500,000	ING Long Commodity Open End Turbo Certificate
233,467	NG5991	DE000NG59912	500,000	ING Long Commodity Open End Turbo Certificate
233,468	NG5992	DE000NG59920	500,000	ING Long Commodity Open End Turbo Certificate
233,469	NG5993	DE000NG59938	500,000	ING Long Commodity Open End Turbo Certificate
233,470	NG5994	DE000NG59946	500,000	ING Long Commodity Open End Turbo Certificate
233,471	NG5995	DE000NG59953	500,000	ING Long Commodity Open End Turbo Certificate
233,472	NG5996	DE000NG59961	500,000	ING Long Commodity Open End Turbo Certificate
233,473	NG5997	DE000NG59979	1,000,000	ING Long Commodity Open End Turbo Certificate
233,474	NG5998	DE000NG59987	1,000,000	ING Long Commodity Open End Turbo Certificate
233,475	NG5999	DE000NG59995	200,000	ING Long Commodity Open End Turbo Certificate
233,476	NG6AAA	DE000NG6AAA3	200,000	ING Long Commodity Open End Turbo Certificate
233,477	NG6AAB	DE000NG6AAB1	200,000	ING Long Commodity Open End Turbo Certificate
233,478	NG6AAC	DE000NG6AAC9	200,000	ING Long Commodity Open End Turbo Certificate
233,479	NG6AAD	DE000NG6AAD7	200,000	ING Long Commodity Open End Turbo

				Certificate
233,480	NG6AAE	DE000NG6AAE5	200,000	ING Long Commodity Open End Turbo
				Certificate
233,481	NG6AAF	DE000NG6AAF2	200,000	ING Long Commodity Open End Turbo
				Certificate
233,482	NG6AAG	DE000NG6AAG0	200,000	ING Long Commodity Open End Turbo
				Certificate
233,483	NG6AAH	DE000NG6AAH8	200,000	ING Long Commodity Open End Turbo
				Certificate
233,484	NG6AAJ	DE000NG6AAJ4	200,000	ING Long Commodity Open End Turbo
				Certificate
233,485	NG6AAK	DE000NG6AAK2	200,000	ING Long Commodity Open End Turbo
				Certificate
233,486	NG6AAL	DE000NG6AAL0	200,000	ING Long Commodity Open End Turbo
				Certificate
233,487	NG6AAM	DE000NG6AAM8	200,000	ING Long Commodity Open End Turbo
				Certificate
233,488	NG6AAN	DE000NG6AAN6	200,000	ING Long Commodity Open End Turbo
				Certificate
233,489	NG6AAP	DE000NG6AAP1	200,000	ING Long Commodity Open End Turbo
				Certificate
233,490	NG6AAQ	DE000NG6AAQ9	200,000	ING Long Commodity Open End Turbo
				Certificate
233,491	NG6AAR	DE000NG6AAR7	200,000	ING Long Commodity Open End Turbo
				Certificate
233,492	NG6AAS	DE000NG6AAS5	200,000	ING Long Commodity Open End Turbo
				Certificate
233,493	NG6AAT	DE000NG6AAT3	200,000	ING Long Commodity Open End Turbo
				Certificate
233,494	NG6AAU	DE000NG6AAU1	200,000	ING Long Commodity Open End Turbo
				Certificate
233,495	NG6AAV	DE000NG6AAV9	200,000	ING Long Commodity Open End Turbo
				Certificate
233,496	NG6AAW	DE000NG6AAW7	200,000	ING Long Commodity Open End Turbo
				Certificate
233,497	NG6AAX	DE000NG6AAX5	250,000	ING Long Commodity Open End Turbo
				Certificate
233,498	NG6AAY	DE000NG6AAY3	250,000	ING Long Commodity Open End Turbo
				Certificate
233,499	NG6AAZ	DE000NG6AAZ0	250,000	ING Long Commodity Open End Turbo
				Certificate
233,500	NG6AA0	DE000NG6AA07	250,000	ING Long Commodity Open End Turbo
	7786114			Certificate
233,501	NG6AA1	DE000NG6AA15	500,000	ING Long Commodity Open End Turbo
				Certificate
233,502	NG6AA2	DE000NG6AA23	500,000	ING Long Commodity Open End Turbo
				Certificate
233,503	NG6AA3	DE000NG6AA31	500,000	ING Long Commodity Open End Turbo
				Certificate
233,504	NG6AA4	DE000NG6AA49	500,000	ING Long Commodity Open End Turbo
			1	Certificate
233,505	NG6AA5	DE000NG6AA56	250,000	ING Long Commodity Open End Turbo
			1	Certificate
233,506	NG6AA6	DE000NG6AA64	250,000	ING Long Commodity Open End Turbo
	31000	D D D D D D D D D D D D D D D D D D D	1	Certificate
233,507	NG6AA7	DE000NG6AA72	250,000	ING Long Commodity Open End Turbo

				Certificate
233,508	NG6AA8	DE000NG6AA80	250,000	ING Long Commodity Open End Turbo
				Certificate
233,509	NG6AA9	DE000NG6AA98	250,000	ING Long Commodity Open End Turbo
				Certificate

# under the Certificates Programme

Any person making or intending to make an offer of the Certificates may only do so:

- (i) in those Non-exempt Offer Jurisdictions mentioned in the paragraph Distribution of Part B below, provided such person is a Dealer or Authorised Offeror (as such term is defined in the Prospectus) and that any conditions relevant to the use of the Prospectus are complied with; or
- (ii) otherwise in circumstances in which no obligation arises for the Issuer or any Dealer to publish a prospectus pursuant to Article 3 of Regulation (EU) 2017/1129 (the "Prospectus Regulation") or to supplement a prospectus pursuant to Article 23 of the Prospectus Regulation, in each case, in relation to such offer.

Neither the Issuer nor any Dealer has authorised, nor do they authorise, the making of any offer of Certificates in any other circumstances.

MiFID II product governance / Retail investors, professional investors and ECPs target market — Solely for the purposes of the manufacturer's product approval process, the target market assessment in respect of the Certificates has led to the conclusion that: (i) the target market for the Certificates is eligible counterparties, professional clients and retail clients, each as defined in Directive 2014/65/EU (as amended, "MiFID II"); and (ii) all channels for distribution to eligible counterparties and professional clients are appropriate; and (iii) the following channels for distribution of the Certificates to retail clients are appropriate – investment advice, portfolio management, non-advised sales and pure execution services – subject to the distributor's suitability and appropriateness obligations under MiFID II, as applicable. Any person subsequently offering, selling or recommending the Certificates (a "distributor") should take into consideration the manufacturer's target market assessment; however, a distributor subject to MiFID II is responsible for undertaking its own target market assessment in respect of the Certificates (by either adopting or refining the manufacturer's target market assessment) and determining appropriate distribution channels, subject to the distributor's suitability and appropriateness obligations under MiFID II, as applicable.

PROHIBITION OF SALES TO UK RETAIL INVESTORS – The Certificates are not intended to be offered, sold or otherwise made available to and should not be offered, sold or otherwise made available to any retail investor in the United Kingdom ("UK"). For these purposes, a retail investor means a person who is one (or more) of: (i) a retail client, as defined in point (8) of Article 2 of Regulation (EU) No 2017/565 as it forms part of UK domestic law by virtue of the European Union (Withdrawal) Act 2018 ("EUWA"); (ii) a customer within the meaning of the provisions of the FSMA and any rules or regulations made under the FSMA to implement the Insurance Distribution Directive, where that customer would not qualify as a professional client, as defined in point (8) of Article 2(1) of Regulation (EU) No 600/2014 as it forms part of UK domestic law by virtue of the EUWA; or (iii) not a qualified investor as defined in Article 2 of the Prospectus Regulation as it forms part of UK domestic law by virtue of the EUWA (the "UK Prospectus Regulation"). Consequently no key information document required by Regulation (EU) No 1286/2014 as it forms part of UK domestic law by virtue of the EUWA (the "UK PRIIPs Regulation") for offering or selling the Certificates or otherwise making them available to retail investors in the UK has been prepared and therefore offering or selling the Certificates or otherwise

making them available to any retail investor in the UK may be unlawful under the UK PRIIPs Regulation.

#### PART A - CONTRACTUAL TERMS

These Final Terms have been prepared for the purpose of Article 8 of Regulation (EU) 2017/1129, as amended, and must be read in conjunction with the base prospectus consisting of separate documents (i.e. (i) the securities note dated 4 August 2022 and its supplement(s) (if any) (the "Securities Note") and (ii) the registration document of ING Bank N.V. (the "Issuer") dated 25 March 2022, and its supplement(s) (if any)) (the "Registration Document" and together with the Securities Note, the "Prospectus")) pertaining to the Issuer's Certificates Programme. Terms used herein shall be deemed to be defined as such for the purposes of the conditions set forth in the General Certificate Conditions and the relevant Product Conditions contained in the Prospectus which constitutes a base prospectus for the purposes of Regulation (EU) 2017/1129, as amended or superseded (the "Prospectus Regulation"). Full information on the Issuer and the offer of the Certificates is only available on the basis of the Prospectus, any supplements thereto and these Final Terms. The Prospectus and any supplements thereto are available for viewing at the Issuer's website (www.ingmarkets.com) and copies may be obtained from ING Bank N.V at Foppingadreef 7, 1102 BD Amsterdam, the Netherlands (E-mail: info@sprinters.nl) and are available for viewing on the websites www.ingmarkets.de, www.ingsprinters.nl and www.ingturbos.fr.

Prospective investors should carefully consider the section "Risk Factors" in the Prospectus.

## GENERAL DESCRIPTION OF THE CERTIFICATES

GEITE	RATE DESCRIPTION OF THE CERTIFICATES	
1	(a) Series number of the Certificates:	As specified in the table below
	(b) Whether or not the Certificates are to be consolidated and form a single series with the Certificates of an existing series:	1
2	(a) The type of Certificates which may be Index Certificates, Share Certificates, Currency Certificates, Commodity Certificates, Fund Certificates, Government Bond Certificates, Other Bond Certificates or Index Futures Certificates:	
	(b) Whether such Certificates are Best Certificates, Limited Certificates, Open Ended Certificates, Fixed Leverage Certificates or Tracker Certificates.	(Warketing name: Open End Turbo, Sprinter
	(c) Whether such Certificates are Long Certificates or Short Certificates:	Long Certificates
3	Number of Certificates being issued:	As specified in the table below
4	Issue Price per Certificate:	As specified in the table below
5	Trade Date:	28 December 2022
6	Issue Date:	30 December 2022
7	"as-if-and-when-issued" trading:	Not Applicable
8	Current Financing Level on the Trade Date:	As specified in the table below
9	Current Spread on the Trade Date:	As specified in the table below
10	Maximum Spread:	As specified in the table below
11	Current Stop Loss Premium Rate on the Trade Date:	As specified in the table below
12	Maximum Premium:	As specified in the table below
13	Minimum Premium:	As specified in the table below
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14	Stop Loss Price on the Trade Date:	As specified in the table below
15	Stop Loss Price Rounding:	As specified in the table below
1.6	Entitlement:	A
16	Entitlement:	As specified in the table below
17	Financing Level Currency:	As specified in the table below
18	Settlement Currency:	EUR
19	Exercise Time:	12:00 AM Central European Time
20	Cash Settlement Amount:	As specified in the Commodity Certificate Conditions
21	Final Valuation Date:	Not Applicable
22	Valuation Date(s):	Annually, commencing on the date one year after the Issue Date.
23	Applicable Business Day Centre(s) for the purposes of the definition of "Business Day"	Amsterdam

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Series	ISIN Code	Number	Issue	Current		Maxi	Current	Maxi	Minim	Stop	Stop	Entit	Finan
Numb		of	price	Financi	nt	mum	Stop	mum	um .	Loss	Loss	lem	cing .
er of		Certificate	per	ng	Sprea	Sprea	Loss	Premi	Premi	Price	Price	ent	Level
the		s being	Certifi	Level	d on	d	Premiu	um	um	on the	Roun		Curre
Certifi		issued	cate	on the	the		m			Trade	ding		ncy
cates				Trade	Trade		Rate			Date			
				Date	Date		on the						
							Trade						
							Date						
233,45	DE000NG5	1,000,000	0.03	84.1600	3.5	5.0	7.5	20.0	0.0	84.1600	0.01	0.1	USD
7	99R3			000000						000000			
233,45	DE000NG5	1,000,000	0.05	83.9100	3.5	5.0	7.5	20.0	0.0	83.9100	0.01	0.1	USD
8	99S1			000000						000000			
233,45	DE000NG5	1,000,000	0.07	83.6600	3.5	5.0	7.5	20.0	0.0	83.6600	0.01	0.1	USD
9	99T9			000000						000000			
233,46	DE000NG5	1,000,000	0.1	83.4100	3.5	5.0	7.5	20.0	0.0	83.4100	0.01	0.1	USD
0	99U7			000000						000000			
233,46	DE000NG5	1,000,000	0.12	83.1600	3.5	5.0	7.5	20.0	0.0	83.1600	0.01	0.1	USD
1	99V5			000000				20.0	0.0	000000			
233,46	DE000NG5	1,000,000	0.14	82.9100	3.5	5.0	7.5	20.0	0.0	82.9100	0.01	0.1	USD
2	99W3			000000				20.0	0.0	000000			
233,46	DE000NG5	1,000,000	0.17	82.6600	3.5	5.0	7.5	20.0	0.0	82.6600	0.01	0.1	USD
3	99X1			000000				20.0	0.0	000000			
233,46	DE000NG5	1,000,000	0.19	82.4100	3.5	5.0	7.5	20.0	0.0	82.4100	0.01	0.1	USD
4	99Y9	,,		000000				20.0	0.0	000000	0.01	J.1	JOD
233,46	DE000NG5	1,000,000	0.21	82.1600	3.5	5.0	7.5	20.0	0.0	82.1600	0.01	0.1	USD
	220001100	1,000,000	U.21	02.1000				20.0	0.0	02.1000	0.01	0.1	CSD

5	99Z6			000000						000000			
233,46	DE000NG5 9904	500,000	0.0	1807.12 000000 00	3.5	5.0	3.0	20.0	0.0	1807.12 000000 00	0.01	0.1	USD
233,46 7	DE000NG5 9912	500,000	0.14	1805.62 000000 00	3.5	5.0	3.0	20.0	0.0	1805.62 000000 00	0.01	0.1	USD
233,46	DE000NG5 9920	500,000	0.28	1804.12 000000 00	3.5	5.0	3.0	20.0	0.0	1804.12 000000 00	0.01	0.1	USD
233,46 9	DE000NG5 9938	500,000	0.42	1802.62 000000 00	3.5	5.0	3.0	20.0	0.0	1802.62 000000 00	0.01	0.1	USD
233,47 0	DE000NG5 9946	500,000	0.56	1801.12 000000 00	3.5	5.0	3.0	20.0	0.0	1801.12 000000 00	0.01	0.1	USD
233,47	DE000NG5 9953	500,000	0.7	1799.62 000000 00	3.5	5.0	3.0	20.0	0.0	1799.62 000000 00	0.01	0.1	USD
233,47 2	DE000NG5 9961	500,000	0.85	1798.12 000000 00	3.5	5.0	3.0	20.0	0.0	1798.12 000000 00	0.01	0.1	USD
233,47	DE000NG5 9979	1,000,000	0.15	4.92900 00000	3.5	5.0	10.0	20.0	0.0	4.92900 00000	0.001	1.0	USD
233,47 4	DE000NG5 9987	1,000,000	0.25	4.82900 00000	3.5	5.0	10.0	20.0	0.0	4.82900 00000	0.001	1.0	USD
233,47	DE000NG5 9995	200,000	2.35	1753.13 000000 00	3.5	5.0	5.0	20.0	0.0	1753.13 000000 00	0.01	0.1	USD
233,47 6	DE000NG6 AAA3	200,000	2.81	1748.13 000000 00	3.5	5.0	5.0	20.0	0.0	1748.13 000000 00	0.01	0.1	USD
233,47 7	DE000NG6 AAB1	200,000	3.28	1743.13 000000 00	3.5	5.0	5.0	20.0	0.0	1743.13 000000 00	0.01	0.1	USD
233,47 8	DE000NG6 AAC9	200,000	3.75	1738.13 000000 00	3.5	5.0	5.0	20.0	0.0	1738.13 000000 00	0.01	0.1	USD
233,47 9	DE000NG6 AAD7	200,000	4.22	1733.13 000000 00	3.5	5.0	5.0	20.0	0.0	1733.13 000000 00	0.01	0.1	USD
233,48	DE000NG6 AAE5	200,000	4.69	1728.13 000000 00	3.5	5.0	5.0	20.0	0.0	1728.13 000000 00	0.01	0.1	USD
233,48	DE000NG6 AAF2	200,000	5.16	1723.13 000000 00	3.5	5.0	5.0	20.0	0.0	1723.13 000000 00	0.01	0.1	USD
233,48	DE000NG6 AAG0	200,000	5.63	1718.13 000000 00	3.5	5.0	5.0	20.0	0.0	1718.13 000000 00	0.01	0.1	USD
233,48	DE000NG6 AAH8	200,000	6.1	1713.13 000000 00	3.5	5.0	5.0	20.0	0.0	1713.13 000000 00	0.01	0.1	USD
233,48 4	DE000NG6 AAJ4	Í	6.57	1708.13 000000 00		5.0	5.0	20.0	0.0	1708.13 000000 00	0.01	0.1	USD
233,48	DE000NG6 AAK2	200,000	7.04	1703.13 000000 00	3.5	5.0	5.0	20.0	0.0	1703.13 000000 00	0.01	0.1	USD
233,48	DE000NG6	200,000	7.51	1698.13	3.5	5.0	5.0	20.0	0.0	1698.13	0.01	0.1	USD

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233,48 7	DE000NG6 AAM8	200,000	7.98	1693.13 000000 00	3.5	5.0	5.0	20.0	0.0	1693.13 000000 00	0.01	0.1	USD
233,48 8	DE000NG6 AAN6	200,000	8.45	1688.13 000000 00	3.5	5.0	5.0	20.0	0.0	1688.13 000000 00	0.01	0.1	USD
233,48 9	DE000NG6 AAP1	200,000	8.91	1683.13 000000 00	3.5	5.0	5.0	20.0	0.0	1683.13 000000 00	0.01	0.1	USD
233,49 0	DE000NG6 AAQ9	200,000	9.38	1678.13 000000 00	3.5	5.0	5.0	20.0	0.0	1678.13 000000 00	0.01	0.1	USD
233,49	DE000NG6 AAR7	200,000	9.85	1673.13 000000 00	3.5	5.0	5.0	20.0	0.0	1673.13 000000 00	0.01	0.1	USD
233,49	DE000NG6 AAS5	200,000	10.32	1668.13 000000 00	3.5	5.0	5.0	20.0	0.0	1668.13 000000 00	0.01	0.1	USD
233,49	DE000NG6 AAT3	200,000	10.79	1663.13 000000 00	3.5	5.0	5.0	20.0	0.0	1663.13 000000 00	0.01	0.1	USD
233,49	DE000NG6 AAU1	200,000	11.26	1658.13 000000 00	3.5	5.0	5.0	20.0	0.0	1658.13 000000 00	0.01	0.1	USD
233,49	DE000NG6 AAV9	200,000	11.73	1653.13 000000 00	3.5	5.0	5.0	20.0	0.0	1653.13 000000 00	0.01	0.1	USD
233,49 6	DE000NG6 AAW7	200,000	25.75	1503.73 000000 00	3.5	5.0	5.0	20.0	0.0	1503.73 000000 00	0.01	0.1	USD
233,49 7	DE000NG6 AAX5	250,000	0.07	1023.52 000000 00	3.5	5.0	5.0	20.0	0.0	1023.52 000000 00	0.01	0.01	USD
233,49	DE000NG6 AAY3	250,000	0.17	1013.52 000000 00	3.5	5.0	5.0	20.0	0.0	1013.52 000000 00	0.01	0.01	USD
233,49	DE000NG6 AAZ0	250,000	0.26	1003.52 000000 00	3.5	5.0	5.0	20.0	0.0	1003.52 000000 00	0.01	0.01	USD
233,50	DE000NG6 AA07	250,000	0.36	993.520 000000 0	3.5	5.0	5.0	20.0	0.0	993.520 000000 0	0.01	0.01	USD
233,50	DE000NG6 AA15	500,000	0.13	24.0288 000000	3.5	5.0	4.0	20.0	0.0	24.0288 000000	0.000	1.0	USD
233,50	DE000NG6 AA23	500,000	0.23	23.9288 000000	3.5	5.0	4.0	20.0	0.0	23.9288 000000	0.000	1.0	USD
233,50	DE000NG6 AA31	500,000	0.32	23.8288 000000	3.5	5.0	4.0	20.0	0.0	23.8288 000000	0.000 1	1.0	USD
233,50 4	DE000NG6 AA49	500,000	0.41	23.7288 000000	3.5	5.0	4.0	20.0	0.0	23.7288 000000	0.000 1	1.0	USD
233,50 5	DE000NG6 AA56		0.41	79.0900 000000	3.5	5.0	7.5	20.0	0.0	79.0900 000000	0.01	1.0	USD
233,50 6	DE000NG6 AA64	·	0.65	78.8400 000000	3.5	5.0	7.5	20.0	0.0	78.8400 000000	0.01	1.0	USD
233,50 7	DE000NG6 AA72	·	0.88	78.5900 000000	3.5	5.0	7.5	20.0	0.0	78.5900 000000	0.01	1.0	USD
233,50 8	DE000NG6 AA80	250,000	1.12	78.3400 000000	3.5	5.0	7.5	20.0	0.0	78.3400	0.01	1.0	USD

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233,50	DE000NG6	250,000	1.35	78.0900	3.5	5.0	7.5	20.0	0.0	78.0900	0.01	1.0	USD
9	AA98			000000						000000			

# ADDITIONAL SPECIFIC PRODUCT RELATED PROVISIONS:

24	Index Certificate Provisions	Not Applicable
	1	
25	Share Certificate Provisions	Not Applicable
	<b>,</b>	
26	<b>Currency Certificate Provisions</b>	Not Applicable
27	<b>Commodity Certificate Provisions</b>	Applicable

Series Numb er of the Certifi cates	ISIN Code	(i) Commodi ty	(ii) Commo dity Referen ce Price	(iii) Price Source/ Reference Dealers	(iv) Speci fied Price	(v) Delivery Dates	(vi) Rollover Date	(vii) Exchang e	(viii) Valuation Time
233,45	DE000N G599R3	Brent Crude Oil	Oil-Brent -ICE	Initially Bloomberg code: COH3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract.</cmdty>	The price	(i) First nearby month of expiratio n or (ii) the month of expiratio n with the highest volumes, as determin ed by the Calculati on Agent.	A date, as determined by the Calculation Agent, in the period commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures Contract of the Commodity.	ICE Futures US Softs	The close of trading on the Exchange
233,45	DE000N G599S1	Brent Crude Oil	Oil-Brent -ICE	Initially Bloomberg code: COH3 <cmdty> and</cmdty>	The price	(i) First nearby month of	A date, as determined by the Calculation	ICE Futures US Softs	The close of trading on the Exchange

				after the first		expiratio	Agent, in the		
				Rollover Date		n or (ii)	period		
				the Bloomberg		the	commencing		
				page referring		month	on the		
				to the relevant		of	previous		
				Futures		expiratio	Rollover		
				Contract.		n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a			
						s	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
						Agent.	Business		
						rigent.	Days prior to		
							the last		
							trading date		
							of the		
							relevant		
							Futures		
							Contract of		
							the		
222.45	DECOON	D t	O'1 D	T. '4' . 11	Trl.	(') E'4	Commodity.	ICE	TPI 1
233,45	DE000N	Brent	Oil-Brent	•	The	(i) First	A date, as	ICE	The close
9	G599T9	Crude Oil	-ICE	Bloomberg	price	nearby	determined	Futures	of trading
				code: COH3		month	by the	US Softs	on the
				<cmdty> and</cmdty>		of	Calculation		Exchange
				after the first		expiratio	Agent, in the		
				Rollover Date		n or (ii)	period .		
				the Bloomberg		the	commencing		
				page referring		month	on the		
				to the relevant		of	previous		
				Futures		expiratio	Rollover		
				Contract.		n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a			
						S	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
						Agent.	Business		
							Days prior to		
							the last		
							trading date		
							of the		
							relevant		
							Futures		
							Contract of		
							the		
							Commodity.		
222.46	Ī					/IX 71		ICE	The close
	DEUUUNI	Brent	Oil_Rrant	Initially	l The	(1) Firet			
	DE000N	Brent	Oil-Brent	•	The	(i) First	A date, as		
0	DE000N G599U7	Brent Crude Oil	Oil-Brent -ICE	Bloomberg	The price	nearby	determined	Futures	of trading
		1							

	1	1	1		1				
				after the first		expiratio	Agent, in the		
				Rollover Date		n or (ii)	period		
				the Bloomberg		the	commencing		
				page referring		month	on the		
				to the relevant		of	previous		
				Futures		expiratio	Rollover		
				Contract.		n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a	Rollover		
						S	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
						Agent.	Business		
						Agent.	Days prior to		
							the last		
							trading date		
							of the		
							relevant		
							Futures		
							Contract of		
							the		
222.46	DEGGOVI	ъ .	0'1 D	T '.' 11	TD1	(') E'	Commodity.	ICE	TD1 1
1	DE000N	Brent	Oil-Brent	•	The	(i) First	A date, as	ICE	The close
1	G599V5	Crude Oil	-ICE	Bloomberg	price	nearby	determined	Futures	of trading
				code: COH3		month	by the	US Softs	on the
				<cmdty> and</cmdty>		of	Calculation		Exchange
				after the first		expiratio	Agent, in the		
				Rollover Date		n or (ii)	period		
				the Bloomberg		the	commencing		
				page referring		month	on the		
				to the relevant		of	previous		
				Futures		expiratio	Rollover		
				Contract.		n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a			
						S	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
						Agent.	Business		
							Days prior to		
							the last		
							trading date		
							of the		
							relevant		
							Futures		
							Contract of		
							the		
							Commodity.		
233,46	DE000N	Brent	Oil-Brent	Initially	The	(i) First	A date, as	ICE	The close
	PLUUUIN	المتطا	OII-DICIII						
12	C500W2	Cm142 O.1	ICE	Bloomherg	nrice	nearhy	determined	Hilfiirec	of trading 1
2	G599W3	Crude Oil	-ICE	Bloomberg	price	nearby month	determined	Futures	of trading
2	G599W3	Crude Oil	-ICE	Bloomberg code: COH3 <cmdty> and</cmdty>	price	nearby month of	by the Calculation	US Softs	of trading on the Exchange

				1 a · ·					
				after the first		expiratio	Agent, in the		
				Rollover Date		n or (ii)	period		
				the Bloomberg		the	commencing		
				page referring		month	on the		
				to the relevant		of	previous		
				Futures		expiratio	Rollover		
				Contract.		n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a	Rollover		
						s	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
						Agent.	Business		
						Agent.	Days prior to		
							the last		
							trading date		
							of the		
							relevant		
							Futures		
							Contract of		
							the		
222.46	DEGGONI	ъ .	0'1 D	T '.' 11	TD1	(') <b>F</b> ' (	Commodity.	ICE	TT1 1
1 '	DE000N	Brent	Oil-Brent	•	The	(i) First	A date, as	ICE	The close
3	G599X1	Crude Oil	-ICE	Bloomberg	price	nearby	determined	Futures	of trading
				code: COH3		month	by the	US Softs	on the
				<cmdty> and</cmdty>		of	Calculation		Exchange
				after the first		expiratio	Agent, in the		
				Rollover Date		n or (ii)	period		
				the Bloomberg		the	commencing		
				page referring		month	on the		
				to the relevant		of	previous		
				Futures		expiratio	Rollover		
				Contract.		n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a			
						S	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
						Agent.	Business		
							Days prior to		
							the last		
							trading date		
							of the		
							relevant		
							Futures		
							Contract of		
							the		
							Commodity.		
233,46	DE000N	Brent	Oil-Brent	Initially	The	(i) First	A date, as	ICE	The close
		וואוען	OII-DICIII	minally	1110	(1) 1 1131			
14	G5003/0	Cmida Oil	ICE	Bloomberg	nrice	nearhy	determined	Futures	of trading 1
4	G599Y9	Crude Oil	-ICE	Bloomberg	price	nearby	determined	Futures	of trading
4	G599Y9	Crude Oil	-ICE	Bloomberg code: COH3 <cmdty> and</cmdty>	price	nearby month of	determined by the Calculation	Futures US Softs	of trading on the Exchange

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				after the first		expiratio	Agent, in the		
				Rollover Date		n or (ii)	period		
				the Bloomberg		the	commencing		
				page referring		month	on the		
				to the relevant		of	previous		
				Futures		expiratio	Rollover		
				Contract.		n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a	Rollover		
						S	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
						Agent.	Business		
						Agent.	Days prior to		
							the last		
							trading date		
							of the		
							relevant		
							Futures		
							Contract of		
							the		
222.46	DEGGOVI	ъ .	0'1 D	T '.' 11	TD1	(') <b>F</b> ' (	Commodity.	ICE	TP1 1
1 '	DE000N	Brent	Oil-Brent	•	The	(i) First	A date, as	ICE	The close
5	G599Z6	Crude Oil	-ICE	Bloomberg	price	nearby	determined	Futures	of trading
				code: COH3		month	by the	US Softs	on the
				<cmdty> and</cmdty>		of	Calculation		Exchange
				after the first		expiratio	Agent, in the		
				Rollover Date		n or (ii)	period		
				the Bloomberg		the	commencing		
				page referring		month	on the		
				to the relevant		of	previous		
				Futures		expiratio	Rollover		
				Contract.		n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a			
						s	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
						Agent.	Business		
						-8	Days prior to		
							the last		
							trading date		
							of the		
							relevant		
							Futures		
							Contract of		
							the		
							Commodity.		
I				<u>-</u>			Commodity.		
222 16	DEUUUN	C-11	Cold Car	COLD SDOT	The	(i) Einst		ICE	The aless
	DE000N	Gold	Gold-Spo		The	(i) First	A date, as	ICE Futures	The close
233,46 6	DE000N G59904	Gold	Gold-Spo t	\$/OZ	The price	nearby	A date, as determined	Futures	of trading
		Gold	_				A date, as		

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				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period		
						the	commencing		
						month	on the		
						of	previous		
						expiratio	Rollover		
						n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a	Rollover		
						s	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
							Commodity		
						on	Business		
						Agent.			
							Days prior to		
							the last		
							trading date		
							of the		
							relevant		
							Futures		
							Contract of		
							the		
							Commodity.		
233,46	DE000N	Gold	Gold-Spo	GOLD SPOT	The	(i) First	A date, as	ICE	The close
7	G59912		t	\$/OZ	price	nearby	determined	Futures	of trading
	00,,12			(Bloomberg	1	month	by the	US Softs	on the
				code: XAU		of	Calculation	0000110	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Exemange
						n or (ii)	period		
						the	commencing		
						month	on the		
						of	previous		
							Rollover		
						expiratio			
						n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a			
						S	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
						Agent.	Business		
							Days prior to		
							the last		
							trading date		
							of the		
							relevant		
							Futures		
							Contract of		
							the		
1				1					
							Commodity		
222 46	DECOON	C-11	Cold Cas	COLD SDOT	The	(i) Einst	Commodity.	ICE	The alone
	DE000N	Gold	Gold-Spo		The	(i) First	A date, as	ICE Futures	The close
233,46	DE000N G59920	Gold	Gold-Spo t	\$/OZ	The price	nearby	A date, as determined	Futures	of trading
		Gold	_				A date, as		

	1				<del>-</del>				
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period		
						the	commencing		
						month	on the		
						of	previous		
						expiratio	Rollover		
						n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a	Rollover		
						s	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
						Agent.	Business		
							Days prior to		
							the last		
							trading date		
							of the		
							relevant		
							Futures		
							Contract of		
							the		
							Commodity.		
233 46	DE000N	Gold	Gold-Spo	GOLD SPOT	The	(i) First	A date, as	ICE	The close
9	G59938	Gold	t	\$/OZ	price	nearby	determined	Futures	of trading
	G39936		ι	(Bloomberg	price	month	by the	US Softs	on the
				code: XAU		of	Calculation	US Solis	Exchange
				LCOUC. AAU		1 () (	Caicuiation		Exchange I
1									
				<crncy>)</crncy>		expiratio	Agent, in the		
						expiratio n or (ii)	Agent, in the period		
						expiratio n or (ii) the	Agent, in the period commencing		5
						expiratio n or (ii) the month	Agent, in the period commencing on the		S
						expiratio n or (ii) the month of	Agent, in the period commencing on the previous		S
						expiratio n or (ii) the month of expiratio	Agent, in the period commencing on the previous Rollover		S
						expiratio n or (ii) the month of expiratio n with	Agent, in the period commencing on the previous Rollover Date (or in		
						expiratio n or (ii) the month of expiratio	Agent, in the period commencing on the previous Rollover Date (or in the case of		
						expiratio n or (ii) the month of expiratio n with	Agent, in the period commencing on the previous Rollover Date (or in the case of the first		
						expiratio n or (ii) the month of expiratio n with the	Agent, in the period commencing on the previous Rollover Date (or in the case of the first		
						expiratio n or (ii) the month of expiratio n with the highest	Agent, in the period commencing on the previous Rollover Date (or in the case of the first		
						expiration or (ii) the month of expiration with the highest volumes, a	Agent, in the period commencing on the previous Rollover Date (or in the case of the first Rollover Date the		
						expiratio n or (ii) the month of expiratio n with the highest volumes, a s determin	Agent, in the period commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date)		
						expiration or (ii) the month of expiration with the highest volumes, as determined by	Agent, in the period commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending		
						expiratio n or (ii) the month of expiratio n with the highest volumes, a s determin	Agent, in the period commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than		
						expiration nor (ii) the month of expiration with the highest volumes, as determined by the Calculati	Agent, in the period commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5		
						expiration or (ii) the month of expiration with the highest volumes, as determined by the Calculation	Agent, in the period commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5 Commodity		
						expiration nor (ii) the month of expiration with the highest volumes, as determined by the Calculati	Agent, in the period commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5 Commodity Business		
						expiration or (ii) the month of expiration with the highest volumes, as determined by the Calculation	Agent, in the period commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5 Commodity Business Days prior to		
						expiration or (ii) the month of expiration with the highest volumes, as determined by the Calculation	Agent, in the period commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5 Commodity Business Days prior to the last		
						expiration or (ii) the month of expiration with the highest volumes, as determined by the Calculation	Agent, in the period commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date		
						expiration or (ii) the month of expiration with the highest volumes, as determined by the Calculation	Agent, in the period commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date of the		
						expiration or (ii) the month of expiration with the highest volumes, as determined by the Calculation	Agent, in the period commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date of the relevant		
						expiration or (ii) the month of expiration with the highest volumes, as determined by the Calculation	Agent, in the period commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures		
						expiration or (ii) the month of expiration with the highest volumes, as determined by the Calculation	Agent, in the period commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures Contract of		
						expiration or (ii) the month of expiration with the highest volumes, as determined by the Calculation	Agent, in the period commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures		
						expiration or (ii) the month of expiration with the highest volumes, as determined by the Calculation	Agent, in the period commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures Contract of		
233,47	DE000N	Gold	Gold-Spo	<crncy>)</crncy>	The	expiration or (ii) the month of expiration with the highest volumes, as determined by the Calculation	Agent, in the period commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures Contract of the	ICE	The close
233,47		Gold	Gold-Spo t	<crncy>)</crncy>		expiration or (ii) the month of expiration with the highest volumes, as determined by the Calculation Agent.	Agent, in the period commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures Contract of the Commodity.	ICE Futures	The close
	DE000N G59946	Gold	_	<crncy>)  GOLD SPOT \$/OZ</crncy>	The price	expiration or (ii) the month of expiration with the highest volumes, as determined by the Calculation Agent.	Agent, in the period commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures Contract of the Commodity. A date, as determined	Futures	The close of trading
		Gold	_	<crncy>)  GOLD SPOT</crncy>		expiration or (ii) the month of expiration with the highest volumes, as determined by the Calculation Agent.	Agent, in the period commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures Contract of the Commodity. A date, as		The close

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				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period		
						the	commencing		
						month	on the		
						of	previous		
						expiratio	Rollover		
						n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a	Rollover		
						s	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
							Business		
						Agent.			
							Days prior to the last		
							trading date		
							of the		
							relevant		
							Futures		
							Contract of		
							the		
							Commodity.		
233,47	DE000N	Gold	Gold-Spo	GOLD SPOT	The	(i) First	A date, as	ICE	The close
1	G59953		t	\$/OZ	price	nearby	determined	Futures	of trading
				(Bloomberg		month	by the	US Softs	on the
				code: XAU		of	Calculation		Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						_			
						n or (ii)	period		
						n or (ii) the	period commencing		
						the	commencing		
						the month	commencing on the		
						the month of	commencing on the previous		
						the month of expiratio	commencing on the previous Rollover		
						the month of expiration with	commencing on the previous Rollover Date (or in		
						the month of expiratio n with the	commencing on the previous Rollover Date (or in the case of		
						the month of expiration with the highest	commencing on the previous Rollover Date (or in the case of the first		
						the month of expiration with the highest volumes, a	commencing on the previous Rollover Date (or in the case of the first Rollover		
						the month of expiration with the highest volumes, as	commencing on the previous Rollover Date (or in the case of the first Rollover Date the		
						the month of expiration with the highest volumes, as determin	commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date)		
						the month of expiration n with the highest volumes, as determined by	commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending		
						the month of expiration n with the highest volumes, as determined by the	commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than		
						the month of expiration n with the highest volumes, as determined by the Calculati	commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5		
						the month of expiration with the highest volumes, as determined by the Calculation	commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5 Commodity		
						the month of expiration n with the highest volumes, as determined by the Calculati	commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5 Commodity Business		
						the month of expiration with the highest volumes, as determined by the Calculation	commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5 Commodity Business Days prior to		
						the month of expiration with the highest volumes, as determined by the Calculation	commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5 Commodity Business Days prior to the last		
						the month of expiration with the highest volumes, as determined by the Calculation	commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date		
						the month of expiration with the highest volumes, as determined by the Calculation	commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date of the		
						the month of expiration with the highest volumes, as determined by the Calculation	commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date of the relevant		
						the month of expiration with the highest volumes, as determined by the Calculation	commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures		
						the month of expiration with the highest volumes, as determined by the Calculation	commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures Contract of		
						the month of expiration with the highest volumes, as determined by the Calculation	commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures		
						the month of expiration with the highest volumes, as determined by the Calculation	commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures Contract of the		
233,47	DE000N	Gold	Gold-Spo	GOLD SPOT	The	the month of expiration with the highest volumes, as determined by the Calculation	commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures Contract of	ICE	The close
233,47		Gold	Gold-Spo t	GOLD SPOT \$/OZ		the month of expiration n with the highest volumes, as determined by the Calculation Agent.	commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures Contract of the Commodity.	ICE Futures	
	DE000N G59961	Gold	Gold-Spo t	\$/OZ	The price	the month of expiration n with the highest volumes, as determined by the Calculation Agent.  (i) First nearby	commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures Contract of the Commodity. A date, as determined	Futures	of trading
		Gold	_			the month of expiration n with the highest volumes, as determined by the Calculation Agent.	commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures Contract of the Commodity. A date, as		

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						n or (ii)	period		
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						n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a			
						S	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
						Agent.	Business		
							Days prior to		
							the last		
							trading date of the		
							relevant		
							Futures		
							Contract of		
							the		
							Commodity.		
233,47	DE000N	Natural	Natural	Initially	The	(i) First	A date, as	ICE	The close
3	G59979	Gas	Gas-NY	Bloomberg	price	nearby	determined	Futures	of trading
	039919	Gas	MEX	code: NGG23	price	month	by the	US Softs	on the
			IVILZX	<cmdty> and</cmdty>		of	Calculation	CD DOILS	Exchange
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				Rollover Date		n or (ii)	period		
				the Bloomberg		the	commencing		
				page referring		month	on the		
				to the relevant		of	previous		
				Futures		expiratio	Rollover		
				Contract.		n with	Date (or in		
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						highest	the first		
						volumes, a			
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						determin	Issue Date)		
1						determin ed by	Issue Date) and ending		
						determin ed by the	Issue Date) and ending not less than		
						determin ed by the Calculati	Issue Date) and ending not less than 5		
						determin ed by the Calculati on	Issue Date) and ending not less than 5 Commodity		
						determin ed by the Calculati	Issue Date) and ending not less than 5 Commodity Business		
						determin ed by the Calculati on	Issue Date) and ending not less than 5 Commodity Business Days prior to		
						determin ed by the Calculati on	Issue Date) and ending not less than 5 Commodity Business Days prior to the last		
						determin ed by the Calculati on	Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date		
						determin ed by the Calculati on	Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date of the		
						determin ed by the Calculati on	Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date of the relevant		
						determin ed by the Calculati on	Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures		
						determin ed by the Calculati on	Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures Contract of		
						determin ed by the Calculati on	Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures Contract of the		
233.47	DE000N	Natural	Natural	Initially	The	determin ed by the Calculati on Agent.	Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures Contract of the Commodity.	ICE	The close
	DE000N G59987	Natural Gas	Natural Gas-NY	Initially Bloomberg	The price	determin ed by the Calculati on Agent.	Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures Contract of the Commodity. A date, as	ICE Futures	The close of trading
233,47	DE000N G59987	Natural Gas	Gas-NY	Bloomberg	The price	determin ed by the Calculati on Agent.  (i) First nearby	Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures Contract of the Commodity. A date, as determined	Futures	of trading
		l				determin ed by the Calculati on Agent.	Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures Contract of the Commodity. A date, as		

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				after the first		expiratio	Agent, in the		
				Rollover Date		n or (ii)	period		
				the Bloomberg		the	commencing		
				page referring		month	on the		
				to the relevant		of	previous		
				Futures		expiratio	Rollover		
				Contract.		n with	Date (or in		
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						highest	the first		
						volumes, a			
						S	Date the		
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						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
						Agent.	Business		
							Days prior to		
							the last		
							trading date		
							of the		
							relevant		
							Futures		
							Contract of		
							the		
							Commodity.		
233,47	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
5	G59995	T GIIGGIGIII	m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	037773		ш эрог	(Bloomberg	r	month	by the	US Softs	on the
				code: XPD		of	Calculation	0000110	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period		
						the	commencing		
						month	on the		
						of	previous		
						expiratio	Rollover		
						n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a			
						s	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
						Agent.	Business		
						Agent.	Days prior to		
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							trading date		
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							relevant		
							Futures		
							Contract of		
							the		
							Commodity.		
233,47	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
6		ranadium		SPOT \$/OZ	price	nearby	determined	Futures	of trading
IU	CCAAAA								
	G6AAA3		m-Spot		price				
	G6AAA3		m-Spot	(Bloomberg code: XPD	price	month of	by the Calculation	US Softs	on the Exchange

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				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period .		
						the	commencing		
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						n with	Date (or in		
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						highest	the first		
						volumes, a			
						S	Date the		
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						Calculati	5		
						on	Commodity		
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							Days prior to		
							the last		
							trading date of the		
							relevant		
							Futures		
							Contract of		
							the		
						<u>-</u> .	Commodity.		
233,47	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
7	G6AAB1		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
				(Bloomberg		month	by the	US Softs	on the
				code: XPD		of	Calculation		Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period .		
						the	commencing		
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						expiratio	Rollover		
						n with	Date (or in		
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						volumes, a			
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222 47	DE000N	D.11. 1	Palladiu	PALLADIUM	The	(i) Einst	Commodity.	ICE	The close
233,47		Palladium		SPOT \$/OZ	price	(i) First nearby	A date, as determined	Futures	of trading
10							ocici nunea	e contines	
	G6AAC9		m-Spot		price				
	G6AAC9		m-Spot	(Bloomberg code: XPD	price	month of	by the Calculation	US Softs	on the Exchange

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				<crncy>)</crncy>		expiratio	Agent, in the		
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						n with	Date (or in		
						the	the case of		
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						volumes, a	Rollover		
						s	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
						Agent.	Business		
						Agent.	Days prior to		
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222 47	DEGGONI		D 11 11	DALL ADMINA	TD1	(') E' +	Commodity.	ICE	TP1 1
233,47	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
9	G6AAD7		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
				(Bloomberg		month	by the	US Softs	on the
				code: XPD		of	Calculation		Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period		
						the	commencing		
						month	on the		
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						expiratio	Rollover		
						n with	Date (or in		
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						highest	the first		
						volumes, a			
						S	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
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							Contract of		
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233,48	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
0	G6AAE5	r anaululli	m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
ľ	OUAAEJ	I	m-spot	DI OI D/OL	Price	incar o y			
		1	_	(Bloomborn		month	by the	TIC C-A	on the
				(Bloomberg code: XPD		month of	by the Calculation	US Softs	on the Exchange

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				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period		
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						n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a			
						S	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
						Agent.	Business		
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							trading date		
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							relevant		
							Futures		
							Contract of		
							the		
							Commodity.		
233,48	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
1	G6AAF2		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
			1	(Bloomberg	1	month	by the	US Softs	on the
				code: XPD		of	Calculation		Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period		
						the	commencing		
						month	on the		
						of	previous		
						expiratio	Rollover		
						n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a	Rollover		
						S	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
						Agent.	Business		
						1150111.	Days prior to		
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							trading date		
							of the		
							relevant		
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							Contract of		
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							Commodity.		
233,48	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
233,48	G6AAG0	ranadium		SPOT \$/OZ	price	nearby	determined	Futures	of trading
4	LUDAAGU		m-Spot	DIOI D/OZ	price	ncardy	acterminea	1 utules	or naming
			1		-		by the	TICCO	on the
			1	(Bloomberg code: XPD		month of	by the Calculation	US Softs	on the Exchange

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				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period .		
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						of	previous		
						expiratio	Rollover		
						n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a			
						S	Date the		
						determin	Issue Date)		
						ed by the	and ending		
						une Calculati	not less than 5		
							Commodity		
						on	Business		
						Agent.			
							Days prior to the last		
							trading date		
				1			of the		
							relevant		
							Futures		
							Contract of		
							the		
							Commodity.		
233,48	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
3	G6AAH8	1 allaululli	m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	GOAAIIO		ш-эрог	(Bloomberg	price	month	by the	US Softs	on the
				code: XPD		of	Calculation	CD DOILS	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Exchange
				,		n or (ii)	period		
						the	commencing		
						month	on the		
						of	previous		
						expiratio	Rollover		
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						highest	the first		
						volumes, a	Rollover		
						S	Date the		
						determin	Issue Date)		
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						Calculati	5		
						on	Commodity		
				1		Agent.	Business		
				1			Days prior to		
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222.40	DEGGGT	D 11 "	D. 11 - 11	DALLADUM	TI	(') E'	Commodity.	ICE	771 . 1
	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE Entres	The close
4	G6AAJ4		m-Spot	SPOT \$/OZ (Bloomberg	price	nearby month	determined by the	Futures	of trading on the
I	Ī	I		LUDIOOMperg	•	LHODID	rov me	US Softs	ionine I
				code: XPD		of	Calculation	CSSCIIS	Exchange

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						n or (ii)	period .		
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						expiratio	Rollover		
						n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a			
						S	Date the		
						determin	Issue Date)		
						ed by the	and ending not less than		
						Calculati	5		
							Commodity		
						on	Business		
						Agent.	Days prior to		
							the last		
							trading date		
				1			of the		
							relevant		
							Futures		
							Contract of		
							the		
							Commodity.		
233,48	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
5	G6AAK2	1 allaululli	m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	GOAAIX2		ш-эрог	(Bloomberg	price	month	by the	US Softs	on the
				code: XPD		of	Calculation	CD DOILS	Exchange
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						n with	Date (or in		
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						highest	the first		
						volumes, a	Rollover		
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						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
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				1			Contract of the		
				1					
233,48	DE000N	D-11 1	Palladiu	PALLADIUM	The	(i) First	Commodity.	ICE	The close
6	G6AAL0	Palladium	m-Spot	SPOT \$/OZ	price	nearby	A date, as determined	Futures	of trading
ľ	LUDAALU		TOTAL STORT	1013/10/37/	LULICE	riicardy	acterminea	1 utules	or nauning [
	Gornie		ш врог		F		by the	IIC Cat-	
	GOLLIEO		ш эрог	(Bloomberg code: XPD	F	month of	by the Calculation	US Softs	on the Exchange

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				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period .		
						the	commencing		
						month	on the		
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						expiratio	Rollover		
						n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a			
						S	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
						Agent.	Business		
							Days prior to		
							the last		
							trading date		
							of the		
							relevant		
							Futures		
							Contract of		
							the		
							Commodity.		
233,48	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
7	G6AAM8	1 anadium	m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
'	GOAANIO		ш-ърог	(Bloomberg	price	month	by the	US Softs	on the
				code: XPD		of	Calculation	US SOIIS	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Exchange
				\Cincy>)		n or (ii)	period		
						the	commencing		
						month	on the		
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						n with the	Date (or in the case of		
							the first		
						highest			
						volumes, a			
						S	Date the		
						determin	Issue Date)		
						1 1 1			
						ed by	and ending		
1						the	not less than		
						the Calculati	not less than 5		
						the Calculati on	not less than 5 Commodity		
						the Calculati	not less than 5 Commodity Business		
						the Calculati on	not less than 5 Commodity Business Days prior to		
						the Calculati on	not less than 5 Commodity Business Days prior to the last		
						the Calculati on	not less than 5 Commodity Business Days prior to the last trading date		
						the Calculati on	not less than 5 Commodity Business Days prior to the last trading date of the		
						the Calculati on	not less than 5 Commodity Business Days prior to the last trading date of the relevant		
						the Calculati on	not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures		
						the Calculati on	not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures Contract of		
						the Calculati on	not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures		
						the Calculati on	not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures Contract of the		
233,48	DE000N	Palladium	Palladiu	PALLADIUM	The	the Calculati on	not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures Contract of	ICE	The close
233,48		Palladium		PALLADIUM SPOT \$/OZ		the Calculati on Agent.	not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures Contract of the Commodity.	ICE Futures	
	DE000N G6AAN6	Palladium	Palladiu m-Spot	SPOT \$/OZ	The price	the Calculati on Agent.  (i) First nearby	not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures Contract of the Commodity. A date, as determined	Futures	of trading
		Palladium				the Calculati on Agent.	not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures Contract of the Commodity. A date, as		

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				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period .		
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						month of			
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						expiratio	Rollover		
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						highest	the first		
						volumes, a			
						S	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
						Agent.	Business		
							Days prior to		
							the last		
				1			trading date		
				1			of the		
							relevant		
							Futures		
							Contract of		
							the		
							Commodity.		
	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
9	G6AAP1		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
				(Bloomberg		month	by the	US Softs	on the
				code: XPD		of	Calculation		Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period .		
						the	commencing		
						month	on the		
						of	previous		
						expiratio	Rollover		
						n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a			
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1 1									
							Contract of		
							Contract of the		
						(1)	Contract of the Commodity.		
	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	Contract of the Commodity. A date, as	ICE	The close
233,49	DE000N G6AAQ9	Palladium	Palladiu m-Spot	SPOT \$/OZ	The price	nearby	Contract of the Commodity.  A date, as determined	Futures	of trading
		Palladium					Contract of the Commodity. A date, as		

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				1			relevant		
				1			Futures		
				1			Contract of		
							the		
							Commodity.		
233,49	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
1	G6AAR7	Panadium		SPOT \$/OZ	price	nearby	determined	Futures	of trading
1	G0AAK/		m-Spot		price	month	by the		on the
				(Bloomberg code: XPD		of	Calculation	US Softs	
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						n or (ii)	period .		
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						of	previous		
						expiratio	Rollover		
						n with	Date (or in		
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						highest	the first		
						volumes, a			
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222.40	DEGGG	D 11 "	D.11 11	DALLADURA	Tri	(') E' ·	Commodity.	ICE	TP1 . 1
	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	Commodity. A date, as	ICE	The close
233,49	DE000N G6AAS5	Palladium	Palladiu m-Spot	SPOT \$/OZ	The price	nearby	Commodity. A date, as determined	Futures	of trading
		Palladium					Commodity. A date, as		

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				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period		
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						volumes, a			
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						Agent.	Business		
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							Commodity.		
233,49	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
3	G6AAT3	1 anaurum	m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
]	GUAATS		III-Spot	(Bloomberg	price	month	by the	US Softs	on the
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233,49	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
4	G6AAU1		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
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233,49		Palladium				(i) First	A date, as	Futures	
3	G6AAV9		m-Spot	SPOT \$/OZ	price	nearby	determined		of trading
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222 40	DEUUUNI	D-11 1	Dolladin	DVIIVDIIIV	The	(i) Einst		ICE	The aless
	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE Futures	The close
233,49	DE000N G6AAW7	Palladium	Palladiu m-Spot	SPOT \$/OZ	The price	nearby	A date, as determined	Futures	of trading
		Palladium					A date, as		

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							of the		
							relevant		
							Futures		
							Contract of		
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							Commodity.		
233,49	DE000N	Platinum	Platinum-	PLATINUM	The	(i) First	A date, as	ICE	The close
7	G6AAX5		Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
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				code: XPT		of	Calculation		Exchange
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						highest	the first		
						volumes, a			
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							Futures		
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233,49	DE000N	Platinum	Platinum-	PLATINUM	The	(i) First	A date, as	ICE	The close
233,49		Platinum		PLATINUM SPOT \$/OZ		(i) First nearby	A date, as determined	ICE Futures	
	DE000N G6AAY3	Platinum	Platinum- Spot	SPOT \$/OZ	The price	(i) First nearby month		Futures	The close of trading on the
		Platinum				nearby	determined		of trading

	1	1	1	(Crmax)		avniratia	Agant in the		1
				<crncy>)</crncy>		expiratio n or (ii)	Agent, in the period		
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						month	on the		
						of	previous		
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						n with	Date (or in		
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						highest	the first		
						volumes, a			
						s	Date the		
						determin	Issue Date)		
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						Calculati	5		
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							of the		
							relevant		
							Futures		
							Contract of		
							the		
							Commodity.		
233,49	DE000N	Platinum		PLATINUM	The	(i) First	A date, as	ICE	The close
9	G6AAZ0		Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
				(Bloomberg		month	by the	US Softs	on the
				code: XPT		of	Calculation		Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii) the	period commencing		
						month	on the		
						of	previous		
						expiratio	Rollover		
						n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a			
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						determin	Issue Date)		
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						Calculati	5		
						on	Commodity		
						Agent.	Business		
							Days prior to		
							the last		
							trading date		
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							relevant Futures		
							Contract of		
							the		
233,50	DE000N	Platinum	Platinum-	PLATINUM	The	(i) First	Commodity. A date, as	ICE	The close
0	G6AA07	riaunum	Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
ľ	JUMAU/	I	spot	JI OI WOL	Price				
		1		(Bloomherg		month	by the	IIC Coffe	on the
				(Bloomberg code: XPT		month of	by the Calculation	US Softs	on the Exchange

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				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period .		
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						of	previous		
						expiratio	Rollover		
						n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a			
						S	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
						Agent.	Business		
							Days prior to		
							the last		
							trading date		
							of the		
							relevant		
							Futures		
							Contract of		
							the		
							Commodity.		
	DE000N	Silver	Silver-Sp		The	(i) First	A date, as	ICE	The close
1	G6AA15		ot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
				(Bloomberg		month	by the	US Softs	on the
				code: XAG		of	Calculation		Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period .		
						the	commencing		
						month	on the		
						of	previous		
						expiratio	Rollover		
						n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a			
						S	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
						Agent.	Business		
							Days prior to		
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							trading date		
							of the		
							relevant		
							Futures		
							Contract of		
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	I	I					Commodity.		
000	DECCOST		a:1 ~	CILIER	T-1	("\ T"			
	DE000N	Silver	Silver-Sp	SILVER	The	(i) First	A date, as	ICE	The close
233,50	DE000N G6AA23	Silver	Silver-Sp ot	SPOT \$/OZ	The price	nearby	determined	Futures	of trading
		Silver	_						

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				<crncy>)</crncy>		expiratio	Agent, in the		
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						month	on the		
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						expiratio	Rollover		
						n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a			
						S	Date the		
						determin	Issue Date)		
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						Calculati	5		
						on	Commodity		
						Agent.	Business		
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							trading date		
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							relevant		
							Futures		
							Contract of		
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							Commodity.		
233,50	DE000N	Silver	Silver-Sp	SILVER	The	(i) First	A date, as	ICE	The close
3	G6AA31		ot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
				(Bloomberg		month	by the	US Softs	on the
				code: XAG		of	Calculation		Exchange
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						month	on the		
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						the	the case of		
						highest	the first		
						volumes, a	Rollover		
						s	Date the		
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233,50	DE000N	Silver	Silver-Sp	SILVER	The	(i) First	Commodity.	ICE	The close
	DE000N G6AA49	Silver	Silver-Sp	SILVER SPOT \$/OZ		(i) First nearby	Commodity. A date, as		
233,50	DE000N G6AA49	Silver	Silver-Sp ot	SPOT \$/OZ	The price	nearby	Commodity. A date, as determined	Futures	of trading
		Silver	_				Commodity. A date, as		

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				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period		
						the	commencing on the		
						month of	previous		
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						n with	Date (or in the case of		
						the	the first		
						highest			
						volumes, a	Date the		
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						ed by	Issue Date)		
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						on	Commodity		
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						Agent.	Days prior to		
							the last		
							trading date		
							of the		
							relevant		
							Futures		
							Contract of		
							the		
							Commodity.		
233,50	DE000N	WTI	OIL-WTI	Initially	The	(i) First	A date, as	ICE	The close
5	G6AA56	Crude Oil	-NYME	Bloomberg	price	nearby	determined	Futures	of trading
	0011110		X	code: CLG3	1	month	by the	US Softs	on the
				<cmdty> and</cmdty>		of	Calculation		Exchange
				after the first		expiratio	Agent, in the		8
				Rollover Date		n or (ii)	period		
				the Bloomberg		the	commencing		
				page referring		month	on the		
				to the relevant		of	previous		
				Futures		expiratio	Rollover		
				Contract.		n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a			
						S	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
						Agent.	Business		
							Days prior to		
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							of the relevant		
							Futures		
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	1	Ī					Commodity.		
1233 50	DEUUUN	WTI	OII -WTI	Initially	The	(i) First	A date as	ICF	The close 1
1 '	DE000N	WTI Crude Oil	OIL-WTI -NYME	•	The	(i) First	A date, as	ICE Futures	The close
233,50	DE000N G6AA64	WTI Crude Oil	-NYME	Bloomberg	The price	nearby	determined	Futures	of trading
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				after the first		expiratio	Agent, in the		
				Rollover Date		n or (ii)	period		
				the Bloomberg		the	commencing		
				page referring		month	on the		
				to the relevant		of	previous		
				Futures		expiratio	Rollover		
				Contract.		n with	Date (or in		
						the	the case of		
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						volumes, a			
						S	Date the		
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						ed by	and ending		
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							Futures		
							Contract of		
							the		
							Commodity.		
233,50	DE000N	WTI	OIL-WTI	Initially	The	(i) First	A date, as	ICE	The close
7	G6AA72	Crude Oil	-NYME	Bloomberg	price	nearby	determined	Futures	of trading
'	G0AA72	Crude On	X	code: CLG3	price	month	by the	US Softs	on the
			Λ	<cmdty> and</cmdty>		of	Calculation	US SOIIS	Exchange
				after the first		expiratio	Agent, in the		Exchange
				Rollover Date		n or (ii)	period		
				the Bloomberg		the	commencing		
				page referring		month	on the		
				to the relevant		of	previous		
				Futures		expiratio	Rollover		
				Contract.		n with	Date (or in		
				Contract.		the	the case of		
						highest	the first		
						volumes, a			
							Date the		
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							and ending not less than		
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							Business Days prior to the last trading date of the relevant		
							Business Days prior to the last trading date of the relevant Futures		
							Business Days prior to the last trading date of the relevant Futures Contract of		
							Business Days prior to the last trading date of the relevant Futures Contract of the		
						Agent.	Business Days prior to the last trading date of the relevant Futures Contract of the Commodity.		
	DE000N	WTI	OIL-WTI	•	The	Agent.  (i) First	Business Days prior to the last trading date of the relevant Futures Contract of the Commodity. A date, as	ICE	The close
233,50 8	DE000N G6AA80	WTI Crude Oil	OIL-WTI -NYME	Bloomberg	The price	Agent.	Business Days prior to the last trading date of the relevant Futures Contract of the Commodity.	ICE Futures	of trading
				•		Agent.  (i) First	Business Days prior to the last trading date of the relevant Futures Contract of the Commodity. A date, as		
			-NYME	Bloomberg		(i) First nearby	Business Days prior to the last trading date of the relevant Futures Contract of the Commodity. A date, as determined	Futures	of trading

				after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract.		expiration or (ii) the month of expiration with the highest volumes, as determined by the Calculation Agent.	Date the Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures Contract of the Commodity.		
233,50	DE000N G6AA98	WTI Crude Oil	OIL-WTI -NYME X	Initially Bloomberg code: CLG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract.</cmdty>	The price	(i) First nearby month of expiratio n or (ii) the month of expiratio n with the highest volumes, as determin ed by the Calculati on Agent.	A date, as determined by the Calculation Agent, in the period commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures Contract of the Commodity.	ICE Futures US Softs	The close of trading on the Exchange

28	Fund Certificate Provisions	Not Applicable
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29	Government Bond Certificate Provisions Not Applicable				
30	Other Bond Certificate Provisions	Not Applicable			
	1				
31	Index Futures Certificate Provisions	Not Applicable			
Signed on behalf of the Issuer:  By:					
Duly	Duly authorised				
Ву:	By:				
Duly	Duly authorised				

#### PART B - OTHER INFORMATION

#### 1 LISTING

(i)	Listing:	The Freiverkehr section of the Frankfurt Stock Exchange
(ii)	Admission to trading:	Application is expected to be made by the Issuer (or on its behalf) for the Certificates to be admitted to trading on The Freiverkehr section of the Frankfurt Stock Exchange
(iii)	Estimate of total expenses related to admission to trading:	EUR 500

#### 2 RATINGS

Ratings: The Certificates to be issued will not be rated
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## 3 INTERESTS OF NATURAL AND LEGAL PERSONS INVOLVED IN THE ISSUE

Save for any fees payable to the Dealers, so far as the Issuer is aware, no person involved in the offer of the Certificates has an interest material to the offer. The Dealers and their affiliates have engaged, and may in the future engage, in investment banking and/or commercial banking transactions with, and may perform other services for, the Issuer and its affiliates in the ordinary course of business.

## 4 REASONS FOR THE OFFER, ESTIMATED NET PROCEEDS AND TOTAL EXPENSES

(i) Reasons for the offer	See "Use of Proceeds" wording in Base Prospectus
(ii) Estimated total expenses	The terms of the Public Offer do not provide for any
	expenses and/or taxes to be charged to any purchaser
	of the Certificates

#### 5 INFORMATION CONCERNING THE UNDERLYING

Underlying	Information on the underlying can be obtained from the below specified source.
WTI Crude Oil	The return on the Certificates is linked to the performance of the underlying Commodity. The price of the Commodity may go down as well as up throughout the life of the Certificates. Fluctuations in the price of the Commodity will affect the value of the Certificates. Information and details of the past and future performance of the Commodity and its volatility can be obtained from Bloomberg (Bloomberg code: CL1 <cmdty>)</cmdty>
Gold	The return on the Certificates is linked to the performance of the underlying Commodity. The price of the Commodity may go down as well as up throughout the life of the Certificates. Fluctuations in the price of the Commodity will affect the value of the Certificates. Information and details of the past and future performance of the

	Commodity and its volatility can be obtained from Bloomberg (Bloomberg code: XAU <crncy>)</crncy>
Brent Crude Oil	The return on the Certificates is linked to the performance of the underlying Commodity. The price of the Commodity may go down as well as up throughout the life of the Certificates. Fluctuations in the price of the Commodity will affect the value of the Certificates. Information and details of the past and future performance of the Commodity and its volatility can be obtained from Bloomberg (Bloomberg code: CO1 <cmdty>)</cmdty>
Silver	The return on the Certificates is linked to the performance of the underlying Commodity. The price of the Commodity may go down as well as up throughout the life of the Certificates. Fluctuations in the price of the Commodity will affect the value of the Certificates. Information and details of the past and future performance of the Commodity and its volatility can be obtained from Bloomberg (Bloomberg code: XAG <crncy>)</crncy>
Palladium	The return on the Certificates is linked to the performance of the underlying Commodity. The price of the Commodity may go down as well as up throughout the life of the Certificates. Fluctuations in the price of the Commodity will affect the value of the Certificates. Information and details of the past and future performance of the Commodity and its volatility can be obtained from Bloomberg (Bloomberg code: XPD <crncy>)</crncy>
Natural Gas	The return on the Certificates is linked to the performance of the underlying Commodity. The price of the Commodity may go down as well as up throughout the life of the Certificates. Fluctuations in the price of the Commodity will affect the value of the Certificates. Information and details of the past and future performance of the Commodity and its volatility can be obtained from Bloomberg (Bloomberg code: NG1 <cmdty>)</cmdty>
Platinum	The return on the Certificates is linked to the performance of the underlying Commodity. The price of the Commodity may go down as well as up throughout the life of the Certificates. Fluctuations in the price of the Commodity will affect the value of the Certificates. Information and details of the past and future performance of the Commodity and its volatility can be obtained from Bloomberg (Bloomberg code: XPT <crncy>)</crncy>

## 6 POST-ISSUANCE INFORMATION

Post-issuance information will be made available on the website of the Issuer www.ingmarkets.de, www.ingsprinters.nl, www.ingturbo.fr or any succesor website. There is no assurance that the Issuer will continue to provide such information for the life of the Certificates.

## 7 OPERATIONAL INFORMATION

(i)ISIN Code	(ii) Common Code	(iii) Other relevant code
DE000NG599R3	Not Applicable	NG599R
DE000NG599S1	Not Applicable	NG599S
DE000NG599T9	Not Applicable	NG599T
DE000NG599U7	Not Applicable	NG599U
DE000NG599V5	Not Applicable	NG599V
DE000NG599W3	Not Applicable	NG599W
DE000NG599X1	Not Applicable	NG599X
DE000NG599Y9	Not Applicable	NG599Y
DE000NG599Z6	Not Applicable	NG599Z
DE000NG59904	Not Applicable	NG5990
DE000NG59912	Not Applicable	NG5991
DE000NG59920	Not Applicable	NG5992
DE000NG59938	Not Applicable	NG5993
DE000NG59946	Not Applicable	NG5994
DE000NG59953	Not Applicable	NG5995
DE000NG59961	Not Applicable	NG5996
DE000NG59979	Not Applicable	NG5997
DE000NG59987	Not Applicable	NG5998
DE000NG59995	Not Applicable	NG5999
DE000NG6AAA3	Not Applicable	NG6AAA
DE000NG6AAB1	Not Applicable	NG6AAB
DE000NG6AAC9	Not Applicable	NG6AAC
DE000NG6AAD7	Not Applicable	NG6AAD
DE000NG6AAE5	Not Applicable	NG6AAE
DE000NG6AAF2	Not Applicable	NG6AAF
DE000NG6AAG0	Not Applicable	NG6AAG
DE000NG6AAH8	Not Applicable	NG6AAH
DE000NG6AAJ4	Not Applicable	NG6AAJ
DE000NG6AAK2	Not Applicable	NG6AAK
DE000NG6AAL0	Not Applicable	NG6AAL
DE000NG6AAM8	Not Applicable	NG6AAM
DE000NG6AAN6	Not Applicable	NG6AAN
DE000NG6AAP1	Not Applicable	NG6AAP
DE000NG6AAQ9	Not Applicable	NG6AAQ
DE000NG6AAR7	Not Applicable	NG6AAR
DE000NG6AAS5	Not Applicable	NG6AAS
DE000NG6AAT3	Not Applicable	NG6AAT
DE000NG6AAU1	Not Applicable	NG6AAU
DE000NG6AAV9	Not Applicable	NG6AAV
DE000NG6AAW7	Not Applicable	NG6AAW
DE000NG6AAX5	Not Applicable	NG6AAX
DE000NG6AAY3	Not Applicable	NG6AAY
DE000NG6AAZ0	Not Applicable	NG6AAZ
DE000NG6AA07	Not Applicable	NG6AA0
DE000NG6AA15	Not Applicable	NG6AA1
DE000NG6AA23	Not Applicable	NG6AA2
DE000NG6AA31	Not Applicable	NG6AA3
DE000NG6AA49	Not Applicable  Not Applicable	NG6AA4
DE000NG6AA56	Not Applicable  Not Applicable	NG6AA5
LDEUUUNUMAA AA	11100 1100110010	INOVAAJ
DE000NG6AA56 DE000NG6AA64	Not Applicable	NG6AA6

DE000NG6AA80	Not Applicable	NG6AA8
DE000NG6AA98	Not Applicable	NG6AA9

(iv)	Name of the Principal Certificate Agent	ING Bank N.V.

## 8 DISTRIBUTION

(i)	Details of any clearing system other than Euroclear Netherlands:	Clearstream Banking AG, Eschborn
	(a) details of the appropriate clearing code/number:	Not Applicable
	(b) further details regarding the form of Certificates	European Certificates
(ii) Non-exempt offer:		An offer of Certificates may be made by the Issuer other than pursuant to Article 3(2) of the Prospectus Regulation in Germany, France, the Netherlands, Belgium, Spain and Italy (each a "Public Offer Jurisdiction" and together the "Public Offer Jurisdictions").
(iii)	Prohibition of Sales to EEA Retail Investors:	Not Applicable
(iv)	Prohibition of Sales to UK Retail Investors:	Applicable
(v) I	Prohibition of Sales to Belgian Consumers:	Not Applicable

# 9 GENERAL

Conditions to which the offer is subject:	There is no subscription period and the offer of
	Certificates is not subject to any conditions imposed by
	the Issuer.

## **ANNEX**

ISSUE SPECIFIC SUMMARY OF THE CERTIFICATES AND THE KEY INFORMATION DOCUMENT ARE AVAILABLE ON THE WEBITES OF THE ISSUER WWW.INGMARKETS.DE, WWW.INGSPRINTERS.NL AND WWW.INGTURBOS.FR