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
228,119	NG55NR	DE000NG55NR6	1,000,000	ING Short Commodity Mini Future
228,120	NG55NS	DE000NG55NS4	1,000,000	Certificate ING Short Commodity Mini Future Certificate
228,121	NG55NT	DE000NG55NT2	1,000,000	ING Short Commodity Mini Future Certificate
228,122	NG55NU	DE000NG55NU0	1,000,000	ING Short Commodity Mini Future Certificate
228,123	NG55NV	DE000NG55NV8	1,000,000	ING Short Commodity Mini Future Certificate
228,124	NG55NW	DE000NG55NW6	1,000,000	ING Short Commodity Mini Future Certificate
228,125	NG55NX	DE000NG55NX4	1,000,000	ING Short Commodity Mini Future Certificate
228,126	NG55NY	DE000NG55NY2	1,000,000	ING Short Commodity Mini Future Certificate
228,127	NG55NZ	DE000NG55NZ9	1,000,000	ING Short Commodity Mini Future Certificate
228,128	NG55N0	DE000NG55N06	1,000,000	ING Short Commodity Mini Future Certificate
228,129	NG55N1	DE000NG55N14	1,000,000	ING Short Commodity Mini Future Certificate
228,130	NG55N2	DE000NG55N22	1,000,000	ING Short Commodity Mini Future Certificate
228,131	NG55N3	DE000NG55N30	1,000,000	ING Short Commodity Mini Future Certificate
228,132	NG55N4	DE000NG55N48	1,000,000	ING Short Commodity Mini Future Certificate
228,133	NG55N5	DE000NG55N55	1,000,000	ING Short Commodity Mini Future Certificate
228,134	NG55N6	DE000NG55N63	1,000,000	ING Short Commodity Mini Future Certificate
228,135	NG55N7	DE000NG55N71	1,000,000	ING Short Commodity Mini Future Certificate
228,136	NG55N8	DE000NG55N89	1,000,000	ING Short Commodity Mini Future Certificate
228,137	NG55N9	DE000NG55N97	1,000,000	ING Short Commodity Mini Future Certificate
228,138	NG55PA	DE000NG55PA7	1,000,000	ING Short Commodity Mini Future Certificate
228,139	NG55PB	DE000NG55PB5	1,000,000	ING Short Commodity Mini Future Certificate
228,140	NG55PC	DE000NG55PC3	1,000,000	ING Short Commodity Mini Future Certificate
228,141	NG55PD	DE000NG55PD1	1,000,000	ING Short Commodity Mini Future

				Certificate
228,142	NG55PE	DE000NG55PE9	1,000,000	ING Short Commodity Mini Future
				Certificate
228,143	NG55PF	DE000NG55PF6	1,000,000	ING Short Commodity Mini Future
				Certificate
228,144	NG55PG	DE000NG55PG4	1,000,000	ING Short Commodity Mini Future
				Certificate
228,145	NG55PH	DE000NG55PH2	1,000,000	ING Short Commodity Mini Future
				Certificate
228,146	NG55PJ	DE000NG55PJ8	1,000,000	ING Short Commodity Mini Future
	11022011	B 2000 10 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		Certificate
228,147	NG55PK	DE000NG55PK6	1,000,000	ING Short Commodity Mini Future
				Certificate
228,148	NG55PL	DE000NG55PL4	1,000,000	ING Short Commodity Mini Future
	1102201	D T 0 0 0 1 0 2 2 7 7 1 0		Certificate
228,149	NG55PM	DE000NG55PM2	1,000,000	ING Short Commodity Mini Future
) (((((((((((((((((((DECOMPOSED IO		Certificate
228,150	NG55PN	DE000NG55PN0	1,000,000	ING Short Commodity Mini Future
220121	NOSSDD	DE000MG55DD5	1	Certificate
228,151	NG55PP	DE000NG55PP5	1,000,000	ING Short Commodity Mini Future
220 152	NC55DO	DE000NG55PQ3	1,000,000	Certificate
228,152	NG55PQ	DEUUUNGSSPQS	1,000,000	ING Short Commodity Mini Future
220 152	NG55PR	DE000NG55PR1	1,000,000	Certificate
228,153	NGSSPR	DEUUUNGSSPKI	1,000,000	ING Short Commodity Mini Future
220 154	NG55PS	DE000NG55PS9	1,000,000	Certificate
228,154	NGSSES	DEUUUNGSSFS9	1,000,000	ING Short Commodity Mini Future Certificate
228,155	NG55PT	DE000NG55PT7	1,000,000	ING Short Commodity Mini Future
220,133	1103311	DE00011G55117	1,000,000	Certificate
228,156	NG55PU	DE000NG55PU5	1,000,000	ING Short Commodity Mini Future
220,130	1103310	BE00011G331G3	1,000,000	Certificate
228,157	NG55PV	DE000NG55PV3	1,000,000	ING Short Commodity Mini Future
220,137	1,0001	220001(3001)	1,000,000	Certificate Commodity William Future
228,158	NG55PW	DE000NG55PW1	1,000,000	ING Short Commodity Mini Future
220,100			1,000,000	Certificate
228,159	NG55PX	DE000NG55PX9	1,000,000	ING Short Commodity Mini Future
,				Certificate
228,160	NG55PY	DE000NG55PY7	1,000,000	ING Short Commodity Mini Future
,				Certificate
228,161	NG55PZ	DE000NG55PZ4	1,000,000	ING Short Commodity Mini Future
				Certificate
228,162	NG55P0	DE000NG55P04	1,000,000	ING Short Commodity Mini Future
				Certificate
228,163	NG55P1	DE000NG55P12	1,000,000	ING Short Commodity Mini Future
				Certificate
228,164	NG55P2	DE000NG55P20	1,000,000	ING Short Commodity Mini Future
				Certificate
228,165	NG55P3	DE000NG55P38	1,000,000	ING Short Commodity Mini Future
			1	Certificate
228,166	NG55P4	DE000NG55P46	1,000,000	ING Short Commodity Mini Future
			1	Certificate
228,167	NG55P5	DE000NG55P53	1,000,000	ING Short Commodity Mini Future
				Certificate
228,168	NG55P6	DE000NG55P61	1,000,000	ING Short Commodity Mini Future
	31022	DD0003105	1	Certificate
228,169	NG55P7	DE000NG55P79	1,000,000	ING Short Commodity Mini Future

				Certificate
228,170	NG55P8	DE000NG55P87	1,000,000	ING Short Commodity Mini Future
				Certificate
228,171	NG55P9	DE000NG55P95	1,000,000	ING Short Commodity Mini Future
,				Certificate
228,172	NG55QA	DE000NG55QA5	1,000,000	ING Short Commodity Mini Future
-, -			, ,	Certificate
228,173	NG55QB	DE000NG55QB3	1,000,000	ING Short Commodity Mini Future
,			-,,,,,,,,	Certificate
228,174	NG55QC	DE000NG55QC1	1,000,000	ING Short Commodity Mini Future
220,17			1,000,000	Certificate
228,175	NG55QD	DE000NG55QD9	1,000,000	ING Short Commodity Mini Future
220,175			1,000,000	Certificate
228,176	NG55QE	DE000NG55QE7	1,000,000	ING Short Commodity Mini Future
220,170	1,300 Q2	2200011300 Q27	1,000,000	Certificate
228,177	NG55QF	DE000NG55QF4	1,000,000	ING Short Commodity Mini Future
220,177	1,033 Q1	BECCOTTOSSQII	1,000,000	Certificate Commodity Willing Lutture
228,178	NG55QG	DE000NG55QG2	1,000,000	ING Short Commodity Mini Future
220,170	11033Q0	DE00011033Q02	1,000,000	Certificate
228,179	NG55QH	DE000NG55QH0	1,000,000	ING Short Commodity Mini Future
220,179	11033Q11	DE00011G33Q110	1,000,000	Certificate
228,180	NG55QJ	DE000NG55QJ6	1,000,000	ING Short Commodity Mini Future
220,100	1103303	DE00011033Q30	1,000,000	Certificate
228,181	NG55QK	DE000NG55QK4	1,000,000	ING Short Commodity Mini Future
228,181	NOSSQK	DE000NG33QK4	1,000,000	Certificate
220 102	NG55QL	DE000NG55QL2	1,000,000	
228,182	NGSSQL	DE000NG33QL2	1,000,000	ING Short Commodity Mini Future
220 102	NG55QM	DE000NG55QM0	1 000 000	Certificate
228,183	ING55QM	DEGOGLIGOSQIMO	1,000,000	ING Short Commodity Mini Future
220 104	NCSSON	DECONICESONO	1 000 000	Certificate
228,184	NG55QN	DE000NG55QN8	1,000,000	ING Short Commodity Mini Future
220.107	NG55QP	DE000NC550D2	1.000.000	Certificate
228,185	NGSSQP	DE000NG55QP3	1,000,000	ING Short Commodity Mini Future
220.106	NC5500	DE000NC55001	1 000 000	Certificate
228,186	NG55QQ	DE000NG55QQ1	1,000,000	ING Short Commodity Mini Future
220 107	NC55OD	DE000NC550D0	1 000 000	Certificate
228,187	NG55QR	DE000NG55QR9	1,000,000	ING Short Commodity Mini Future
220 100	NOSSOS	DE000NG550G7	1 000 000	Certificate
228,188	NG55QS	DE000NG55QS7	1,000,000	ING Short Commodity Mini Future
••••	NOSSOT	DEGOONG	1 000 000	Certificate
228,189	NG55QT	DE000NG55QT5	1,000,000	ING Short Commodity Mini Future
•••	NOTTON	DECOMPOSE OF A	1 000 000	Certificate
228,190	NG55QU	DE000NG55QU3	1,000,000	ING Short Commodity Mini Future
	NGSSON	DECOMPOSE OF A		Certificate
228,191	NG55QV	DE000NG55QV1	1,000,000	ING Short Commodity Mini Future
				Certificate
228,192	NG55QW	DE000NG55QW9	1,000,000	ING Short Commodity Mini Future
			 	Certificate
228,193	NG55QX	DE000NG55QX7	1,000,000	ING Short Commodity Mini Future
			1	Certificate
228,194	NG55QY	DE000NG55QY5	500,000	ING Short Commodity Mini Future
				Certificate
228,195	NG55QZ	DE000NG55QZ2	500,000	ING Short Commodity Mini Future
				Certificate
228,196	NG55Q0	DE000NG55Q03	500,000	ING Short Commodity Mini Future
				Certificate
228,197	NG55Q1	DE000NG55Q11	500,000	ING Short Commodity Mini Future

			Certificate
NG55Q2	DE000NG55Q29	500,000	ING Short Commodity Mini Future
			Certificate
NG55Q3	DE000NG55Q37	500,000	ING Short Commodity Mini Future
			Certificate
NG55Q4	DE000NG55Q45	500,000	ING Short Commodity Mini Future
			Certificate
NG55Q5	DE000NG55Q52	500,000	ING Short Commodity Mini Future
			Certificate
NG5506	DE000NG55O60	500,000	ING Short Commodity Mini Future
		300,000	Certificate
NG5507	DE000NG55O78	500,000	ING Short Commodity Mini Future
1.500 Q,	220001.000 (70	300,000	Certificate Commonly William Lutare
NG5508	DE000NG55086	500,000	ING Short Commodity Mini Future
1103300	DE00011G33Q00	300,000	Certificate
NG5500	DE000NG55004	500,000	
ING33Q9	DE00011033Q34	300,000	ING Short Commodity Mini Future
NC55DA	DE000NC55D A 2	500,000	Certificate
NGSSKA	DEUUUNGSSKAS	300,000	ING Short Commodity Mini Future
NCSSDD	DE000MC55DD1	700.000	Certificate
NGSSKB	DEUUUNGSSKBI	500,000	ING Short Commodity Mini Future
NOCCE	DEGGONICATOGG	700.000	Certificate
NGSSRC	DEUUUNGSSRC9	500,000	ING Short Commodity Mini Future
NG 55DD	DECOMPOSED S		Certificate
NG55RD	DE000NG55RD7	500,000	ING Short Commodity Mini Future
			Certificate
NG55RE	DE000NG55RE5	500,000	ING Short Commodity Mini Future
			Certificate
NG55RF	DE000NG55RF2	500,000	ING Short Commodity Mini Future
			Certificate
NG55RG	DE000NG55RG0	500,000	ING Short Commodity Mini Future
			Certificate
NG55RH	DE000NG55RH8	1,000,000	ING Short Commodity Mini Future
			Certificate
NG55RJ	DE000NG55RJ4	1,000,000	ING Short Commodity Mini Future
			Certificate
NG55RK	DE000NG55RK2	1,000,000	ING Short Commodity Mini Future
			Certificate
NG55RL	DE000NG55RL0	500,000	ING Short Commodity Mini Future
			Certificate
NG55RM	DE000NG55RM8	500,000	ING Short Commodity Mini Future
			Certificate
NG55RN	DE000NG55RN6	500,000	ING Short Commodity Mini Future
			Certificate
NG55RP	DE000NG55RP1	500,000	ING Short Commodity Mini Future
			Certificate
NG55RQ	DE000NG55RQ9	500,000	ING Short Commodity Mini Future
			Certificate
NG55RR	DE000NG55RR7	500.000	ING Short Commodity Mini Future
			Certificate
NG55RS	DE000NG55RS5	500.000	ING Short Commodity Mini Future
			Certificate
NOSSDE	DE000NG55RT3	500,000	ING Short Commodity Mini Future
INGSSRT		200,000	1 Commodity milli I didic
NG55RT			Certificate
	DE000NG55RU1	500,000	Certificate ING Short Commodity Mini Future
NG55RT NG55RU	DE000NG55RU1	500,000	Certificate ING Short Commodity Mini Future Certificate
	NG55Q3 NG55Q4 NG55Q4 NG55Q6 NG55Q6 NG55Q7 NG55Q8 NG55Q9 NG55RA NG55RB NG55RB NG55RC	NG55Q3 DE000NG55Q37 NG55Q4 DE000NG55Q45 NG55Q5 DE000NG55Q52 NG55Q6 DE000NG55Q60 NG55Q7 DE000NG55Q78 NG55Q8 DE000NG55Q86 NG55Q9 DE000NG55Q94 NG55RA DE000NG55RA3 NG55RB DE000NG55RC9 NG55RC DE000NG55RC9 NG55RE DE000NG55RE5 NG55RF DE000NG55RF2 NG55RG DE000NG55RG0 NG55RH DE000NG55RH8 NG55RJ DE000NG55RH2 NG55RL DE000NG55RL0 NG55RM DE000NG55RM8 NG55RN DE000NG55RN6 NG55RP DE000NG55RP1 NG55RQ DE000NG55RQ9 NG55RR DE000NG55RR7	NG55Q3 DE000NG55Q37 500,000 NG55Q4 DE000NG55Q45 500,000 NG55Q5 DE000NG55Q52 500,000 NG55Q6 DE000NG55Q60 500,000 NG55Q7 DE000NG55Q78 500,000 NG55Q8 DE000NG55Q86 500,000 NG55Q9 DE000NG55Q94 500,000 NG55RA DE000NG55RA3 500,000 NG55RC DE000NG55RC9 500,000 NG55RD DE000NG55RD7 500,000 NG55RE DE000NG55RE5 500,000 NG55RF DE000NG55RF2 500,000 NG55RJ DE000NG55RH8 1,000,000 NG55RL DE000NG55RK2 1,000,000 NG55RL DE000NG55RN8 500,000 NG55RN DE000NG55RN8 500,000 NG55RP DE000NG55RP1 500,000 NG55RQ DE000NG55RP1 500,000 NG55RR DE000NG55RP1 500,000

				Certificate
228,226	NG55RW	DE000NG55RW7	500,000	ING Short Commodity Mini Future
				Certificate
228,227	NG55RX	DE000NG55RX5	500,000	ING Short Commodity Mini Future
				Certificate
228,228	NG55RY	DE000NG55RY3	500,000	ING Short Commodity Mini Future
				Certificate
228,229	NG55RZ	DE000NG55RZ0	500,000	ING Short Commodity Mini Future
				Certificate
228,230	NG55R0	DE000NG55R02	500,000	ING Short Commodity Mini Future
				Certificate
228,231	NG55R1	DE000NG55R10	500,000	ING Short Commodity Mini Future
				Certificate
228,232	NG55R2	DE000NG55R28	500,000	ING Short Commodity Mini Future
				Certificate
228,233	NG55R3	DE000NG55R36	500,000	ING Short Commodity Mini Future
				Certificate
228,234	NG55R4	DE000NG55R44	500,000	ING Short Commodity Mini Future
				Certificate
228,235	NG55R5	DE000NG55R51	500,000	ING Short Commodity Mini Future
				Certificate
228,236	NG55R6	DE000NG55R69	500,000	ING Short Commodity Mini Future
				Certificate
228,237	NG55R7	DE000NG55R77	500,000	ING Short Commodity Mini Future
				Certificate
228,238	NG55R8	DE000NG55R85	500,000	ING Short Commodity Mini Future
				Certificate
228,239	NG55R9	DE000NG55R93	500,000	ING Short Commodity Mini Future
				Certificate
228,240	NG55SA	DE000NG55SA1	500,000	ING Short Commodity Mini Future
				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 terms is defined in the Prospectus) and that such offer is made during the Offer Period specified in that paragraph and that any conditions relevant 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.

UK MIFIR 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 retail clients, 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"), and eligible counterparties, as defined in the FCA Handbook Conduct of Business Sourcebook ("COBS") and professional clients, as defined in Regulation (EU) No 600/2014 as it forms part of UK domestic law by virtue of the EUWA ("UK MiFIR"); EITHER 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 COBS, as applicable. Any person subsequently offering, selling or recommending the Certifiates (a "distributor") should take into consideration the manufacturer's target market assessment; however, a distributor subject to the FCA Handbook Product Intervention and Product Governance Sourcebook (the "UK MiFIR Product Governance Rules") 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 COBS, as applicable.

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 04 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

	CRAL DESCRIPTION OF THE CERTIFICATES	A 'C' 1 ' . d d 11 . 1 . 1
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:	I
2	(a) The type of Certificates which may be Index Certificates, Share Certificates, Currency Certificates, Commodity Certificates, Fund Certificates, Government Bond Certificates or Index Futures Certificates:	Commodity Certificates
	(b) Whether such Certificates are Best Certificates, Limited Certificates, Open Ended Certificates or Fixed Leverage.	Open Ended Certificates (Marketing name: Mini Future, Turbo Infini or Sprinter)
	(c) Whether such Certificates are Long Certificates or Short Certificates:	Short 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:	29 November 2022
6	Issue Date:	01 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
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
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

Series	ISIN Code	Number	Issue	Current	Curre	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						
228,11	DE000NG5	1,000,000	0.66	88.2302	3.5	5.0	7.5	20.0	0.0	81.6000	0.1	0.1	USD
9	5NR6			000000						000000			
228,12	DE000NG5	1,000,000	0.71	88.7302	3.5	5.0	7.5	20.0	0.0	82.0000	0.1	0.1	USD
0	5NS4			000000						000000			
228,12	DE000NG5	1,000,000	0.76	89.2302	3.5	5.0	7.5	20.0	0.0	82.5000	0.1	0.1	USD
1	5NT2			000000						000000			
228,12	DE000NG5	1,000,000	0.8	89.7302	3.5	5.0	7.5	20.0	0.0	83.0000	0.1	0.1	USD
2	5NU0			000000						000000			
228,12	DE000NG5	1,000,000	0.85	90.2302	3.5	5.0	7.5	20.0	0.0	83.4000	0.1	0.1	USD
3	5NV8			000000						000000			
228,12	DE000NG5	1,000,000	0.9	90.7302	3.5	5.0	7.5	20.0	0.0	83.9000	0.1	0.1	USD
4	5NW6			000000						000000			
228,12	DE000NG5	1,000,000	0.95	91.2302	3.5	5.0	7.5	20.0	0.0	84.3000	0.1	0.1	USD
5	5NX4			000000						000000			
228,12	DE000NG5	1,000,000	1.0	91.7302	3.5	5.0	7.5	20.0	0.0	84.8000	0.1	0.1	USD
6	5NY2			000000						000000			
228,12	DE000NG5	1,000,000	1.04	92.2302	3.5	5.0	7.5	20.0	0.0	85.3000	0.1	0.1	USD
7	5NZ9			000000						000000			

	1					1			 				
228,12 8	DE000NG5 5N06	1,000,000	1.09	92.7302 000000	3.5	5.0	7.5	20.0	0.0	85.7000 000000	0.1	0.1	USD
228,12	DE000NG5 5N14	1,000,000	1.14	93.2302 000000	3.5	5.0	7.5	20.0	0.0	86.2000 000000	0.1	0.1	USD
228,13	DE000NG5 5N22	1,000,000	1.19	93.7302 000000	3.5	5.0	7.5	20.0	0.0	86.7000 000000	0.1	0.1	USD
228,13	DE000NG5 5N30	1,000,000	1.24	94.2302 000000	3.5	5.0	7.5	20.0	0.0	87.1000 000000	0.1	0.1	USD
228,13	DE000NG5 5N48	1,000,000	1.28	94.7302 000000	3.5	5.0	7.5	20.0	0.0	87.6000	0.1	0.1	USD
228,13	DE000NG5 5N55	1,000,000	1.33	95.2302 000000	3.5	5.0	7.5	20.0	0.0	88.0000	0.1	0.1	USD
228,13	DE000NG5 5N63	1,000,000	1.38	95.7302 000000	3.5	5.0	7.5	20.0	0.0	88.5000	0.1	0.1	USD
228,13	DE000NG5	1,000,000	1.43	96.2302 000000	3.5	5.0	7.5	20.0	0.0	89.0000	0.1	0.1	USD
5 228,13	5N71 DE000NG5	1,000,000	1.48	96.7302	3.5	5.0	7.5	20.0	0.0	89.4000	0.1	0.1	USD
228,13	5N89 DE000NG5	1,000,000	1.52	97.2302	3.5	5.0	7.5	20.0	0.0	89.9000	0.1	0.1	USD
7 228,13	5N97 DE000NG5	1,000,000	1.57	97.7302	3.5	5.0	7.5	20.0	0.0	90.4000	0.1	0.1	USD
8 228,13	5PA7 DE000NG5	1,000,000	1.62	98.2302	3.5	5.0	7.5	20.0	0.0	90.8000	0.1	0.1	USD
9 228,14	5PB5 DE000NG5	1,000,000	1.67	98.7302	3.5	5.0	7.5	20.0	0.0	91.3000	0.1	0.1	USD
0 228,14	5PC3 DE000NG5	1,000,000	1.72	99.2302	3.5	5.0	7.5	20.0	0.0	91.7000	0.1	0.1	USD
228,14	5PD1 DE000NG5	1,000,000	1.76	99.7302	3.5	5.0	7.5	20.0	0.0	000000 92.2000	0.1	0.1	USD
2 228,14	5PE9 DE000NG5	1,000,000	1.81	000000 100.230	3.5	5.0	7.5	20.0	0.0	000000 92.7000	0.1	0.1	USD
3	5PF6			200000 0						000000			
228,14	DE000NG5 5PG4	1,000,000	1.86	100.730 200000 0	3.5	5.0	7.5	20.0	0.0	93.1000	0.1	0.1	USD
228,14 5	DE000NG5 5PH2	1,000,000	1.91	101.230 200000 0	3.5	5.0	7.5	20.0	0.0	93.6000 000000	0.1	0.1	USD
228,14 6	DE000NG5 5PJ8	1,000,000	1.95	101.730 200000 0	3.5	5.0	7.5	20.0	0.0	94.1000 000000	0.1	0.1	USD
228,14 7	DE000NG5 5PK6	1,000,000	2.0	102.230 200000 0	3.5	5.0	7.5	20.0	0.0	94.5000 000000	0.1	0.1	USD
228,14 8	DE000NG5 5PL4	1,000,000	2.05	102.730 200000 0	3.5	5.0	7.5	20.0	0.0	95.0000 000000	0.1	0.1	USD
228,14 9	DE000NG5 5PM2	1,000,000	2.1	103.230 200000 0	3.5	5.0	7.5	20.0	0.0	95.4000 000000	0.1	0.1	USD
228,15 0	DE000NG5 5PN0	1,000,000	2.15	103.730 200000 0	3.5	5.0	7.5	20.0	0.0	95.9000 000000	0.1	0.1	USD
228,15 1	DE000NG5 5PP5	1,000,000	2.19	104.230 200000 0	3.5	5.0	7.5	20.0	0.0	96.4000 000000	0.1	0.1	USD
228,15	DE000NG5 5PQ3	1,000,000	2.24	104.730 200000 0	3.5	5.0	7.5	20.0	0.0	96.8000 000000	0.1	0.1	USD
228,15	DE000NG5 5PR1	1,000,000	2.29	105.230 200000	3.5	5.0	7.5	20.0	0.0	97.3000	0.1	0.1	USD

				0						000000			
228,15 4	DE000NG5 5PS9	1,000,000	2.34	105.730 200000 0	3.5	5.0	7.5	20.0	0.0	97.8000 000000	0.1	0.1	USD
228,15 5	DE000NG5 5PT7	1,000,000	2.39	106.230 200000 0	3.5	5.0	7.5	20.0	0.0	98.2000 000000	0.1	0.1	USD
228,15 6	DE000NG5 5PU5	1,000,000	2.43	106.730 200000 0	3.5	5.0	7.5	20.0	0.0	98.7000 000000	0.1	0.1	USD
228,15 7	DE000NG5 5PV3	1,000,000	2.48	107.230 200000 0	3.5	5.0	7.5	20.0	0.0	99.1000 000000	0.1	0.1	USD
228,15 8	DE000NG5 5PW1	1,000,000	2.53	107.730 200000 0	3.5	5.0	7.5	20.0	0.0	99.6000 000000	0.1	0.1	USD
228,15 9	DE000NG5 5PX9	1,000,000	2.58	108.230 200000 0	3.5	5.0	7.5	20.0	0.0	100.100 000000 0	0.1	0.1	USD
228,16 0	DE000NG5 5PY7	1,000,000	2.63	108.730 200000 0	3.5	5.0	7.5	20.0	0.0	100.500 000000 0	0.1	0.1	USD
228,16 1	DE000NG5 5PZ4	1,000,000	2.67	109.230 200000 0	3.5	5.0	7.5	20.0	0.0	101.000 000000 0	0.1	0.1	USD
228,16 2	DE000NG5 5P04	1,000,000	2.72	109.730 200000 0	3.5	5.0	7.5	20.0	0.0	101.500 000000 0	0.1	0.1	USD
228,16 3	DE000NG5 5P12	1,000,000	2.77	110.230 200000 0	3.5	5.0	7.5	20.0	0.0	101.900 000000 0	0.1	0.1	USD
228,16 4	DE000NG5 5P20	1,000,000	2.82	110.730 200000 0	3.5	5.0	7.5	20.0	0.0	102.400 000000 0	0.1	0.1	USD
228,16 5	DE000NG5 5P38	1,000,000	2.87	111.230 200000 0	3.5	5.0	7.5	20.0	0.0	102.800 000000 0	0.1	0.1	USD
228,16 6	DE000NG5 5P46	1,000,000	2.91	111.730 200000 0	3.5	5.0	7.5	20.0	0.0	103.300 000000 0	0.1	0.1	USD
228,16 7	DE000NG5 5P53	1,000,000	2.96	112.230 200000 0	3.5	5.0	7.5	20.0	0.0	103.800 000000 0	0.1	0.1	USD
228,16 8	DE000NG5 5P61	1,000,000	3.01	112.730 200000 0	3.5	5.0	7.5	20.0	0.0	104.200 000000 0	0.1	0.1	USD
228,16 9	DE000NG5 5P79	1,000,000	3.06	113.230 200000 0	3.5	5.0	7.5	20.0	0.0	104.700 000000 0	0.1	0.1	USD
228,17 0	DE000NG5 5P87	1,000,000	3.1	113.730 200000 0	3.5	5.0	7.5	20.0	0.0	105.200 000000 0	0.1	0.1	USD
228,17 1	DE000NG5 5P95	1,000,000	3.15	114.230 200000 0	3.5	5.0	7.5	20.0	0.0	105.600 000000 0	0.1	0.1	USD
228,17 2	DE000NG5 5QA5	1,000,000	3.2	114.730 200000 0	3.5	5.0	7.5	20.0	0.0	106.100 000000 0	0.1	0.1	USD
228,17 3	DE000NG5 5QB3	1,000,000	3.25	115.230 200000 0	3.5	5.0	7.5	20.0	0.0	106.500 000000 0	0.1	0.1	USD

228,17 4	DE000NG5 5QC1	1,000,000	3.3	115.730 200000 0	3.5	5.0	7.5	20.0	0.0	107.000 000000 0	0.1	0.1	USD
228,17 5	DE000NG5 5QD9	1,000,000	3.34	116.230 200000 0	3.5	5.0	7.5	20.0	0.0	107.500 000000 0	0.1	0.1	USD
228,17 6	DE000NG5 5QE7	1,000,000	3.39	116.730 200000 0	3.5	5.0	7.5	20.0	0.0	107.900 000000 0	0.1	0.1	USD
228,17 7	DE000NG5 5QF4	1,000,000	3.44	117.230 200000 0	3.5	5.0	7.5	20.0	0.0	108.400 000000 0	0.1	0.1	USD
228,17 8	DE000NG5 5QG2	1,000,000	3.49	117.730 200000 0	3.5	5.0	7.5	20.0	0.0	108.900 000000 0	0.1	0.1	USD
228,17 9	DE000NG5 5QH0	1,000,000	3.54	118.230 200000 0	3.5	5.0	7.5	20.0	0.0	109.300 000000 0	0.1	0.1	USD
228,18 0	DE000NG5 5QJ6	1,000,000	3.58	118.730 200000 0	3.5	5.0	7.5	20.0	0.0	109.800 000000 0	0.1	0.1	USD
228,18	DE000NG5 5QK4	1,000,000	3.63	119.230 200000 0	3.5	5.0	7.5	20.0	0.0	110.200 000000 0	0.1	0.1	USD
228,18	DE000NG5 5QL2	1,000,000	3.68	119.730 200000 0	3.5	5.0	7.5	20.0	0.0	110.700 000000 0	0.1	0.1	USD
228,18	DE000NG5 5QM0	1,000,000	3.73	120.230 200000 0	3.5	5.0	7.5	20.0	0.0	111.200 000000 0	0.1	0.1	USD
228,18	DE000NG5 5QN8	1,000,000	3.78	120.730 200000 0	3.5	5.0	7.5	20.0	0.0	111.600 000000 0	0.1	0.1	USD
228,18	DE000NG5 5QP3	1,000,000	3.82	121.230 200000 0	3.5	5.0	7.5	20.0	0.0	112.100 000000 0	0.1	0.1	USD
228,18	DE000NG5 5QQ1	1,000,000	3.87	121.730 200000 0	3.5	5.0	7.5	20.0	0.0	112.600 000000 0	0.1	0.1	USD
228,18 7	DE000NG5 5QR9	1,000,000	3.92		3.5	5.0	7.5	20.0	0.0	113.000 000000 0	0.1	0.1	USD
228,18 8	DE000NG5 5QS7	1,000,000	3.97	122.730 200000 0	3.5	5.0	7.5	20.0	0.0	113.500 000000 0	0.1	0.1	USD
228,18 9	DE000NG5 5QT5	1,000,000	4.01	123.230 200000 0	3.5	5.0	7.5	20.0	0.0	113.900 000000 0	0.1	0.1	USD
228,19 0	DE000NG5 5QU3	1,000,000	4.06	123.730 200000 0	3.5	5.0	7.5	20.0	0.0	114.400 000000	0.1	0.1	USD
228,19	DE000NG5 5QV1	1,000,000	4.11	124.230 200000 0	3.5	5.0	7.5	20.0	0.0	0 114.900 000000 0	0.1	0.1	USD
228,19	DE000NG5 5QW9	1,000,000	4.16	124.730 200000 0	3.5	5.0	7.5	20.0	0.0	115.300 000000	0.1	0.1	USD
228,19	DE000NG5 5QX7	1,000,000	4.21	125.230 200000 0	3.5	5.0	7.5	20.0	0.0	0 115.800 000000 0	0.1	0.1	USD

228,19 4	DE000NG5 5QY5	500,000	5.48	1816.72 470000 00	3.5	5.0	3.0	20.0	0.0	1762.00 000000 00	1.0	0.1	USD
228,19 5	DE000NG5 5QZ2	500,000	5.72	1819.22 470000 00	3.5	5.0	3.0	20.0	0.0	1764.00 000000 00	1.0	0.1	USD
228,19 6	DE000NG5 5Q03	500,000	5.96	1821.72 470000 00	3.5	5.0	3.0	20.0	0.0	1767.00 000000 00	1.0	0.1	USD
228,19 7	DE000NG5 5Q11	500,000	6.2	1824.22 470000 00	3.5	5.0	3.0	20.0	0.0	1769.00 000000 00	1.0	0.1	USD
228,19 8	DE000NG5 5Q29	500,000	6.44	1826.72 470000 00	3.5	5.0	3.0	20.0	0.0	1771.00 000000 00	1.0	0.1	USD
228,19 9	DE000NG5 5Q37	500,000	6.68	1829.22 470000 00	3.5	5.0	3.0	20.0	0.0	1774.00 000000 00	1.0	0.1	USD
228,20 0	DE000NG5 5Q45	500,000	6.92	1831.72 470000 00	3.5	5.0	3.0	20.0	0.0	1776.00 000000 00	1.0	0.1	USD
228,20 1	DE000NG5 5Q52	500,000	7.16	1834.22 470000 00	3.5	5.0	3.0	20.0	0.0	1779.00 000000 00	1.0	0.1	USD
228,20 2	DE000NG5 5Q60	500,000	7.4	1836.72 470000 00	3.5	5.0	3.0	20.0	0.0	1781.00 000000 00	1.0	0.1	USD
228,20 3	DE000NG5 5Q78	500,000	7.64	1839.22 470000 00	3.5	5.0	3.0	20.0	0.0	1784.00 000000 00	1.0	0.1	USD
228,20 4	DE000NG5 5Q86	500,000	7.88	1841.72 470000 00	3.5	5.0	3.0	20.0	0.0	1786.00 000000 00	1.0	0.1	USD
228,20 5	DE000NG5 5Q94	500,000	8.12	1844.22 470000 00	3.5	5.0	3.0	20.0	0.0	1788.00 000000 00	1.0	0.1	USD
228,20 6	DE000NG5 5RA3	500,000	8.36	1846.72 470000 00	3.5	5.0	3.0	20.0	0.0	1791.00 000000 00	1.0	0.1	USD
228,20 7	DE000NG5 5RB1	500,000	8.6	1849.22 470000 00	3.5	5.0	3.0	20.0	0.0	1793.00 000000 00	1.0	0.1	USD
228,20 8	DE000NG5 5RC9	500,000	8.84	1851.72 470000 00	3.5	5.0	3.0	20.0	0.0	1796.00 000000 00	1.0	0.1	USD
228,20 9	DE000NG5 5RD7	500,000	9.08	1854.22 470000 00	3.5	5.0	3.0	20.0	0.0	1798.00 000000 00	1.0	0.1	USD
228,21 0	DE000NG5 5RE5	500,000	9.32	1856.72 470000 00	3.5	5.0	3.0	20.0	0.0	1801.00 000000 00	1.0	0.1	USD
228,21 1	DE000NG5 5RF2	500,000	9.55	1859.22 470000 00	3.5	5.0	3.0	20.0	0.0	1803.00 000000 00	1.0	0.1	USD
228,21 2	DE000NG5 5RG0	500,000	9.79	1861.72 470000 00	3.5	5.0	3.0	20.0	0.0	1805.00 000000 00	1.0	0.1	USD
228,21 3	DE000NG5 5RH8		0.86	00000	3.5	5.0	10.0	20.0	0.0	7.15000 00000	0.01	1.0	USD
228,21	DE000NG5	1,000,000	1.24	8.35500	3.5	5.0	10.0	20.0	0.0	7.51000	0.01	1.0	USD

4	5RJ4			00000						00000			
228,21	DE000NG5	1,000,000	1.62	8.75500	3.5	5.0	10.0	20.0	0.0	7.87000	0.01	1.0	USD
5	5RK2	-,,		00000				20.0	0.0	00000	0.01	1.0	CSD
228,21	DE000NG5	500,000	1.42	22.9297	3.5	5.0	4.0	20.0	0.0	22.0000	0.1	1.0	USD
6	5RL0	300,000	1.12	000000	3.3	5.0		20.0	0.0	000000	0.1	1.0	OSD
228,21	DE000NG5	500,000	1.61	23.1297	3.5	5.0	4.0	20.0	0.0	22.2000	0.1	1.0	USD
7	5RM8	300,000	1.01	000000	3.3	3.0	14.0	20.0	0.0	000000	0.1	1.0	USD
228,21	DE000NG5	500,000	1.8	23.3297	3.5	5.0	4.0	20.0	0.0	22.3000	0.1	1.0	USD
8	5RN6	300,000	1.0	000000	3.5	3.0	4.0	20.0	0.0	000000	0.1	1.0	USD
228,21	DE000NG5	500,000	1.99	23.5297	3.5	5.0	4.0	200		22.5000	0.1	1.0	LICD
9	5RP1	300,000	1.99	000000	3.3	3.0	4.0	20.0	0.0		0.1	1.0	USD
-	DE000NG5	500.000	2.18	23.7297	3.5	5.0	4.0			000000	0.1	1.0	HCD
228,22	5RQ9	300,000	2.18	000000	3.3	3.0	4.0	20.0	0.0	22.7000	0.1	1.0	USD
	,	500.000	2.20		2.5	5.0	1.0			000000	0.1	1.0	HGD
228,22	DE000NG5 5RR7	500,000	2.38	23.9297 000000	3.5	5.0	4.0	20.0	0.0	22.9000	0.1	1.0	USD
220.22	- '	500.000	2.57		2.5	5.0	1.0	ļ		000000			
228,22	DE000NG5 5RS5	500,000	2.57	24.1297 000000	3.5	5.0	4.0	20.0	0.0	23.1000	0.1	1.0	USD
2		500.000	2.76		2.5	5.0	4.0			000000			
228,22	DE000NG5	500,000	2.76	24.3297	3.5	5.0	4.0	20.0	0.0	23.3000	0.1	1.0	USD
3	5RT3			000000						000000			
228,22	DE000NG5	500,000	2.95	24.5297	3.5	5.0	4.0	20.0	0.0	23.5000	0.1	1.0	USD
4	5RU1			000000						000000			
228,22	DE000NG5	500,000	3.14	24.7297	3.5	5.0	4.0	20.0	0.0	23.7000	0.1	1.0	USD
5	5RV9			000000						000000			
228,22	DE000NG5	500,000	3.33	24.9297	3.5	5.0	4.0	20.0	0.0	23.9000	0.1	1.0	USD
6	5RW7			000000						000000			
228,22	DE000NG5	500,000	3.53	25.1297	3.5	5.0	4.0	20.0	0.0	24.1000	0.1	1.0	USD
7	5RX5			000000						000000			
228,22	DE000NG5	500,000	3.72	25.3297	3.5	5.0	4.0	20.0	0.0	24.3000	0.1	1.0	USD
8	5RY3			000000						000000			
228,22	DE000NG5	500,000	3.91	25.5297	3.5	5.0	4.0	20.0	0.0	24.5000	0.1	1.0	USD
9	5RZ0			000000						000000			
228,23	DE000NG5	500,000	4.1	25.7297	3.5	5.0	4.0	20.0	0.0	24.7000	0.1	1.0	USD
0	5R02			000000						000000			
228,23	DE000NG5	500,000	4.29	25.9297	3.5	5.0	4.0	20.0	0.0	24.8000	0.1	1.0	USD
1	5R10			000000						000000			
228,23	DE000NG5	500,000	4.48	26.1297	3.5	5.0	4.0	20.0	0.0	25.0000	0.1	1.0	USD
2	5R28			000000						000000			
228,23	DE000NG5	500,000	4.68	26.3297	3.5	5.0	4.0	20.0	0.0	25.2000	0.1	1.0	USD
3	5R36			000000						000000			
228,23	DE000NG5	500,000	4.87	26.5297	3.5	5.0	4.0	20.0	0.0	25.4000	0.1	1.0	USD
4	5R44			000000						000000			
228,23	DE000NG5	500,000	5.06	26.7297	3.5	5.0	4.0	20.0	0.0	25.6000	0.1	1.0	USD
5	5R51			000000						000000			
228,23	DE000NG5	500,000	5.25	26.9297	3.5	5.0	4.0	20.0	0.0	25.8000	0.1	1.0	USD
6	5R69			000000				-0.0		000000			
228,23	DE000NG5	500,000	5.44	27.1297	3.5	5.0	4.0	20.0	0.0	26.0000	0.1	1.0	USD
7	5R77			000000					0.0	000000			
228,23	DE000NG5	500,000	5.63	27.3297	3.5	5.0	4.0	20.0	0.0	26.2000	0.1	1.0	USD
8	5R85			000000				20.0	3.0	000000			
228,23	DE000NG5	500,000	5.82	27.5297	3.5	5.0	4.0	20.0	0.0	26.4000	0.1	1.0	USD
9	5R93	,		000000				20.0	0.0	000000	```		225
228,24	DE000NG5	500,000	6.02	27.7297	3.5	5.0	4.0	20.0	0.0	26.6000	0.1	1.0	USD
0	5SA1	,		000000				20.0	0.0	000000	J	1.0	
<u> </u>			<u> </u>	<u> </u>					<u> </u>	300000	<u> </u>		

ADDITIONAL SPECIFIC PRODUCT RELATED PROVISIONS:

24	Index Certificate Provisions	Not Applicable	
25	Share Certificate Provisions	Not Applicable	
26	Currency Certificate Provisions	Not Applicable	
27	Commodity Certificate Provisions	Applicable	

	LIOINI	Les	(::\	(:::) Delta	I C: A	17.0	(-:) D. II	I (- :::)	()
Series	ISIN	(i)	(ii)	(iii) Price	(iv)	(v)	(vi) Rollover	(vii)	(viii)
Numb	Code	Commodi	Commo	Source/	Speci	Delivery	Date	Exchang	Valuation
er of		ty	dity	Reference	fied	Dates		е	Time
the			Referen	Dealers	Price				
Certifi			ce Price						
cates									
228,11	DE000N	Brent	Oil-Brent	Initially	T1	Not	Not	Not	The close
9	G55NR6	Crude Oil	-ICE	Bloomberg code: COG3	The	Applicabl	Applicable.	1 1	of trading on the
				<cmdty> and</cmdty>	spot price	e.		е	Exchange
				after the first	price				Exchange
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
				Contract.					
228,12	DE000N	Brent		Initially		Not	Not	Not	The close
0	G55NS4	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	1	of trading
				code: COG3	spot	e.		e	on the
				<cmdty> and after the first</cmdty>	price				Exchange
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
				Contract.					
228,12		Brent	Oil-Brent		l	Not	Not	Not	The close
1	G55NT2	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	1	of trading
				code: COG3	spot	e.		e	on the
				<cmdty> and after the first</cmdty>	price				Exchange
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
				Contract.					
228,12	DE000N	Brent	Oil-Brent	Initially		Not	Not	Not	The close
2	G55NU0	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
				code: COG3	spot	e.		е	on the
				<cmdty> and</cmdty>	price				Exchange
				after the first Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
			ļ	to the relevant	<u> </u>	<u> </u>		L	

				Futures					
				Contract.					
228,12	DE000N G55NV8	Brent Crude Oil	Oil-Brent -ICE	Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract.</cmdty>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,12	G55NW6	Brent Crude Oil	Oil-Brent -ICE	Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract.</cmdty>	The spot price	e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,12	DE000N G55NX4	Brent Crude Oil	Oil-Brent -ICE	Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract.</cmdty>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
	G55NY2	Brent Crude Oil	Oil-Brent -ICE	Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract.</cmdty>	The spot price	е.	Not Applicable.	е	The close of trading on the Exchange
7	DE000N G55NZ9	Brent Crude Oil	-ICE	Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract.</cmdty>	The spot price	Not Applicabl e.	Not Applicable.	e	The close of trading on the Exchange
228,12	DE000N G55N06	Brent Crude Oil	Oil-Brent -ICE	Initially Bloomberg code: COG3	The spot	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the

	1	 		-C 1: 1			i	1	
				<cmdty> and</cmdty>	price				Exchange
				after the first					
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
				Contract.					
228,12	DE000N	Brent	Oil-Brent	Initially		Not	Not	Not	The close
9	G55N14	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
	0001111	Craac on	TOE	code: COG3	spot	e.	пррисаоте.	e	on the
				<cmdty> and</cmdty>	price	[C.		ľ	Exchange
				after the first	price				Exchange
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
220.12	DECOCS	ID :	01.5	Contract.		NT :	NT /	137	TT1 1
228,13		Brent	Oil-Brent		TO I	Not	Not	Not	The close
0	G55N22	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
				code: COG3	spot	e.		e	on the
				<cmdty> and</cmdty>	price				Exchange
				after the first					
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
				a					
1				Contract.					
228,13	DE000N	Brent	Oil-Brent	Contract. Initially		Not	Not	Not	The close
228,13	DE000N G55N30	Brent Crude Oil	Oil-Brent -ICE		The	1			The close of trading
		1		Initially	The spot	Applicabl	Not Applicable.		
		1		Initially Bloomberg	spot	1		Applicabl	of trading on the
		1		Initially Bloomberg code: COG3		Applicabl		Applicabl	of trading
		1		Initially Bloomberg code: COG3 <cmdty> and after the first</cmdty>	spot	Applicabl		Applicabl	of trading on the
		1		Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date</cmdty>	spot	Applicabl		Applicabl	of trading on the
		1		Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg</cmdty>	spot	Applicabl		Applicabl	of trading on the
		1		Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring</cmdty>	spot	Applicabl		Applicabl	of trading on the
		1		Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant</cmdty>	spot	Applicabl		Applicabl	of trading on the
		1		Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures</cmdty>	spot	Applicabl		Applicabl	of trading on the
1	G55N30	Crude Oil	-ICE	Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract.</cmdty>	spot	Applicabl e.	Applicable.	Applicabl e	of trading on the Exchange
228,13	G55N30 DE000N	Crude Oil Brent	-ICE Oil-Brent	Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially</cmdty>	spot price	Applicabl e.	Applicable.	Applicabl e	of trading on the Exchange
1	G55N30	Crude Oil	-ICE	Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg</cmdty>	spot price	Applicabl e. Not Applicabl	Applicable.	Applicabl e Not Applicabl	of trading on the Exchange The close of trading
228,13	G55N30 DE000N	Crude Oil Brent	-ICE Oil-Brent	Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3</cmdty>	spot price The spot	Applicabl e.	Applicable.	Applicabl e	of trading on the Exchange The close of trading on the
228,13	G55N30 DE000N	Crude Oil Brent	-ICE Oil-Brent	Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and</cmdty></cmdty>	spot price	Applicabl e. Not Applicabl	Applicable.	Applicabl e Not Applicabl	of trading on the Exchange The close of trading
228,13	G55N30 DE000N	Crude Oil Brent	-ICE Oil-Brent	Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first</cmdty></cmdty>	spot price The spot	Applicabl e. Not Applicabl	Applicable.	Applicabl e Not Applicabl	of trading on the Exchange The close of trading on the
228,13	G55N30 DE000N	Crude Oil Brent	-ICE Oil-Brent	Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date</cmdty></cmdty>	spot price The spot	Applicabl e. Not Applicabl	Applicable.	Applicabl e Not Applicabl	of trading on the Exchange The close of trading on the
228,13	G55N30 DE000N	Crude Oil Brent	-ICE Oil-Brent	Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg</cmdty></cmdty>	spot price The spot	Applicabl e. Not Applicabl	Applicable.	Applicabl e Not Applicabl	of trading on the Exchange The close of trading on the
228,13	G55N30 DE000N	Crude Oil Brent	-ICE Oil-Brent	Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring</cmdty></cmdty>	spot price The spot	Applicabl e. Not Applicabl	Applicable.	Applicabl e Not Applicabl	of trading on the Exchange The close of trading on the
228,13	G55N30 DE000N	Crude Oil Brent	-ICE Oil-Brent	Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant</cmdty></cmdty>	spot price The spot	Applicabl e. Not Applicabl	Applicable.	Applicabl e Not Applicabl	of trading on the Exchange The close of trading on the
228,13	G55N30 DE000N	Crude Oil Brent	-ICE Oil-Brent	Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant</cmdty></cmdty>	spot price The spot	Applicabl e. Not Applicabl	Applicable.	Applicabl e Not Applicabl	of trading on the Exchange The close of trading on the
228,13	DE000N G55N48	Brent Crude Oil	-ICE Oil-Brent -ICE	Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract.</cmdty></cmdty>	spot price The spot	Applicable. Not Applicable.	Applicable. Not Applicable.	Applicabl e Not Applicabl e	of trading on the Exchange The close of trading on the Exchange
228,13 2 228,13	DE000N G55N48	Brent Crude Oil	-ICE Oil-Brent -ICE	Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially</cmdty></cmdty>	The spot price	Not Applicable. Not Applicable.	Applicable.	Applicabl e Not Applicabl e	of trading on the Exchange The close of trading on the Exchange
228,13	DE000N G55N48	Brent Crude Oil	-ICE Oil-Brent -ICE	Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg</cmdty></cmdty>	The spot price	Applicable. Not Applicable.	Applicable. Not Applicable.	Applicabl e Not Applicabl e	of trading on the Exchange The close of trading on the Exchange The close of trading on the Exchange
228,13 2 228,13	DE000N G55N48	Brent Crude Oil	-ICE Oil-Brent -ICE	Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3</cmdty></cmdty>	The spot price	Not Applicable. Not Applicable.	Applicable. Not Applicable.	Applicabl e Not Applicabl e	of trading on the Exchange The close of trading on the Exchange The close of trading on the trading on trad
228,13 2 228,13	DE000N G55N48	Brent Crude Oil	-ICE Oil-Brent -ICE	Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg</cmdty></cmdty>	The spot price	Not Applicabl e. Not Applicabl Applicabl	Applicable. Not Applicable.	Applicabl e Not Applicabl e	of trading on the Exchange The close of trading on the Exchange The close of trading on the trading on trad
228,13 2 228,13	DE000N G55N48	Brent Crude Oil	-ICE Oil-Brent -ICE	Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3</cmdty></cmdty>	The spot price The spot price	Not Applicabl e. Not Applicabl Applicabl	Applicable. Not Applicable.	Applicabl e Not Applicabl e	of trading on the Exchange The close of trading on the Exchange The close of trading on the Exchange
228,13 2 228,13	DE000N G55N48	Brent Crude Oil	-ICE Oil-Brent -ICE	Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and</cmdty></cmdty></cmdty></cmdty>	The spot price The spot price	Not Applicabl e. Not Applicabl Applicabl	Applicable. Not Applicable.	Applicabl e Not Applicabl e	of trading on the Exchange The close of trading on the Exchange The close of trading on the trading on trad
228,13 2 228,13	DE000N G55N48	Brent Crude Oil	-ICE Oil-Brent -ICE	Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg code: COG3 <cmdty> and after the first Rollover Date</cmdty></cmdty></cmdty></cmdty>	The spot price The spot price	Not Applicabl e. Not Applicabl Applicabl	Applicable. Not Applicable.	Applicabl e Not Applicabl e	of trading on the Exchange The close of trading on the Exchange The close of trading on the trading on trad
228,13 2 228,13	DE000N G55N48	Brent Crude Oil	-ICE Oil-Brent -ICE	Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first</cmdty></cmdty></cmdty></cmdty>	The spot price The spot price	Not Applicabl e. Not Applicabl Applicabl	Applicable. Not Applicable.	Applicabl e Not Applicabl e	of trading on the Exchange The close of trading on the Exchange The close of trading on the trading on trad

		1		to the relevant	1				
				Futures					
				Contract.					
228,13	DE000N	Brent	Oil-Brent			Not	Not	Not	The close
4	G55N63	Crude Oil	-ICE	Bloomberg	The		Applicable.		of trading
	0001100		TOE	code: COG3	spot	e.	търнешоте.	e	on the
				<cmdty> and</cmdty>	price	[.			Exchange
				after the first					Z.reminge
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
				Contract.					
228,13	DE000N	Brent	Oil-Brent			Not	Not	Not	The close
5	G55N71	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
				code: COG3	spot	e.		e	on the
				<cmdty> and</cmdty>	price				Exchange
				after the first					
				Rollover Date					
				the Bloomberg					
				page referring to the relevant					
				Futures					
				Contract.					
228,13	DE000N	Brent	Oil-Brent			Not	Not	Not	The close
6	G55N89	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.		of trading
	G331109	Crude On	-ICE	code: COG3	spot	e.	Applicable.	e	on the
				<cmdty> and</cmdty>	price	[· .			Exchange
				after the first	1				Enemange
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
				Contract.					
	DE000N	1	Oil-Brent			Not	Not		The close
7	G55N97	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
				code: COG3	spot	e.		e	on the
				<cmdty> and</cmdty>	price				Exchange
				after the first					
				Rollover Date					
				the Bloomberg page referring					
				to the relevant					
				Futures					
				Contract.					
228,13	DE000N	Brent	Oil-Brent			Not	Not	Not	The close
8	G55PA7	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
			_	code: COG3	spot	e.	Tepricuoie.	e	on the
				<cmdty> and</cmdty>	price				Exchange
				after the first	[
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
220.12	DECOCCE	D .	0.1.5	Contract.		NT :	NT /) T :	TD1 1
228,13		Brent	Oil-Brent		TI	Not	Not	Not	The close
9	G55PB5	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading

	•								
				code: COG3	spot	e.		e	on the
				<cmdty> and</cmdty>	price				Exchange
				after the first					
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
				Contract.					
228,14	DE000N	Brent	Oil-Brent	Initially		Not	Not	Not	The close
0	G55PC3	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
				code: COG3	spot	e.	11	e	on the
				<cmdty> and</cmdty>	price				Exchange
				after the first					
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
				Contract.					
228,14	DE000N	Brent	Oil-Brent			Not	Not	Not	The close
1	G55PD1	Crude Oil	-ICE	Bloomberg	The		Applicable.		of trading
1	322111	Crude On	ICL	code: COG3	spot		дрисавіе.	e	on the
				<cmdty> and</cmdty>	price	e.		[Exchange
				after the first	price				Exchange
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
				Contract.					
228,14	DE000N	Brent	Oil-Brent			Not	Not	Not	The close
2	G55PE9	Crude Oil	-ICE	Bloomberg	The				of trading
2	GSSPE9	Crude On	-ICE	code: COG3	spot		Applicable.		on the
				<cmdty> and</cmdty>	price	e.		е	
				after the first	price				Exchange
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
220 14	DEOCONT	Duant	O:1 D	Contract.		NI-4	NI-4	NI-4	T1 1
228,14		Brent		Initially		Not	Not	Not	The close
3	G55PF6	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
				code: COG3	spot	e.		e	on the
				<cmdty> and</cmdty>	price				Exchange
				after the first					
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
<u> </u>		<u> </u>	<u> </u>	Contract.	<u> </u>			<u> </u>	
228,14	DE000N	Brent	Oil-Brent	Initially		Not	Not	Not	The close
4	G55PG4	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
				code: COG3	spot	e.	-FF	le 11	on the
				<cmdty> and</cmdty>	price	 		I -	Exchange
				after the first	-				
				Rollover Date					
				the Bloomberg					
	l	l	l	and Disconnocing					

						•	-		
				page referring					
				to the relevant					
				Futures					
				Contract.					
	DE000N	Brent	Oil-Brent			Not	Not	Not	The close
5	G55PH2	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
				code: COG3	spot	e.		e	on the
				<cmdty> and</cmdty>	price				Exchange
				after the first					
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
				Contract.					
228,14	DE000N	Brent	Oil-Brent			Not	Not	Not	The close
6	G55PJ8	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
				code: COG3	spot	e.		e	on the
				<cmdty> and</cmdty>	price				Exchange
				after the first					
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
				Contract.					
	DE000N	Brent	Oil-Brent		TO I	Not	Not	Not	The close
7	G55PK6	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
				code: COG3	spot	e.		e	on the
				<cmdty> and</cmdty>	price				Exchange
				after the first					
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
228,14	DE000N	Brent	Oil-Brent	Contract.		Not	Not	Not	The close
8	G55PL4			Bloomberg	The	Applicabl		Applicabl	of trading
8	GSSPL4	Crude Oil	-ICE	code: COG3	spot	1	Applicable.		on the
				<cmdty> and</cmdty>	price	e.		е	
				after the first	price				Exchange
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
				Contract.					
228,14	DE000N	Brent	Oil-Brent			Not	Not	Not	The close
9	G55PM2	Crude Oil	-ICE	Bloomberg	The	Applicabl		Applicabl	of trading
 	0001 1014	Cruuc On	TOE	code: COG3	spot	1	Applicable.	e	on the
				<cmdty> and</cmdty>	price	e.		[Exchange
				after the first	Pilec				Lachange
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
				Contract.					
228 15	DE000N	Brent	Oil-Brent			Not	Not	Not	The close
440,13	PP00014	Picili	OII-DICHI	11111111111y	I	11101	1101	1101	1110 01030

0	G55PN0	Crude Oil	-ICE	Bloomberg	The	Applicabl	A mm1:1-1	Applicabl	of trading
	GSSENU	Crude Oil	-ICE	code: COG3	spot	e.	Applicable.	e	on the
				<cmdty> and</cmdty>	price	6.			Exchange
				after the first					Latinange
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
				Contract.					
228,15	DE000N	Brent	Oil-Brent			Not	Not	Not	The close
1	G55PP5	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
				code: COG3	spot	e.		e	on the
				<cmdty> and</cmdty>	price				Exchange
				after the first					
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
228,15	DE000N	Brent	Oil-Brent	Contract.		Not	Not	Not	The close
228,13		Crude Oil	-ICE	Bloomberg	The	Applicabl		Applicabl	of trading
[-	G55PQ3	Crude Oil	-ICE	code: COG3	spot		Applicable.	e	on the
				<cmdty> and</cmdty>	price	e.			Exchange
				after the first					Lacitatige
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
				Contract.					
228,15		Brent	Oil-Brent			Not	Not	Not	The close
3	G55PR1	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
				code: COG3	spot	e.		e	on the
				<cmdty> and</cmdty>	price				Exchange
				after the first					
				Rollover Date the Bloomberg					
				page referring					
				to the relevant					
				Futures					
				Contract.					
228,15	DE000N	Brent	Oil-Brent	Initially	 	Not	Not	Not	The close
4	G55PS9	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
				code: COG3	spot	e.	TPPIICUOIC.	e	on the
				<cmdty> and</cmdty>	price				Exchange
				after the first	[
				Rollover Date					
				the Bloomberg					
1	1	I		page referring					
Ī					I	I		1	
				to the relevant					
				Futures					
				Futures Contract.					
228,15	DE000N	Brent	Oil-Brent	Futures Contract. Initially		Not	Not	Not	The close
228,15 5	DE000N G55PT7	Brent Crude Oil	Oil-Brent -ICE	Futures Contract. Initially Bloomberg	The	Not Applicabl	Not Applicable.	Not Applicabl	of trading
		1		Futures Contract. Initially Bloomberg code: COG3	spot				of trading on the
		1		Futures Contract. Initially Bloomberg code: COG3 <cmdty> and</cmdty>		Applicabl		Applicabl	of trading
		1		Futures Contract. Initially Bloomberg code: COG3	spot	Applicabl		Applicabl	of trading on the

			•						
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
				Contract.					
228 15	DE000N	Brent	Oil-Brent			Not	Not	Not	The close
6	G55PU5	Crude Oil	-ICE	Bloomberg	The				of trading
	033103	Crude On	-ICE	code: COG3			Applicable.		on the
					spot	e.		е	
				<cmdty> and</cmdty>	price				Exchange
				after the first					
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
				Contract.					
228,15	DE000N	Brent	Oil-Brent	Initially		Not	Not	Not	The close
7	G55PV3	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
	3331 13		ICE	code: COG3	spot	e.	Аррисаотс.	e	on the
				<cmdty> and</cmdty>	price	[C.		ľ	Exchange
				after the first					Datiming
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
220.15	DEGGOVI	D (O'1 D 4	Contract.		NT /	NT /	NT /	TTI 1
228,15		Brent	Oil-Brent		- T	Not	Not	Not	The close
8	G55PW1	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
				code: COG3	spot	e.		е	on the
				<cmdty> and</cmdty>	price				Exchange
				after the first					
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
				Contract.					
228,15	DE000N	Brent	Oil-Brent	Initially		Not	Not	Not	The close
9	G55PX9	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
	333111		ICE	code: COG3	spot	le.	Аррисаотс.	e	on the
				<cmdty> and</cmdty>	price	[C.		ľ	Exchange
				after the first	Price				Lachange
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
220.16	DEGGGG	D /	0.1 D	Contract.		 NT /	NT /	NT /	TPI 1
228,16		Brent	Oil-Brent			Not	Not	Not	The close
0	G55PY7	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
				code: COG3	spot	e.		e	on the
				<cmdty> and</cmdty>	price				Exchange
				after the first					
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
				Contract.					
			1		1				

000 11	DECOC:-	i s	0.11.75	T 1.1 11		13.7	37 .	1.7	- I
1 . 1		Brent	Oil-Brent		771	Not	Not	Not	The close
1	G55PZ4	Crude Oil	-ICE	Bloomberg	The		Applicable.	Applicabl	of trading
				code: COG3	spot	e.		e	on the
				<cmdty> and</cmdty>	price				Exchange
				after the first					_
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
				Contract.					
228,16	DE000N	Brent	Oil-Brent			Not	Not	Not	The close
		l		•	T1				I I
2	G55P04	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
				code: COG3	spot	e.		e	on the
				<cmdty> and</cmdty>	price				Exchange
				after the first					
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
				Contract.					
228,16	DE000N	Brent	Oil-Brent	Initially		Not	Not	Not	The close
3	G55P12	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
				code: COG3	spot	e.	ipplication.	e	on the
				<cmdty> and</cmdty>	price	l C.			Exchange
				after the first	F				Exendinge
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
220.16	DECOON	D (O'I D 4	Contract.		NT /	NT /	NT 4	771 1
228,16		Brent	Oil-Brent		TT1	Not	Not	Not	The close
4	G55P20	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
				code: COG3	spot	e.		e	on the
				<cmdty> and</cmdty>	price				Exchange
				after the first					
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
				Contract.					
228,16	DE000N	Brent	Oil-Brent	Initially		Not	Not	Not	The close
5	G55P38	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
				code: COG3	spot	e.	- 1771100010.	e	on the
				<cmdty> and</cmdty>	price	 • • • • • • • • • • • • • • • • • • •		_	Exchange
				after the first					Datinge
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
			0.11 =	Contract.					
228,16	DE000N	Brent		Initially		Not	Not	Not	The close
6	G55P46	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
				code: COG3	spot	e.		e	on the
				<cmdty> and</cmdty>	price				Exchange
				after the first					
	•		•		•				

				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
				Contract.					
228,16	DE000N	Brent	Oil-Brent			Not	Not	Not	The close
7	G55P53	Crude Oil	-ICE	Bloomberg	The		Applicable.		of trading
'	G551 55	Crude On	-ICL	code: COG3	spot	e.	Аррисавіе.	e	on the
				<cmdty> and</cmdty>	price	e.			Exchange
				after the first	price				Exchange
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
220.16	550001		0.11.12	Contract.			•	3.7	
-	DE000N	Brent	Oil-Brent			Not	Not	Not	The close
8	G55P61	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
				code: COG3	spot	e.		e	on the
				<cmdty> and</cmdty>	price				Exchange
				after the first					
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
				Contract.					
228,16	DE000N	Brent	Oil-Brent	Initially		Not	Not	Not	The close
9	G55P79	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
				code: COG3	spot	e.	11	e	on the
				<cmdty> and</cmdty>	price				Exchange
				after the first					
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
				Contract.					
228,17	DE000N	Brent	Oil-Brent			Not	Not	Not	The close
0	G55P87	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
1	322107	Stude Off	I LOL	code: COG3	spot	e.	Applicable.	е	on the
				<cmdty> and</cmdty>	price	[c.		ľ	Exchange
				after the first	1				Lachange
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
220 17	DEOCONT	D	O.1 D	Contract.	<u> </u>	NI-4	NI_4	NI-A	Th 1
228,17	DE000N	Brent	Oil-Brent			Not	Not	Not	The close
1	G55P95	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
				code: COG3	spot	e.		e	on the
				<cmdty> and</cmdty>	price				Exchange
				after the first					
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					

				Contract.					
228,17	DE000N	Brent	Oil-Brent	Initially		Not	Not	Not	The close
2	G55QA5	Crude Oil	-ICE	Bloomberg code: COG3 <cmdty> and after the first Rollover Date</cmdty>	The spot price	Applicabl e.	Applicable.	Applicabl e	of trading on the Exchange
				the Bloomberg page referring to the relevant Futures Contract.					
228,17	DE000N	Brent	Oil-Brent			Not	Not	Not	The close
3	G55QB3	Crude Oil	-ICE	Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant</cmdty>	The spot price	Applicabl e.	Applicable.	Applicabl e	of trading on the Exchange
				Futures					
220 17	DE000N	Brent	0'1 D 4	Contract.		NI. 4	Not	Not	TP1 1
228,17	G55QC1	Crude Oil	Oil-Brent -ICE	Initially Bloomberg	The	Not Applicabl	Not Applicable.	Applicabl	The close of trading
ļ ·	d33QC1	Crude On	-ICL	code: COG3	spot	e.	Аррисавіе.	e	on the
				<cmdty> and</cmdty>	price	· ·			Exchange
				after the first					
				Rollover Date					
				the Bloomberg					
				page referring to the relevant					
				Futures					
				Contract.					
228,17	DE000N	Brent	Oil-Brent	Initially		Not	Not	Not	The close
5	G55QD9	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
				code: COG3 <cmdty> and</cmdty>	spot price	e.		е	on the Exchange
				after the first	price				Exchange
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant Futures					
				Contract.					
228,17	DE000N	Brent	Oil-Brent	Initially		Not	Not	Not	The close
6	G55QE7	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
				code: COG3 <cmdty> and</cmdty>	spot price	e.		e	on the
				after the first	Pilee				Exchange
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant Futures					
				Contract.					
228,17	DE000N	Brent	Oil-Brent	Initially		Not	Not	Not	The close
7	G55QF4	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
				code: COG3	spot	e.		e	on the
				<cmdty> and</cmdty>	price				Exchange

				after the first					
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
				Contract.					
228,17		Brent	Oil-Brent			Not	Not	Not	The close
8	G55QG2	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
				code: COG3	spot	e.		e	on the
				<cmdty> and</cmdty>	price				Exchange
				after the first					
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
229 17	DE000N	Brent	O:1 D4	Contract.		NT - 4	NI-4	NI-4	Th1
228,17			Oil-Brent		The	Not	Not	Not	The close
7	G55QH0	Crude Oil	-ICE	Bloomberg code: COG3			Applicable.		of trading on the
				<cmdty> and</cmdty>	spot price	e.		e	
				after the first	price				Exchange
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
				Contract.					
228,18	DE000N	Brent	Oil-Brent			Not	Not	Not	The close
0	G55QJ6	Crude Oil	-ICE	Bloomberg	The		Applicable.		of trading
	300 400		102	code: COG3	spot	e.	пррисаетс.	e	on the
				<cmdty> and</cmdty>	price	•			Exchange
				after the first	1				8
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
				Contract.					
228,18		Brent	Oil-Brent			Not	Not	Not	The close
1	G55QK4	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
				code: COG3	spot	e.		e	on the
				<cmdty> and</cmdty>	price				Exchange
				after the first					
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
220 10	DECOON	Duoret	Oil Decent	Contract.	<u> </u>	No.4	Nat	Not	The -1.
228,18		Brent	Oil-Brent		The	Not	Not	Not	The close
2	G55QL2	Crude Oil	-ICE	Bloomberg code: COG3		Applicabl	Applicable.	Applicabl	of trading on the
					spot	e.		e	
1		1		<cmdty> and</cmdty>	price				Exchange
1				loften the first					
				after the first					
				Rollover Date					
				Rollover Date the Bloomberg					
				Rollover Date					

				Futures		1			
				Contract.					
228,18	DE000N G55QM0	Brent Crude Oil	Oil-Brent -ICE		The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,18	G55QN8	Brent Crude Oil	Oil-Brent -ICE	Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract.</cmdty>	The spot price	e.	Not Applicable.	e	The close of trading on the Exchange
228,18	DE000N G55QP3	Brent Crude Oil	Oil-Brent -ICE	Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract.</cmdty>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
6			Oil-Brent -ICE	Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract.</cmdty>	The spot price	e.	Not Applicable.	е	The close of trading on the Exchange
228,18	G55QR9	Brent Crude Oil	Oil-Brent -ICE	Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract.</cmdty>	The spot price	е.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,18	DE000N G55QS7	Brent Crude Oil	Oil-Brent -ICE	Initially Bloomberg code: COG3	The spot	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the

	1	 	1	∠C1μ> 1				1	- ·
				<cmdty> and after the first</cmdty>	price				Exchange
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
				Contract.					
228,18	DE000N	Brent	Oil-Brent		<u> </u>	Not	Not	Not	The close
9	G55QT5	Crude Oil	-ICE	Bloomberg	The		Applicable.	Applicabl	of trading
	=== \			code: COG3	spot	e.	тършеноте.	e	on the
				<cmdty> and</cmdty>	price	-			Exchange
				after the first					
				Rollover Date					1
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
220.10	DEGGGG	D .	0.1 5	Contract.	ļ	NT /	27.	3.7	TTI 1
228,19		Brent	Oil-Brent		TI	Not	Not	Not	The close
0	G55QU3	Crude Oil	-ICE	Bloomberg	The		Applicable.	Applicabl	of trading on the
				code: COG3	spot	e.		e	
				<cmdty> and after the first</cmdty>	price				Exchange
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
				Contract.					
228,19	DE000N	Brent	Oil-Brent			Not	Not	Not	The close
1	G55QV1	Crude Oil	-ICE	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
				code: COG3	spot	e.		e	on the
				<cmdty> and</cmdty>	price	1			Exchange
	I		Ī	after the first					۱ .
1									
				Rollover Date					
				Rollover Date the Bloomberg					
				Rollover Date the Bloomberg page referring					
				Rollover Date the Bloomberg page referring to the relevant					
				Rollover Date the Bloomberg page referring to the relevant Futures					
228 19	DE000N	Brent	Oil-Brent	Rollover Date the Bloomberg page referring to the relevant Futures Contract.		Not	Not	Not	The close
228,19	DE000N G550W9	Brent Crude Oil	Oil-Brent	Rollover Date the Bloomberg page referring to the relevant Futures Contract.	The	Not Applicabl	Not Applicable	Not Applicabl	The close of trading
	DE000N G55QW9	Brent Crude Oil	Oil-Brent -ICE	Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg	The spot	Applicabl	Not Applicable.	Applicabl	The close of trading on the
				Rollover Date the Bloomberg page referring to the relevant Futures Contract.	spot				of trading on the
				Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3		Applicabl		Applicabl	of trading
				Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and</cmdty>	spot	Applicabl		Applicabl	of trading on the
				Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first</cmdty>	spot	Applicabl		Applicabl	of trading on the
				Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date</cmdty>	spot	Applicabl		Applicabl	of trading on the
				Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant</cmdty>	spot	Applicabl		Applicabl	of trading on the
				Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures</cmdty>	spot	Applicabl		Applicabl	of trading on the
2	G55QW9	Crude Oil	-ICE	Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract.</cmdty>	spot	Applicabl e.	Applicable.	Applicabl e	of trading on the Exchange
228,19	G55QW9 DE000N	Crude Oil Brent	-ICE Oil-Brent	Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially</cmdty>	spot price	Applicabl e.	Applicable.	Applicabl e	of trading on the Exchange
2	G55QW9	Crude Oil	-ICE	Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg</cmdty>	spot price	Applicabl e.	Applicable.	Applicabl e	of trading on the Exchange The close of trading
228,19	G55QW9 DE000N	Crude Oil Brent	-ICE Oil-Brent	Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3</cmdty>	spot price The spot	Applicabl e.	Applicable.	Applicabl e	of trading on the Exchange The close of trading on the
228,19	G55QW9 DE000N	Crude Oil Brent	-ICE Oil-Brent	Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and</cmdty></cmdty>	spot price	Applicabl e. Not Applicabl	Applicable.	Applicabl e Not Applicabl	of trading on the Exchange The close of trading
228,19	G55QW9 DE000N	Crude Oil Brent	-ICE Oil-Brent	Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first</cmdty></cmdty>	spot price The spot	Applicabl e. Not Applicabl	Applicable.	Applicabl e Not Applicabl	of trading on the Exchange The close of trading on the
228,19	G55QW9 DE000N	Crude Oil Brent	-ICE Oil-Brent	Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date</cmdty></cmdty></cmdty>	spot price The spot	Applicabl e. Not Applicabl	Applicable.	Applicabl e Not Applicabl	of trading on the Exchange The close of trading on the
228,19	G55QW9 DE000N	Crude Oil Brent	-ICE Oil-Brent	Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first Rollover Date the Bloomberg page referring to the relevant Futures Contract. Initially Bloomberg code: COG3 <cmdty> and after the first</cmdty></cmdty>	spot price The spot	Applicabl e. Not Applicabl	Applicable.	Applicabl e Not Applicabl	of trading on the Exchange The close of trading on the

				to the relevant Futures Contract.					
228,19 4	DE000N G55QY5	Gold	Gold-Spo t	GOLD SPOT \$/OZ (Bloomberg code: XAU <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,19	DE000N G55QZ2	Gold	Gold-Spo t	GOLD SPOT \$/OZ (Bloomberg code: XAU <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,19	DE000N G55Q03	Gold	Gold-Spo t	GOLD SPOT \$/OZ (Bloomberg code: XAU <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,19 7	DE000N G55Q11	Gold	Gold-Spo t	GOLD SPOT \$/OZ (Bloomberg code: XAU <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,19	DE000N G55Q29	Gold	Gold-Spo t	GOLD SPOT \$/OZ (Bloomberg code: XAU <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,19	DE000N G55Q37	Gold	Gold-Spo t	GOLD SPOT \$/OZ (Bloomberg code: XAU <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,20	DE000N G55Q45	Gold	Gold-Spo t	GOLD SPOT \$/OZ (Bloomberg code: XAU <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,20	DE000N G55Q52	Gold	Gold-Spo t	GOLD SPOT \$/OZ (Bloomberg code: XAU <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,20	DE000N G55Q60	Gold	Gold-Spo t	GOLD SPOT \$/OZ (Bloomberg code: XAU <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,20 3	DE000N G55Q78	Gold	Gold-Spo t	GOLD SPOT \$/OZ	The	Not Applicabl	Not Applicable.	Not Applicabl	The close of trading

				(Bloomberg code: XAU <crncy>)</crncy>	spot price	e.		e	on the Exchange
228,20 4	DE000N G55Q86	Gold	Gold-Spo t	GOLD SPOT \$/OZ (Bloomberg code: XAU <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,20 5	DE000N G55Q94	Gold	Gold-Spo t	GOLD SPOT \$/OZ (Bloomberg code: XAU <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,20 6	DE000N G55RA3	Gold	Gold-Spo t	GOLD SPOT \$/OZ (Bloomberg code: XAU <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,20 7	DE000N G55RB1	Gold	Gold-Spo t	GOLD SPOT \$/OZ (Bloomberg code: XAU <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,20 8	DE000N G55RC9	Gold	Gold-Spo t	GOLD SPOT \$/OZ (Bloomberg code: XAU <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
	DE000N G55RD7	Gold	Gold-Spo t	GOLD SPOT \$/OZ (Bloomberg code: XAU <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,21 0	DE000N G55RE5	Gold	Gold-Spo t	GOLD SPOT \$/OZ (Bloomberg code: XAU <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,21 1	DE000N G55RF2	Gold	Gold-Spo t	GOLD SPOT \$/OZ (Bloomberg code: XAU <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,21	DE000N G55RG0	Gold	Gold-Spo t	GOLD SPOT \$/OZ (Bloomberg code: XAU <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,21	DE000N	Natural	Natural	Initially		Not	Not	Not	The close

2	CEEDIIO	C	Gas-NY	Dloomborg	The	Annliaghl	A 1' 1.1	Applicabl	of trading
3	G55RH8	Gas		Bloomberg code: NGF23			Applicable.	1	of trading on the
			MEX		spot	e.		е	
				<cmdty> and</cmdty>	price				Exchange
				after the first					
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
				Contract.					
228,21	DE000N	Natural	Natural	Initially		Not	Not	Not	The close
4	G55RJ4	Gas	Gas-NY	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
		""	MEX	code: NGF23	spot	e.	търпецоте.	le 11	on the
			111211	<cmdty> and</cmdty>	price	C.			Exchange
				after the first	r				Exchange
				Rollover Date					
				the Bloomberg					
				page referring to the relevant					
				Futures					
220 -	D.D.O.O.O.	NT	3.7	Contract.	ļ		37		TD1 1
228,21	DE000N	Natural	Natural	Initially		Not	Not	Not	The close
5	G55RK2	Gas	Gas-NY	Bloomberg	The	Applicabl	Applicable.	Applicabl	of trading
			MEX	code: NGF23	spot	e.		e	on the
				<cmdty> and</cmdty>	price				Exchange
				after the first					_
				Rollover Date					
				the Bloomberg					
				page referring					
				to the relevant					
				Futures					
				Contract.					
228,21	DE000N	Silver	Silver-Sp	SILVER		Not	Not	Not	The close
6	G55RL0		ot	SPOT \$/OZ	The	Applicabl	Applicable.	Applicabl	of trading
	GJJKLU		01	(Bloomberg	spot		Applicable.	e	on the
				code: XAG	price	e.		1	Exchange
				<crncy>)</crncy>	price				Exchange
				\Cincy> j					
220.21	DEGGOVI	G'1	G'1 G	CHATED		NT 4	NT /	NT 4	TT1 1
228,21	DE000N	Silver	Silver-Sp	SILVER	mi.	Not	Not	Not	The close
7	G55RM8		ot	SPOT \$/OZ	The	Applicabl	Applicable.	Applicabl	of trading
				(Bloomberg	spot	e.		e	on the
				code: XAG	price				Exchange
				<crncy>)</crncy>					
					<u></u>			<u> </u>	
228,21	DE000N	Silver	Silver-Sp	SILVER		Not	Not	Not	The close
8	G55RN6		ot	SPOT \$/OZ	The	Applicabl	Applicable.	Applicabl	of trading
				(Bloomberg	spot	e.	FF	le Tr	on the
				code: XAG	price				Exchange
				<crncy>)</crncy>	1				
				- ', ,					
228,21	DE000N	C:1	Cilvon Ca	SILVER	1	Not	Not	Not	The close
		Silver	Silver-Sp		Tl				
9	G55RP1		ot	SPOT \$/OZ	The	Applicabl	Applicable.	Applicabl	of trading
				(Bloomberg	spot	e.		e	on the
				code: XAG	price				Exchange
				<crncy>)</crncy>					
228,22	DE000N	Silver	Silver-Sp	SILVER		Not	Not	Not	The close
0	G55RQ9		ot	SPOT \$/OZ	The	Applicabl	Applicable.	Applicabl	of trading
	 			(Bloomberg	spot	e.	11	e	on the
				code: XAG	price				
		•		•	• •				

				<crncy>)</crncy>					Exchange
228,22	DE000N G55RR7	Silver	Silver-Sp ot	SILVER SPOT \$/OZ (Bloomberg code: XAG <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,22	DE000N G55RS5	Silver	Silver-Sp ot	SILVER SPOT \$/OZ (Bloomberg code: XAG <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,22	DE000N G55RT3	Silver	Silver-Sp ot	SILVER SPOT \$/OZ (Bloomberg code: XAG <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,22	DE000N G55RU1	Silver	Silver-Sp ot	SILVER SPOT \$/OZ (Bloomberg code: XAG <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,22	DE000N G55RV9	Silver	Silver-Sp ot	SILVER SPOT \$/OZ (Bloomberg code: XAG <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,22	DE000N G55RW7	Silver	Silver-Sp ot	SILVER SPOT \$/OZ (Bloomberg code: XAG <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,22	DE000N G55RX5	Silver	Silver-Sp ot	SILVER SPOT \$/OZ (Bloomberg code: XAG <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,22	DE000N G55RY3	Silver	Silver-Sp ot	SILVER SPOT \$/OZ (Bloomberg code: XAG <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,22	DE000N G55RZ0	Silver	Silver-Sp ot	SILVER SPOT \$/OZ (Bloomberg code: XAG <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,23	DE000N G55R02	Silver	Silver-Sp ot	SILVER SPOT \$/OZ (Bloomberg	The spot	Not Applicabl	Not Applicable.	Not Applicabl	The close of trading on the

		1		code: XAG	price	e.		e	Exchange
				<crncy>)</crncy>					
228,23	DE000N G55R10	Silver	Silver-Sp ot	SILVER SPOT \$/OZ (Bloomberg code: XAG <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,23	DE000N G55R28	Silver	Silver-Sp ot	SILVER SPOT \$/OZ (Bloomberg code: XAG <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,23	DE000N G55R36	Silver	Silver-Sp ot	SILVER SPOT \$/OZ (Bloomberg code: XAG <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,23 4	DE000N G55R44	Silver	Silver-Sp ot	SILVER SPOT \$/OZ (Bloomberg code: XAG <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,23 5	DE000N G55R51	Silver	Silver-Sp ot	SILVER SPOT \$/OZ (Bloomberg code: XAG <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,23	DE000N G55R69	Silver	Silver-Sp ot	SILVER SPOT \$/OZ (Bloomberg code: XAG <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,23 7	DE000N G55R77	Silver	Silver-Sp ot	SILVER SPOT \$/OZ (Bloomberg code: XAG <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,23 8	DE000N G55R85	Silver	Silver-Sp ot	SILVER SPOT \$/OZ (Bloomberg code: XAG <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,23 9	DE000N G55R93	Silver	Silver-Sp ot	SILVER SPOT \$/OZ (Bloomberg code: XAG <crncy>)</crncy>	The spot price	Not Applicabl e.	Not Applicable.	Not Applicabl e	The close of trading on the Exchange
228,24 0	DE000N	Silver	Silver-Sp	SILVER SPOT \$/OZ	The	Not Applicabl	Not	Not Applicabl	The close of trading

	G55SA1	ot	(Bloomberg code: XAG <crncy>)</crncy>	spot price	e.	Applicable.	e	on the Exchange
28	Fund Certificate	Provisions		Not A	pplicable			
29	Government Bor	nd Certificate I	Provisions	Not A	pplicable			
30	Other Bond Cert	tificate Provisi	ons	Not A	pplicable			
31	Index Futures Co	ertificate Provi	sions	Not A	pplicable			
Signe	d on behalf of the Iss	suer:						
Ву:								
Duly o	authorised							
Ву:								
Duly o	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
--

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.
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>
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>

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
DE000NG55NR6	Not Applicable	NG55NR
DE000NG55NS4	Not Applicable	NG55NS
DE000NG55NT2	Not Applicable	NG55NT
DE000NG55NU0	Not Applicable	NG55NU
DE000NG55NV8	Not Applicable	NG55NV
DE000NG55NW6	Not Applicable	NG55NW
DE000NG55NX4	Not Applicable	NG55NX
DE000NG55NY2	Not Applicable	NG55NY
DE000NG55NZ9	Not Applicable	NG55NZ
DE000NG55N06	Not Applicable	NG55N0
DE000NG55N14	Not Applicable	NG55N1
DE000NG55N22	Not Applicable	NG55N2
DE000NG55N30	Not Applicable	NG55N3
DE000NG55N48	Not Applicable	NG55N4
DE000NG55N55	Not Applicable	NG55N5
DE000NG55N63	Not Applicable	NG55N6
DE000NG55N71	Not Applicable	NG55N7
DE000NG55N89	Not Applicable	NG55N8
DE000NG55N97	Not Applicable	NG55N9
DE000NG55PA7	Not Applicable	NG55PA
DE000NG55PB5	Not Applicable	NG55PB

DE000NG55PC3	NI-4 A1:1-1-	NOSSBO
DE000NG55PD1	Not Applicable	NG55PC
DE000NG55PE9	Not Applicable	NG55PD
DE000NG55PF6	Not Applicable	NG55PE
DE000NG55PG4	Not Applicable	NG55PF
	Not Applicable	NG55PG
DE000NG55PH2	Not Applicable	NG55PH
DE000NG55PJ8	Not Applicable	NG55PJ
DE000NG55PK6	Not Applicable	NG55PK
DE000NG55PL4	Not Applicable	NG55PL
DE000NG55PM2	Not Applicable	NG55PM
DE000NG55PN0	Not Applicable	NG55PN
DE000NG55PP5	Not Applicable	NG55PP
DE000NG55PQ3	Not Applicable	NG55PQ
DE000NG55PR1	Not Applicable	NG55PR
DE000NG55PS9	Not Applicable	NG55PS
DE000NG55PT7	Not Applicable	NG55PT
DE000NG55PU5	Not Applicable	NG55PU
DE000NG55PV3	Not Applicable	NG55PV
DE000NG55PW1	Not Applicable	NG55PW
DE000NG55PX9	Not Applicable	NG55PX
DE000NG55PY7	Not Applicable	NG55PY
DE000NG55PZ4	Not Applicable	NG55PZ
DE000NG55P04	Not Applicable	NG55P0
DE000NG55P12	Not Applicable	NG55P1
DE000NG55P20	Not Applicable	NG55P2
DE000NG55P38	Not Applicable	NG55P3
DE000NG55P46	Not Applicable	NG55P4
DE000NG55P53	Not Applicable	NG55P5
DE000NG55P61	Not Applicable	NG55P6
DE000NG55P79	Not Applicable	NG55P7
DE000NG55P87	Not Applicable	NG55P8
DE000NG55P95	Not Applicable	NG55P9
DE000NG55QA5	Not Applicable	NG55QA
DE000NG55QB3	Not Applicable	NG55QB
DE000NG55QC1	Not Applicable	NG55QC
DE000NG55QD9	Not Applicable	NG55QD
DE000NG55QE7	Not Applicable	NG55QE
DE000NG55QF4	Not Applicable	NG55QF
DE000NG55QG2	Not Applicable	NG55QG
DE000NG55QH0	Not Applicable	NG55QH
DE000NG55QJ6	Not Applicable	NG55QJ
DE000NG55QK4	Not Applicable	NG55QK
DE000NG55QL2	Not Applicable	NG55QL
DE000NG55QM0	Not Applicable	NG55QM
DE000NG55QN8	Not Applicable	NG55QN
DE000NG55QP3	Not Applicable	NG55QP
DE000NG55QQ1	Not Applicable	NG55QQ
DE000NG55QR9	Not Applicable	NG55QR
DE000NG55QS7	Not Applicable	NG55QS
DE000NG55QT5	Not Applicable	NG55QT
DE000NG55QU3	Not Applicable	NG55QU
DE000NG55QV1	Not Applicable	NG55QV
`	İ 11	12.000 4.

DE000NG55QW9	Not Applicable	NG55QW
DE000NG55QX7	Not Applicable	NG55QX
DE000NG55QY5	Not Applicable	NG55QY
DE000NG55QZ2	Not Applicable	NG55QZ
DE000NG55Q03	Not Applicable	NG55Q0
DE000NG55Q11	Not Applicable	NG55Q1
DE000NG55Q29	Not Applicable	NG55Q2
DE000NG55Q37	Not Applicable	NG55Q3
DE000NG55Q45	Not Applicable	NG55Q4
DE000NG55Q52	Not Applicable	NG55Q5
DE000NG55Q60	Not Applicable	NG55Q6
DE000NG55Q78	Not Applicable	NG55Q7
DE000NG55Q86	Not Applicable	NG55Q8
DE000NG55Q94	Not Applicable	NG55Q9
DE000NG55RA3	Not Applicable	NG55RA
DE000NG55RB1	Not Applicable	NG55RB
DE000NG55RC9	Not Applicable	NG55RC
DE000NG55RD7	Not Applicable	NG55RD
DE000NG55RE5	Not Applicable	NG55RE
DE000NG55RF2	Not Applicable	NG55RF
DE000NG55RG0	Not Applicable	NG55RG
DE000NG55RH8	Not Applicable	NG55RH
DE000NG55RJ4	Not Applicable	NG55RJ
DE000NG55RK2	Not Applicable	NG55RK
DE000NG55RL0	Not Applicable	NG55RL
DE000NG55RM8	Not Applicable	NG55RM
DE000NG55RN6	Not Applicable	NG55RN
DE000NG55RP1	Not Applicable	NG55RP
DE000NG55RQ9	Not Applicable	NG55RQ
DE000NG55RR7	Not Applicable	NG55RR
DE000NG55RS5	Not Applicable	NG55RS
DE000NG55RT3	Not Applicable	NG55RT
DE000NG55RU1	Not Applicable	NG55RU
DE000NG55RV9	Not Applicable	NG55RV
DE000NG55RW7	Not Applicable	NG55RW
DE000NG55RX5	Not Applicable	NG55RX
DE000NG55RY3	Not Applicable	NG55RY
DE000NG55RZ0	Not Applicable	NG55RZ
DE000NG55R02	Not Applicable	NG55R0
DE000NG55R10	Not Applicable	NG55R1
DE000NG55R28	Not Applicable	NG55R2
DE000NG55R36	Not Applicable	NG55R3
DE000NG55R44	Not Applicable	NG55R4
DE000NG55R51	Not Applicable	NG55R5
DE000NG55R69	Not Applicable	NG55R6
DE000NG55R77	Not Applicable	NG55R7
DE000NG55R85	Not Applicable	NG55R8
DE000NG55R93	Not Applicable	NG55R9
DE000NG55SA1	Not Applicable	NG55SA

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:	Not 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