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

Series number of the	WKN Code	ISIN Code	Number of Certificates being issued	Title
Certificates	12777477	D = 0.001 = 0.00		
226,777	NG54G9	DE000NG54G97	1,000,000	ING Short Commodity Open End Turbo Certificate
226,778	NG54HA	DE000NG54HA7	1,000,000	ING Short Commodity Open End Turbo
			1,000,000	Certificate
226,779	NG54HB	DE000NG54HB5	1,000,000	ING Short Commodity Open End Turbo
,				Certificate
226,780	NG54HC	DE000NG54HC3	1,000,000	ING Short Commodity Open End Turbo
				Certificate
226,781	NG54HD	DE000NG54HD1	1,000,000	ING Short Commodity Open End Turbo
				Certificate
226,782	NG54HE	DE000NG54HE9	1,000,000	ING Short Commodity Open End Turbo
1				Certificate
226,783	NG54HF	DE000NG54HF6	1,000,000	ING Short Commodity Open End Turbo
1				Certificate
226,784	NG54HG	DE000NG54HG4	1,000,000	ING Short Commodity Open End Turbo
				Certificate
226,785	NG54HH	DE000NG54HH2	1,000,000	ING Short Commodity Open End Turbo
				Certificate
226,786	NG54HJ	DE000NG54HJ8	1,000,000	ING Short Commodity Open End Turbo
				Certificate
226,787	NG54HK	DE000NG54HK6	1,000,000	ING Short Commodity Open End Turbo
				Certificate
226,788	NG54HL	DE000NG54HL4	1,000,000	ING Short Commodity Open End Turbo
				Certificate
226,789	NG54HM	DE000NG54HM2	1,000,000	ING Short Commodity Open End Turbo
	110511111			Certificate
226,790	NG54HN	DE000NG54HN0	1,000,000	ING Short Commodity Open End Turbo
	NGSAUD	DECOMPOSITIOS	1	Certificate
226,791	NG54HP	DE000NG54HP5	1,000,000	ING Short Commodity Open End Turbo
224 722	NOTALIO	DEGOONGEARIO	1,000,000	Certificate
226,792	NG54HQ	DE000NG54HQ3	1,000,000	ING Short Commodity Open End Turbo
227.702	NG54HR	DE000NG54HR1	1 000 000	Certificate
226,793	NG34fik	DE000NG34RKI	1,000,000	ING Short Commodity Open End Turbo
226.704	NC54HC	DE000MC54HS0	1 000 000	Certificate
226,794	NG54HS	DE000NG54HS9	1,000,000	ING Short Commodity Open End Turbo
226 705	NG54HT	DE000NG54HT7	1 000 000	Certificate
226,795	11034111	DEUUUNUJ4HI/	1,000,000	ING Short Commodity Open End Turbo
226,796	NG54HU	DE000NG54HU5	1,000,000	Certificate ING Short Commodity Open End Turbo
220,790	INGSAUO	DEUUUNUSAUUS	1,000,000	Certificate
226,797	NG54HV	DE000NG54HV3	1,000,000	ING Short Commodity Open End Turbo
440,191	11037111	DECOMMONATIVS	1,000,000	Certificate
226,798	NG54HW	DE000NG54HW1	1,000,000	ING Short Commodity Open End Turbo
440,170	11037111	DECOMMONATION	1,000,000	Certificate
				I Cartificate

				Certificate
226,800	NG54HY	DE000NG54HY7	1,000,000	ING Short Commodity Open End Turbo
				Certificate
226,801	NG54HZ	DE000NG54HZ4	1,000,000	ING Short Commodity Open End Turbo
-				Certificate
226,802	NG54H0	DE000NG54H05	1,000,000	ING Short Commodity Open End Turbo
				Certificate
226,803	NG54H1	DE000NG54H13	500,000	ING Short Commodity Open End Turbo
,				Certificate
226,804	NG54H2	DE000NG54H21	500,000	ING Short Commodity Open End Turbo
,				Certificate
226,805	NG54H3	DE000NG54H39	500,000	ING Short Commodity Open End Turbo
- ,				Certificate
226,806	NG54H4	DE000NG54H47	500,000	ING Short Commodity Open End Turbo
			200,000	Certificate
226,807	NG54H5	DE000NG54H54	500,000	ING Short Commodity Open End Turbo
220,007			300,000	Certificate Commonty open End Tures
226,808	NG54H6	DE000NG54H62	500,000	ING Short Commodity Open End Turbo
220,000	1100 1110	BE0001(05 11102	300,000	Certificate
226,809	NG54H7	DE000NG54H70	500,000	ING Short Commodity Open End Turbo
220,009	1105 1117	BE00011G3 III70	300,000	Certificate
226,810	NG54H8	DE000NG54H88	500,000	ING Short Commodity Open End Turbo
220,810	11054110	DE00011G54H00	300,000	Certificate
226,811	NG54H9	DE000NG54H96	500,000	ING Short Commodity Open End Turbo
220,611	NG54119	DE00011G341190	300,000	Certificate
226 912	NG54JA	DE000NG54JA3	500,000	
226,812	NG54JA	DEUUUNGS4JAS	300,000	ING Short Commodity Open End Turbo
226.012	NG54JB	DE000NG54JB1	500,000	Certificate
226,813	NG343B	DE000NG34JB1	500,000	ING Short Commodity Open End Turbo
226.014	NC54IC	DE000NG54IC0	500,000	Certificate
226,814	NG54JC	DE000NG54JC9	500,000	ING Short Commodity Open End Turbo
226.015	NG54JD	DE000NG54JD7	500,000	Certificate
226,815	NG34JD	DE000NG34JD/	500,000	ING Short Commodity Open End Turbo
226.016	NG54JE	DE000NG54JE5	500,000	Certificate
226,816	NG34JE	DE000NG34JE3	500,000	ING Short Commodity Open End Turbo
226.017	NO54IE	DE000NG54IE2	500.000	Certificate
226,817	NG54JF	DE000NG54JF2	500,000	ING Short Commodity Open End Turbo
22 (010	NOSAIC	DE000NG54IG0	500,000	Certificate
226,818	NG54JG	DE000NG54JG0	500,000	ING Short Commodity Open End Turbo
22 (0.10	NOCAHI	DECOMMENTAL		Certificate
226,819	NG54JH	DE000NG54JH8	500,000	ING Short Commodity Open End Turbo
22 (22)	NOTALL	DECOMEGALIA		Certificate
226,820	NG54JJ	DE000NG54JJ4	500,000	ING Short Commodity Open End Turbo
	2705177			Certificate
226,821	NG54JK	DE000NG54JK2	500,000	ING Short Commodity Open End Turbo
				Certificate
226,822	NG54JL	DE000NG54JL0	500,000	ING Short Commodity Open End Turbo
				Certificate
226,823	NG54JM	DE000NG54JM8	500,000	ING Short Commodity Open End Turbo
				Certificate
226,824	NG54JN	DE000NG54JN6	500,000	ING Short Commodity Open End Turbo
				Certificate
226,825	NG54JP	DE000NG54JP1	500,000	ING Short Commodity Open End Turbo
				Certificate
226,826	NG54JQ	DE000NG54JQ9	500,000	ING Short Commodity Open End Turbo
				Certificate
226,827	NG54JR	DE000NG54JR7	500,000	ING Short Commodity Open End Turbo

				Certificate
226,828	NG54JS	DE000NG54JS5	200,000	ING Short Commodity Open End Turbo
				Certificate
226,829	NG54JT	DE000NG54JT3	200,000	ING Short Commodity Open End Turbo
-				Certificate
226,830	NG54JU	DE000NG54JU1	200,000	ING Short Commodity Open End Turbo
				Certificate
226,831	NG54JV	DE000NG54JV9	200,000	ING Short Commodity Open End Turbo
,				Certificate
226,832	NG54JW	DE000NG54JW7	200,000	ING Short Commodity Open End Turbo
,				Certificate
226,833	NG54JX	DE000NG54JX5	200,000	ING Short Commodity Open End Turbo
- ,				Certificate
226,834	NG54JY	DE000NG54JY3	200,000	ING Short Commodity Open End Turbo
220,02				Certificate
226,835	NG54JZ	DE000NG54JZ0	200,000	ING Short Commodity Open End Turbo
220,033			200,000	Certificate
226,836	NG54J0	DE000NG54J03	200,000	ING Short Commodity Open End Turbo
220,030	1,03,00	BEOUGH (GS 1003	200,000	Certificate
226,837	NG54J1	DE000NG54J11	200,000	ING Short Commodity Open End Turbo
220,037	1,03,101	BEOUGH CS WII	200,000	Certificate
226,838	NG54J2	DE000NG54J29	200,000	ING Short Commodity Open End Turbo
220,636	1103 132	DE0001103 102)	200,000	Certificate
226,839	NG54J3	DE000NG54J37	200,000	ING Short Commodity Open End Turbo
220,839	1103433	DEGOONGS4357	200,000	Certificate
226,840	NG54J4	DE000NG54J45	200,000	ING Short Commodity Open End Turbo
220,840	1103434	DEGOGRAJAS	200,000	Certificate Commodity Open End Turbo
226 941	NG54J5	DE000NG54J52	200,000	ING Short Commodity Open End Turbo
226,841	1103433	DE00011G34332	200,000	Certificate
226 942	NG54J6	DE000NG54J60	200,000	ING Short Commodity Open End Turbo
226,842	1003430	DE000NG34300	200,000	· · ·
226 942	NG54J7	DE000NG54J78	200,000	Certificate
226,843	1103437	DE000NG34378	200,000	ING Short Commodity Open End Turbo Certificate
226 944	NG54J8	DE000NG54J86	200,000	
226,844	NG5436	DE000NG34380	200,000	ING Short Commodity Open End Turbo
226 945	NG54J9	DE000NG54J94	200,000	Certificate ING Short Commodity Open End Turbo
226,845	1003439	DE000NG34394	200,000	· · ·
226.046	NG54KA	DE000NG54KA1	200,000	Certificate
226,846	NG54KA	DE000NG34KA1	200,000	ING Short Commodity Open End Turbo Certificate
226.047	NG54KB	DE000NG54KB9	200,000	
226,847	NGJ4KB	DE000NG34KB9	200,000	ING Short Commodity Open End Turbo
226.040	NC54KC	DE000NG54KG7	200,000	Certificate
226,848	NG54KC	DE000NG54KC7	200,000	ING Short Commodity Open End Turbo
226040	NCFAKD	DE000NG54KD5	200.000	Certificate
226,849	NG54KD	DE000NG54KD5	200,000	ING Short Commodity Open End Turbo
226020	NOTABLE	DE000MG54KE2		Certificate
226,850	NG54KE	DE000NG54KE3	200,000	ING Short Commodity Open End Turbo
	NOTABLE	DE000MG (ME0		Certificate
226,851	NG54KF	DE000NG54KF0	200,000	ING Short Commodity Open End Turbo
226.25	NOTATE	DEGONICATION	200.000	Certificate
226,852	NG54KG	DE000NG54KG8	200,000	ING Short Commodity Open End Turbo
	N ~ 2 1	DEBOGOTOS :	1	Certificate
226,853	NG54KH	DE000NG54KH6	200,000	ING Short Commodity Open End Turbo
		D.D.O.C.	1	Certificate
226,854	NG54KJ	DE000NG54KJ2	200,000	ING Short Commodity Open End Turbo
				Certificate
226,855	NG54KK	DE000NG54KK0	200,000	ING Short Commodity Open End Turbo

				Certificate
226,856	NG54KL	DE000NG54KL8	200,000	ING Short Commodity Open End Turbo
				Certificate
226,857	NG54KM	DE000NG54KM6	200,000	ING Short Commodity Open End Turbo
				Certificate
226,858	NG54KN	DE000NG54KN4	200,000	ING Short Commodity Open End Turbo
				Certificate
226,859	NG54KP	DE000NG54KP9	200,000	ING Short Commodity Open End Turbo
,				Certificate
226,860	NG54KQ	DE000NG54KQ7	200,000	ING Short Commodity Open End Turbo
,				Certificate
226,861	NG54KR	DE000NG54KR5	200,000	ING Short Commodity Open End Turbo
-)				Certificate
226,862	NG54KS	DE000NG54KS3	200,000	ING Short Commodity Open End Turbo
				Certificate
226,863	NG54KT	DE000NG54KT1	200,000	ING Short Commodity Open End Turbo
220,003			200,000	Certificate
226,864	NG54KU	DE000NG54KU9	200,000	ING Short Commodity Open End Turbo
220,004	1,03,112	BECOULTES HEED	200,000	Certificate
226,865	NG54KV	DE000NG54KV7	200,000	ING Short Commodity Open End Turbo
220,003	1,03,112,	BECOULTS HEVY	200,000	Certificate
226,866	NG54KW	DE000NG54KW5	200,000	ING Short Commodity Open End Turbo
220,800	TOS IKW	DE00011G5 IR W5	200,000	Certificate
226,867	NG54KX	DE000NG54KX3	200,000	ING Short Commodity Open End Turbo
220,807	NOSTRA	DEGOONGSAKAS	200,000	Certificate
226,868	NG54KY	DE000NG54KY1	200,000	ING Short Commodity Open End Turbo
220,808	NO34K1	DE000NG34K11	200,000	Certificate Commodity Open End Turbo
226.860	NG54KZ	DE000NG54KZ8	200,000	ING Short Commodity Open End Turbo
226,869	NO34KZ	DE000NG34KZ6	200,000	· -
226 970	NG54K0	DE000NG54K00	200,000	Certificate
226,870	NG34K0	DE000NG34K00	200,000	ING Short Commodity Open End Turbo
226 971	NG54K1	DE000NG54K18	200,000	Certificate
226,871	NG34K1	DEUUUNG34K18	200,000	ING Short Commodity Open End Turbo
226 972	NG54K2	DE000NG54K26	200,000	Certificate
226,872	NG34K2	DEUUUNG34K20	200,000	ING Short Commodity Open End Turbo
226 972	NG54K3	DE000NC54K24	200,000	Certificate
226,873	NG34K3	DE000NG54K34	200,000	ING Short Commodity Open End Turbo
226.074	NG54K4	DE000NC54K42	200.000	Certificate
226,874	NG34K4	DE000NG54K42	200,000	ING Short Commodity Open End Turbo
226.075	NICE AILE	DE000NG54K50	200.000	Certificate
226,875	NG54K5	DE000NG54K59	200,000	ING Short Commodity Open End Turbo
226.076	NGFAIZ	DECOMPOSATOS	200.000	Certificate
226,876	NG54K6	DE000NG54K67	200,000	ING Short Commodity Open End Turbo
	NOTARE	DECONICEAUTE		Certificate
226,877	NG54K7	DE000NG54K75	200,000	ING Short Commodity Open End Turbo
	27.5.47.0	D = 0.001 = 0.0110.0		Certificate
226,878	NG54K8	DE000NG54K83	200,000	ING Short Commodity Open End Turbo
				Certificate
226,879	NG54K9	DE000NG54K91	200,000	ING Short Commodity Open End Turbo
		122000000000000000000000000000000000000	1	Certificate
226,880	NG54LA	DE000NG54LA9	200,000	ING Short Commodity Open End Turbo
			1	Certificate
226,881	NG54LB	DE000NG54LB7	200,000	ING Short Commodity Open End Turbo
				Certificate
226,882	NG54LC	DE000NG54LC5	200,000	ING Short Commodity Open End Turbo
				Certificate
226,883	NG54LD	DE000NG54LD3	200,000	ING Short Commodity Open End Turbo

				Certificate
226,884	NG54LE	DE000NG54LE1	200,000	ING Short Commodity Open End Turbo
				Certificate
226,885	NG54LF	DE000NG54LF8	200,000	ING Short Commodity Open End Turbo
-				Certificate
226,886	NG54LG	DE000NG54LG6	200,000	ING Short Commodity Open End Turbo
,				Certificate
226,887	NG54LH	DE000NG54LH4	200,000	ING Short Commodity Open End Turbo
,				Certificate
226,888	NG54LJ	DE000NG54LJ0	200,000	ING Short Commodity Open End Turbo
- ,				Certificate
226,889	NG54LK	DE000NG54LK8	200,000	ING Short Commodity Open End Turbo
,				Certificate
226,890	NG54LL	DE000NG54LL6	200,000	ING Short Commodity Open End Turbo
- ,				Certificate
226,891	NG54LM	DE000NG54LM4	200,000	ING Short Commodity Open End Turbo
,			,	Certificate
226,892	NG54LN	DE000NG54LN2	200,000	ING Short Commodity Open End Turbo
220,072			200,000	Certificate
226,893	NG54LP	DE000NG54LP7	200,000	ING Short Commodity Open End Turbo
220,073			200,000	Certificate
226,894	NG54LQ	DE000NG54LQ5	200,000	ING Short Commodity Open End Turbo
220,074	1.30.20	220001100.200	200,000	Certificate
226,895	NG54LR	DE000NG54LR3	200,000	ING Short Commodity Open End Turbo
220,073	TVG5 ILIC	DE00011G5 IEIG	200,000	Certificate
226,896	NG54LS	DE000NG54LS1	200,000	ING Short Commodity Open End Turbo
220,890	INGSALS	DE00011G54E51	200,000	Certificate
226,897	NG54LT	DE000NG54LT9	200,000	ING Short Commodity Open End Turbo
220,897	INGS-IL1	DEGOOTIGSTETS	200,000	Certificate
226,898	NG54LU	DE000NG54LU7	200,000	ING Short Commodity Open End Turbo
220,898	NGJ-LO	DEGOONGSALO	200,000	Certificate
226,899	NG54LV	DE000NG54LV5	200,000	ING Short Commodity Open End Turbo
220,899	NOSTLV	DEGOORGSALVS	200,000	Certificate
226,900	NG54LW	DE000NG54LW3	200,000	ING Short Commodity Open End Turbo
220,900	NG54LW	DE000NG34EW3	200,000	Certificate
226,901	NG54LX	DE000NG54LX1	200,000	ING Short Commodity Open End Turbo
220,901	NGJALX	DEGOORGSALAT	200,000	Certificate
226,902	NG54LY	DE000NG54LY9	200,000	ING Short Commodity Open End Turbo
220,902	INGS4L1	DEGOORGSALTY	200,000	Certificate
226,903	NG54LZ	DE000NG54LZ6	200,000	ING Short Commodity Open End Turbo
220,903	NGJ-LZ	DE000NG34LZ0	200,000	Certificate
226.004	NG54L0	DE000NG54L09	200,000	ING Short Commodity Open End Turbo
226,904	NG34L0	DE000NG34L09	200,000	· ·
226.005	NG54L1	DE000NG54L17	200,000	Certificate
226,905	NG34L1	DE000NG34L17	200,000	ING Short Commodity Open End Turbo
226.006	NG54L2	DE000NG54L25	200,000	Certificate
226,906	NG54L2	DE000NG54L25	200,000	ING Short Commodity Open End Turbo
22 (22 =	NG54L2	DE000MG54L22		Certificate
226,907	NG54L3	DE000NG54L33	200,000	ING Short Commodity Open End Turbo
	NICEAL A	DECOMPOSAL 41		Certificate
226,908	NG54L4	DE000NG54L41	200,000	ING Short Commodity Open End Turbo
), a	DEBOGRATION TO THE	1	Certificate
226,909	NG54L5	DE000NG54L58	200,000	ING Short Commodity Open End Turbo
			1	Certificate
226,910	NG54L6	DE000NG54L66	200,000	ING Short Commodity Open End Turbo
			1	Certificate
226,911	NG54L7	DE000NG54L74	200,000	ING Short Commodity Open End Turbo

				Certificate
226,912	NG54L8	DE000NG54L82	200,000	ING Short Commodity Open End Turbo
				Certificate
226,913	NG54L9	DE000NG54L90	250,000	ING Short Commodity Open End Turbo
				Certificate
226,914	NG54MA	DE000NG54MA7	250,000	ING Short Commodity Open End Turbo
				Certificate
226,915	NG54MB	DE000NG54MB5	250,000	ING Short Commodity Open End Turbo
				Certificate
226,916	NG54MC	DE000NG54MC3	250,000	ING Short Commodity Open End Turbo
				Certificate
226,917	NG54MD	DE000NG54MD1	250,000	ING Short Commodity Open End Turbo
				Certificate
226,918	NG54ME	DE000NG54ME9	250,000	ING Short Commodity Open End Turbo
				Certificate
226,919	NG54MF	DE000NG54MF6	500,000	ING Short Commodity Open End Turbo
				Certificate
226,920	NG54MG	DE000NG54MG4	500,000	ING Short Commodity Open End Turbo
				Certificate
226,921	NG54MH	DE000NG54MH2	500,000	ING Short Commodity Open End Turbo
				Certificate
226,922	NG54MJ	DE000NG54MJ8	500,000	ING Short Commodity Open End Turbo
				Certificate
226,923	NG54MK	DE000NG54MK6	500,000	ING Short Commodity Open End Turbo
				Certificate
226,924	NG54ML	DE000NG54ML4	500,000	ING Short Commodity Open End Turbo
				Certificate
226,925	NG54MM	DE000NG54MM2	250,000	ING Short Commodity Open End Turbo
				Certificate
226,926	NG54MN	DE000NG54MN0	250,000	ING Short Commodity Open End Turbo
				Certificate
226,927	NG54MP	DE000NG54MP5	250,000	ING Short Commodity Open End Turbo
				Certificate
226,928	NG54MQ	DE000NG54MQ3	250,000	ING Short Commodity Open End Turbo
				Certificate
226,929	NG54MR	DE000NG54MR1	250,000	ING Short Commodity Open End Turbo
				Certificate
226,930	NG54MS	DE000NG54MS9	250,000	ING Short Commodity Open End Turbo
				Certificate
226,931	NG54MT	DE000NG54MT7	250,000	ING Short Commodity Open End Turbo
				Certificate
226,932	NG54MU	DE000NG54MU5	250,000	ING Short Commodity Open End Turbo
				Certificate
226,933	NG54MV	DE000NG54MV3	250,000	ING Short Commodity Open End Turbo
				Certificate
226,934	NG54MW	DE000NG54MW1	250,000	ING Short Commodity Open End Turbo
				Certificate
226,935	NG54MX	DE000NG54MX9	250,000	ING Short Commodity Open End Turbo
				Certificate
226,936	NG54MY	DE000NG54MY7	250,000	ING Short Commodity Open End Turbo
			<u></u>	Certificate
226,937	NG54MZ	DE000NG54MZ4	250,000	ING Short Commodity Open End Turbo
			<u></u>	Certificate
226,938	NG54M0	DE000NG54M08	250,000	ING Short Commodity Open End Turbo
				Certificate
	NG54M1	DE000NG54M16	250,000	ING Short Commodity Open End Turbo

				Certificate
226,940	NG54M2	DE000NG54M24	250,000	ING Short Commodity Open End Turbo
				Certificate
226,941	NG54M3	DE000NG54M32	250,000	ING Short Commodity Open End Turbo
				Certificate
226,942	NG54M4	DE000NG54M40	250,000	ING Short Commodity Open End Turbo
				Certificate
226,943	NG54M5	DE000NG54M57	250,000	ING Short Commodity Open End Turbo
				Certificate
226,944	NG54M6	DE000NG54M65	250,000	ING Short Commodity Open End Turbo
				Certificate
226,945	NG54M7	DE000NG54M73	250,000	ING Short Commodity Open End Turbo
				Certificate
226,946	NG54M8	DE000NG54M81	250,000	ING Short Commodity Open End Turbo
				Certificate
226,947	NG54M9	DE000NG54M99	250,000	ING Short Commodity Open End Turbo
				Certificate
226,948	NG54NA	DE000NG54NA5	250,000	ING Short Commodity Open End Turbo
				Certificate
226,949	NG54NB	DE000NG54NB3	250,000	ING Short Commodity Open End Turbo
				Certificate
226,950	NG54NC	DE000NG54NC1	250,000	ING Short Commodity Open End Turbo
				Certificate
226,951	NG54ND	DE000NG54ND9	250,000	ING Short Commodity Open End Turbo
				Certificate
226,952	NG54NE	DE000NG54NE7	250,000	ING Short Commodity Open End Turbo
				Certificate
226,953	NG54NF	DE000NG54NF4	250,000	ING Short Commodity Open End Turbo
				Certificate
226,954	NG54NG	DE000NG54NG2	250,000	ING Short Commodity Open End Turbo
				Certificate
226,955	NG54NH	DE000NG54NH0	250,000	ING Short Commodity Open End Turbo
				Certificate
226,956	NG54NJ	DE000NG54NJ6	250,000	ING Short Commodity Open End Turbo
				Certificate
226,957	NG54NK	DE000NG54NK4	250,000	ING Short Commodity Open End Turbo
				Certificate

under the Certificates Programme

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

- (i) in those Non-exempt Offer Jurisdictions mentioned in the Paragraph Distribution of Part B below, provided such person is a Dealer or Authorised Offeror (as such 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 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

1	() 0 : 1 01 0 ::	
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:	Not Applicable
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.	Best Certificates (Marketing name: Open End Turbo, Sprinter Best or Turbo Best)
	(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:	22 November 2022
6	Issue Date:	24 November 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 Numb er of the Certifi cates	ISIN Code	Number of Certificate s being issued	Issue price per Certifi cate	Current Financi ng Level on the Trade Date	Curre nt Sprea d on the Trade Date	Maxi mum Sprea d	Current Stop Loss Premiu m Rate on the Trade Date	Maxi mum Premi um	Minim um Premi um	Stop Loss Price on the Trade Date	Stop Loss Price Roun ding	Entit lem ent	Finan cing Level Curre ncy
226,77 7	DE000NG5 4G97	1,000,000	0.04	86.9900 000000	3.5	5.0	7.5	20.0	0.0	86.9900 000000	0.01	0.1	USD
226,77 8	DE000NG5 4HA7	1,000,000	0.07	87.2400 000000	3.5	5.0	7.5	20.0	0.0	87.2400 000000	0.01	0.1	USD
226,77 9	DE000NG5 4HB5	1,000,000	0.09	87.4900 000000	3.5	5.0	7.5	20.0	0.0	87.4900 000000	0.01	0.1	USD
226,78 0	DE000NG5 4HC3	1,000,000	0.11	87.7400 000000	3.5	5.0	7.5	20.0	0.0	87.7400 000000	0.01	0.1	USD
226,78 1	DE000NG5 4HD1	1,000,000	0.14	87.9900 000000	3.5	5.0	7.5	20.0	0.0	87.9900 000000	0.01	0.1	USD
226,78 2	DE000NG5 4HE9	1,000,000	0.16	88.2400 000000	3.5	5.0	7.5	20.0	0.0	88.2400 000000	0.01	0.1	USD
226,78 3	DE000NG5 4HF6	1,000,000	0.19	88.4900 000000	3.5	5.0	7.5	20.0	0.0	88.4900 000000	0.01	0.1	USD
226,78 4	DE000NG5 4HG4	1,000,000	0.21	88.7400 000000	3.5	5.0	7.5	20.0	0.0	88.7400 000000	0.01	0.1	USD
226,78 5	DE000NG5 4HH2	1,000,000	0.24	88.9900 000000	3.5	5.0	7.5	20.0	0.0	88.9900 000000	0.01	0.1	USD

227.79	DEGOONES	1 000 000	0.26	100 2400	12.5	5.0	17.5	1	1	90 2400	1001		*****
226,78 6	DE000NG5 4HJ8	1,000,000	0.26	89.2400 000000	3.5	5.0	7.5	20.0	0.0	89.2400 000000	0.01	0.1	USD
226,78 7	DE000NG5 4HK6	1,000,000	0.29	89.4900 000000	3.5	5.0	7.5	20.0	0.0	89.4900 000000	0.01	0.1	USD
226,78 8	DE000NG5 4HL4	1,000,000	0.31	89.7400 000000	3.5	5.0	7.5	20.0	0.0	89.7400 000000	0.01	0.1	USD
226,78 9	DE000NG5 4HM2	1,000,000	0.33	89.9900 000000	3.5	5.0	7.5	20.0	0.0	89.9900 000000	0.01	0.1	USD
226,79 0	DE000NG5 4HN0	1,000,000	0.36	90.2400 000000	3.5	5.0	7.5	20.0	0.0	90.2400 000000	0.01	0.1	USD
226,79 1	DE000NG5 4HP5	1,000,000	0.38	90.4900 000000	3.5	5.0	7.5	20.0	0.0	90.4900 000000	0.01	0.1	USD
226,79 2	DE000NG5 4HQ3	1,000,000	0.41	90.7400 000000	3.5	5.0	7.5	20.0	0.0	90.7400 000000	0.01	0.1	USD
226,79 3	DE000NG5 4HR1	1,000,000	0.43	90.9900 000000	3.5	5.0	7.5	20.0	0.0	90.9900 000000	0.01	0.1	USD
226,79 4	DE000NG5 4HS9	1,000,000	0.46	91.2400 000000	3.5	5.0	7.5	20.0	0.0	91.2400 000000	0.01	0.1	USD
226,79 5	DE000NG5 4HT7	1,000,000	0.48	91.4900 000000	3.5	5.0	7.5	20.0	0.0	91.4900 000000	0.01	0.1	USD
226,79 6	DE000NG5 4HU5	1,000,000	0.5	91.7400 000000	3.5	5.0	7.5	20.0	0.0	91.7400 000000	0.01	0.1	USD
226,79 7	DE000NG5 4HV3	1,000,000	0.53	91.9900 000000	3.5	5.0	7.5	20.0	0.0	91.9900 000000	0.01	0.1	USD
226,79 8	DE000NG5 4HW1	1,000,000	0.55	92.2400 000000	3.5	5.0	7.5	20.0	0.0	92.2400 000000	0.01	0.1	USD
226,79 9	DE000NG5 4HX9	1,000,000	0.58	92.4900 000000	3.5	5.0	7.5	20.0	0.0	92.4900 000000	0.01	0.1	USD
226,80 0	DE000NG5 4HY7		0.6	92.7400 000000	3.5	5.0	7.5	20.0	0.0	92.7400 000000	0.01	0.1	USD
226,80 1	DE000NG5 4HZ4	, ,	0.63	92.9900 000000	3.5	5.0	7.5	20.0	0.0	92.9900 000000	0.01	0.1	USD
226,80 2	DE000NG5 4H05	1,000,000	0.65	93.2400 000000	3.5	5.0	7.5	20.0	0.0	93.2400 000000	0.01	0.1	USD
226,80	DE000NG5 4H13	500,000	0.08	1743.43 000000 00	3.5	5.0	3.0	20.0	0.0	1743.43 000000 00	0.01	0.1	USD
226,80 4	DE000NG5 4H21	500,000	0.23	1744.93 000000 00	3.5	5.0	3.0	20.0	0.0	1744.93 000000 00	0.01	0.1	USD
226,80 5	DE000NG5 4H39	500,000	0.37	1746.43 000000 00	3.5	5.0	3.0	20.0	0.0	1746.43 000000 00	0.01	0.1	USD
226,80 6	DE000NG5 4H47	500,000	0.52	1747.93 000000 00	3.5	5.0	3.0	20.0	0.0	1747.93 000000 00	0.01	0.1	USD
226,80 7	DE000NG5 4H54	500,000	0.66	1749.43 000000 00	3.5	5.0	3.0	20.0	0.0	1749.43 000000 00	0.01	0.1	USD
226,80 8	DE000NG5 4H62	500,000	0.81	1750.93 000000 00	3.5	5.0	3.0	20.0	0.0	1750.93 000000 00	0.01	0.1	USD
226,80 9	DE000NG5 4H70	500,000	0.96	1752.43 000000 00	3.5	5.0	3.0	20.0	0.0	1752.43 000000 00	0.01	0.1	USD
226,81 0	DE000NG5 4H88	500,000	1.1	1753.93 000000 00	3.5	5.0	3.0	20.0	0.0	1753.93 000000 00	0.01	0.1	USD
226,81	DE000NG5	500,000	1.25	1755.43	3.5	5.0	3.0	20.0	0.0	1755.43	0.01	0.1	USD

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226,81 2	DE000NG5 4JA3	500,000	1.39	1756.93 000000 00	3.5	5.0	3.0	20.0	0.0	1756.93 000000 00	0.01	0.1	USD
226,81 3	DE000NG5 4JB1	500,000	1.54	1758.43 000000 00	3.5	5.0	3.0	20.0	0.0	1758.43 000000 00	0.01	0.1	USD
226,81 4	DE000NG5 4JC9	500,000	1.69	1759.93 000000 00	3.5	5.0	3.0	20.0	0.0	1759.93 000000 00	0.01	0.1	USD
226,81 5	DE000NG5 4JD7	500,000	1.83	1761.43 000000 00	3.5	5.0	3.0	20.0	0.0	1761.43 000000 00	0.01	0.1	USD
226,81 6	DE000NG5 4JE5	500,000	1.98	1762.93 000000 00	3.5	5.0	3.0	20.0	0.0	1762.93 000000 00	0.01	0.1	USD
226,81 7	DE000NG5 4JF2	500,000	2.12	1764.43 000000 00	3.5	5.0	3.0	20.0	0.0	1764.43 000000 00	0.01	0.1	USD
226,81 8	DE000NG5 4JG0	500,000	2.27	1765.93 000000 00	3.5	5.0	3.0	20.0	0.0	1765.93 000000 00	0.01	0.1	USD
226,81 9	DE000NG5 4JH8	500,000	2.42	1767.43 000000 00	3.5	5.0	3.0	20.0	0.0	1767.43 000000 00	0.01	0.1	USD
226,82 0	DE000NG5 4JJ4	500,000	2.56	1768.93 000000 00	3.5	5.0	3.0	20.0	0.0	1768.93 000000 00	0.01	0.1	USD
226,82 1	DE000NG5 4JK2	500,000	2.71	1770.43 000000 00	3.5	5.0	3.0	20.0	0.0	1770.43 000000 00	0.01	0.1	USD
226,82	DE000NG5 4JL0	500,000	2.86	1771.93 000000 00	3.5	5.0	3.0	20.0	0.0	1771.93 000000 00	0.01	0.1	USD
226,82 3	DE000NG5 4JM8	500,000	3.0	1773.43 000000 00	3.5	5.0	3.0	20.0	0.0	1773.43 000000 00	0.01	0.1	USD
226,82 4	DE000NG5 4JN6	500,000	3.15	1774.93 000000 00	3.5	5.0	3.0	20.0	0.0	1774.93 000000 00	0.01	0.1	USD
226,82 5	DE000NG5 4JP1	500,000	3.29	1776.43 000000 00	3.5	5.0	3.0	20.0	0.0	1776.43 000000 00	0.01	0.1	USD
226,82 6	DE000NG5 4JQ9	500,000	3.44	1777.93 000000 00	3.5	5.0	3.0	20.0	0.0	1777.93 000000 00	0.01	0.1	USD
226,82 7	DE000NG5 4JR7	500,000	3.59	1779.43 000000 00	3.5	5.0	3.0	20.0	0.0	1779.43 000000 00	0.01	0.1	USD
226,82 8	DE000NG5 4JS5	200,000	3.03	1937.80 000000 00	3.5	5.0	5.0	20.0	0.0	1937.80 000000 00	0.01	0.1	USD
226,82 9	DE000NG5 4JT3	200,000	3.52	1942.80 000000 00	3.5	5.0	5.0	20.0	0.0	1942.80 000000 00	0.01	0.1	USD
226,83 0	DE000NG5 4JU1	200,000	4.01	1947.80 000000 00	3.5	5.0	5.0	20.0	0.0	1947.80 000000 00	0.01	0.1	USD
226,83	DE000NG5	200,000	4.49	1952.80	3.5	5.0	5.0	20.0	0.0	1952.80	0.01	0.1	USD

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226,83	DE000NG5 4JW7	200,000	4.98	1957.80 000000 00	3.5	5.0	5.0	20.0	0.0	1957.80 000000 00	0.01	0.1	USD
226,83	DE000NG5 4JX5	200,000	5.47	1962.80 000000 00	3.5	5.0	5.0	20.0	0.0	1962.80 000000 00	0.01	0.1	USD
226,83 4	DE000NG5 4JY3	200,000	5.95	1967.80 000000 00	3.5	5.0	5.0	20.0	0.0	1967.80 000000	0.01	0.1	USD
226,83 5	DE000NG5 4JZ0	200,000	6.44	1972.80 000000 00	3.5	5.0	5.0	20.0	0.0	00 1972.80 000000 00	0.01	0.1	USD
226,83 6	DE000NG5 4J03	200,000	6.93	1977.80 000000 00	3.5	5.0	5.0	20.0	0.0	1977.80 000000 00	0.01	0.1	USD
226,83 7	DE000NG5 4J11	200,000	7.42	1982.80 000000 00	3.5	5.0	5.0	20.0	0.0	1982.80 000000 00	0.01	0.1	USD
226,83 8	DE000NG5 4J29	200,000	7.9	1987.80 000000 00	3.5	5.0	5.0	20.0	0.0	1987.80 000000 00	0.01	0.1	USD
226,83 9	DE000NG5 4J37	200,000	8.39	1992.80 000000 00	3.5	5.0	5.0	20.0	0.0	1992.80 000000 00	0.01	0.1	USD
226,84 0	DE000NG5 4J45	200,000	8.88	1997.80 000000 00	3.5	5.0	5.0	20.0	0.0	1997.80 000000 00	0.01	0.1	USD
226,84 1	DE000NG5 4J52	200,000	9.36	2002.80 000000 00	3.5	5.0	5.0	20.0	0.0	2002.80 000000 00	0.01	0.1	USD
226,84 2	DE000NG5 4J60	200,000	9.85	2007.80 000000 00	3.5	5.0	5.0	20.0	0.0	2007.80 000000 00	0.01	0.1	USD
226,84 3	DE000NG5 4J78	200,000	10.34	2012.80 000000 00	3.5	5.0	5.0	20.0	0.0	2012.80 000000 00	0.01	0.1	USD
226,84 4	DE000NG5 4J86	200,000	10.83	2017.80 000000 00	3.5	5.0	5.0	20.0	0.0	2017.80 000000 00	0.01	0.1	USD
226,84 5	DE000NG5 4J94	200,000	11.31	2022.80 000000 00	3.5	5.0	5.0	20.0	0.0	2022.80 000000 00	0.01	0.1	USD
226,84 6	DE000NG5 4KA1	200,000	11.8	2027.80 000000 00	3.5	5.0	5.0	20.0	0.0	2027.80 000000 00	0.01	0.1	USD
226,84 7	DE000NG5 4KB9	200,000	12.29	2032.80 000000 00	3.5	5.0	5.0	20.0	0.0	2032.80 000000 00	0.01	0.1	USD
226,84 8	DE000NG5 4KC7	200,000	12.77	2037.80 000000 00	3.5	5.0	5.0	20.0	0.0	2037.80 000000 00	0.01	0.1	USD
226,84 9	DE000NG5 4KD5	200,000	13.26	2042.80 000000 00	3.5	5.0	5.0	20.0	0.0	2042.80 000000 00	0.01	0.1	USD
226,85 0	DE000NG5 4KE3	200,000	13.75	2047.80 000000 00	3.5	5.0	5.0	20.0	0.0	2047.80 000000 00	0.01	0.1	USD
226,85	DE000NG5	200,000	14.24	2052.80	3.5	5.0	5.0	20.0	0.0	2052.80	0.01	0.1	USD

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226,85 2	DE000NG5 4KG8	200,000	14.72	2057.80 000000 00	3.5	5.0	5.0	20.0	0.0	2057.80 000000 00	0.01	0.1	USD
226,85 3	DE000NG5 4KH6	200,000	15.21	2062.80 000000 00	3.5	5.0	5.0	20.0	0.0	2062.80 000000 00	0.01	0.1	USD
226,85 4	DE000NG5 4KJ2	200,000	15.7	2067.80 000000 00	3.5	5.0	5.0	20.0	0.0	2067.80 000000 00	0.01	0.1	USD
226,85 5	DE000NG5 4KK0	200,000	16.18	2072.80 000000 00	3.5	5.0	5.0	20.0	0.0	2072.80 000000 00	0.01	0.1	USD
226,85 6	DE000NG5 4KL8	200,000	16.67	2077.80 000000 00	3.5	5.0	5.0	20.0	0.0	2077.80 000000 00	0.01	0.1	USD
226,85 7	DE000NG5 4KM6	200,000	17.16	2082.80 000000 00	3.5	5.0	5.0	20.0	0.0	2082.80 000000 00	0.01	0.1	USD
226,85 8	DE000NG5 4KN4	200,000	17.64	2087.80 000000 00	3.5	5.0	5.0	20.0	0.0	2087.80 000000 00	0.01	0.1	USD
226,85 9	DE000NG5 4KP9	200,000	18.13	2092.80 000000 00	3.5	5.0	5.0	20.0	0.0	2092.80 000000 00	0.01	0.1	USD
226,86 0	DE000NG5 4KQ7	200,000	18.62	2097.80 000000 00	3.5	5.0	5.0	20.0	0.0	2097.80 000000 00	0.01	0.1	USD
226,86 1	DE000NG5 4KR5	200,000	19.11	2102.80 000000 00	3.5	5.0	5.0	20.0	0.0	2102.80 000000 00	0.01	0.1	USD
226,86 2	DE000NG5 4KS3	200,000	19.59	2107.80 000000 00	3.5	5.0	5.0	20.0	0.0	2107.80 000000 00	0.01	0.1	USD
226,86 3	DE000NG5 4KT1	200,000	20.08	2112.80 000000 00	3.5	5.0	5.0	20.0	0.0	2112.80 000000 00	0.01	0.1	USD
226,86 4	DE000NG5 4KU9	200,000	20.57	2117.80 000000 00	3.5	5.0	5.0	20.0	0.0	2117.80 000000 00	0.01	0.1	USD
226,86 5	DE000NG5 4KV7	200,000	21.05	2122.80 000000 00	3.5	5.0	5.0	20.0	0.0	2122.80 000000 00	0.01	0.1	USD
226,86 6	DE000NG5 4KW5	200,000	21.54	2127.80 000000 00	3.5	5.0	5.0	20.0	0.0	2127.80 000000 00	0.01	0.1	USD
226,86 7	DE000NG5 4KX3	200,000	22.03	2132.80 000000 00	3.5	5.0	5.0	20.0	0.0	2132.80 000000 00	0.01	0.1	USD
226,86 8	DE000NG5 4KY1	200,000	22.52	2137.80 000000 00	3.5	5.0	5.0	20.0	0.0	2137.80 000000 00	0.01	0.1	USD
226,86 9	DE000NG5 4KZ8	200,000	23.0	2142.80 000000 00	3.5	5.0	5.0	20.0	0.0	2142.80 000000 00	0.01	0.1	USD
226,87 0	DE000NG5 4K00	200,000	23.49	2147.80 000000 00	3.5	5.0	5.0	20.0	0.0	2147.80 000000 00	0.01	0.1	USD
226,87	DE000NG5	200,000	23.98	2152.80	3.5	5.0	5.0	20.0	0.0	2152.80	0.01	0.1	USD

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226,87 2	DE000NG5 4K26	200,000	24.46	2157.80 000000 00	3.5	5.0	5.0	20.0	0.0	2157.80 000000 00	0.01	0.1	USD
226,87 3	DE000NG5 4K34	200,000	24.95	2162.80 000000 00	3.5	5.0	5.0	20.0	0.0	2162.80 000000 00	0.01	0.1	USD
226,87 4	DE000NG5 4K42	200,000	25.44	2167.80 000000 00	3.5	5.0	5.0	20.0	0.0	2167.80 000000 00	0.01	0.1	USD
226,87 5	DE000NG5 4K59	200,000	25.93	2172.80 000000 00	3.5	5.0	5.0	20.0	0.0	2172.80 000000 00	0.01	0.1	USD
226,87 6	DE000NG5 4K67	200,000	26.41	2177.80 000000 00	3.5	5.0	5.0	20.0	0.0	2177.80 000000 00	0.01	0.1	USD
226,87 7	DE000NG5 4K75	200,000	26.9	2182.80 000000 00	3.5	5.0	5.0	20.0	0.0	2182.80 000000 00	0.01	0.1	USD
226,87 8	DE000NG5 4K83	200,000	27.39	2187.80 000000 00	3.5	5.0	5.0	20.0	0.0	2187.80 000000 00	0.01	0.1	USD
226,87 9	DE000NG5 4K91	200,000	27.87	2192.80 000000 00	3.5	5.0	5.0	20.0	0.0	2192.80 000000 00	0.01	0.1	USD
226,88 0	DE000NG5 4LA9	200,000	28.36	2197.80 000000 00	3.5	5.0	5.0	20.0	0.0	2197.80 000000 00	0.01	0.1	USD
226,88 1	DE000NG5 4LB7	200,000	28.85	2202.80 000000 00	3.5	5.0	5.0	20.0	0.0	2202.80 000000 00	0.01	0.1	USD
226,88 2	DE000NG5 4LC5	200,000	29.34	2207.80 000000 00	3.5	5.0	5.0	20.0	0.0	2207.80 000000 00	0.01	0.1	USD
	DE000NG5 4LD3	200,000	29.82	2212.80 000000 00	3.5	5.0	5.0	20.0	0.0	2212.80 000000 00	0.01	0.1	USD
226,88 4	DE000NG5 4LE1	200,000	30.31	2217.80 000000 00	3.5	5.0	5.0	20.0	0.0	2217.80 000000 00	0.01	0.1	USD
226,88 5	DE000NG5 4LF8	200,000	30.8	2222.80 000000 00	3.5	5.0	5.0	20.0	0.0	2222.80 000000 00	0.01	0.1	USD
226,88 6	DE000NG5 4LG6	200,000	31.28	2227.80 000000 00	3.5	5.0	5.0	20.0	0.0	2227.80 000000 00	0.01	0.1	USD
226,88 7	DE000NG5 4LH4	200,000	31.77	2232.80 000000 00	3.5	5.0	5.0	20.0	0.0	2232.80 000000 00	0.01	0.1	USD
226,88 8	DE000NG5 4LJ0	200,000	32.26	2237.80 000000 00	3.5	5.0	5.0	20.0	0.0	2237.80 000000 00	0.01	0.1	USD
226,88 9	DE000NG5 4LK8	200,000	32.74	2242.80 000000 00	3.5	5.0	5.0	20.0	0.0	2242.80 000000 00	0.01	0.1	USD
226,89 0	DE000NG5 4LL6	200,000	33.23	2247.80 000000 00	3.5	5.0	5.0	20.0	0.0	2247.80 000000 00	0.01	0.1	USD
226,89	DE000NG5	200,000	33.72	2252.80	3.5	5.0	5.0	20.0	0.0	2252.80	0.01	0.1	USD

226,89	DE000NG5	200,000	34.69	00 2262.80	3.5	5.0	5.0	20.0	0.0	00 2262.80	0.01	0.1	USD
3	4LP7	200,000	34.09	000000	3.3	3.0	3.0	20.0	0.0	000000	0.01	0.1	USD
226,89 4	DE000NG5 4LQ5	200,000	35.18	2267.80 000000 00	3.5	5.0	5.0	20.0	0.0	2267.80 000000 00	0.01	0.1	USD
226,89 5	DE000NG5 4LR3	200,000	35.67	2272.80 000000 00	3.5	5.0	5.0	20.0	0.0	2272.80 000000 00	0.01	0.1	USD
226,89 6	DE000NG5 4LS1	200,000	36.15	2277.80 000000 00	3.5	5.0	5.0	20.0	0.0	2277.80 000000 00	0.01	0.1	USD
226,89 7	DE000NG5 4LT9	200,000	36.64	2282.80 000000 00	3.5	5.0	5.0	20.0	0.0	2282.80 000000 00	0.01	0.1	USD
226,89 8	DE000NG5 4LU7	200,000	37.13	2287.80 000000 00	3.5	5.0	5.0	20.0	0.0	2287.80 000000 00	0.01	0.1	USD
226,89 9	DE000NG5 4LV5	200,000	37.62	2292.80 000000 00	3.5	5.0	5.0	20.0	0.0	2292.80 000000 00	0.01	0.1	USD
226,90 0	DE000NG5 4LW3	200,000	38.1	2297.80 000000 00	3.5	5.0	5.0	20.0	0.0	2297.80 000000 00	0.01	0.1	USD
226,90 1	DE000NG5 4LX1	200,000	38.59	2302.80 000000 00	3.5	5.0	5.0	20.0	0.0	2302.80 000000 00	0.01	0.1	USD
226,90 2	DE000NG5 4LY9	200,000	39.08	2307.80 000000 00	3.5	5.0	5.0	20.0	0.0	2307.80 000000 00	0.01	0.1	USD
226,90 3	DE000NG5 4LZ6	200,000	39.56	2312.80 000000 00	3.5	5.0	5.0	20.0	0.0	2312.80 000000 00	0.01	0.1	USD
226,90 4	DE000NG5 4L09	200,000	40.05	2317.80 000000 00	3.5	5.0	5.0	20.0	0.0	2317.80 000000 00	0.01	0.1	USD
226,90 5	DE000NG5 4L17	200,000	40.54	2322.80 000000 00	3.5	5.0	5.0	20.0	0.0	2322.80 000000 00	0.01	0.1	USD
226,90 6	DE000NG5 4L25	200,000	41.03	2327.80 000000 00	3.5	5.0	5.0	20.0	0.0	2327.80 000000 00	0.01	0.1	USD
226,90 7	DE000NG5 4L33	200,000	41.51	2332.80 000000 00	3.5	5.0	5.0	20.0	0.0	2332.80 000000 00	0.01	0.1	USD
226,90 8	DE000NG5 4L41	200,000	42.0	2337.80 000000 00	3.5	5.0	5.0	20.0	0.0	2337.80 000000 00	0.01	0.1	USD
226,90 9	DE000NG5 4L58	200,000	42.49	2342.80 000000 00	3.5	5.0	5.0	20.0	0.0	2342.80 000000 00	0.01	0.1	USD
226,91 0	DE000NG5 4L66	200,000	42.97	2347.80 000000 00	3.5	5.0	5.0	20.0	0.0	2347.80 000000 00	0.01	0.1	USD
	DE000NG5		43.46	2352.80	3.5	5.0	5.0	20.0	0.0	2352.80	0.01	0.1	USD

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226,91 2	DE000NG5 4L82	200,000	43.95	2357.80 000000 00	3.5	5.0	5.0	20.0	0.0	2357.80 000000 00	0.01	0.1	USD
226,91 3	DE000NG5 4L90	250,000	0.13	986.690 000000 0	3.5	5.0	5.0	20.0	0.0	986.690 000000 0	0.01	0.01	USD
226,91 4	DE000NG5 4MA7	250,000	0.22	996.690 000000 0	3.5	5.0	5.0	20.0	0.0	996.690 000000	0.01	0.01	USD
226,91 5	DE000NG5 4MB5	250,000	0.32	1006.69 000000 00	3.5	5.0	5.0	20.0	0.0	0 1006.69 000000 00	0.01	0.01	USD
226,91 6	DE000NG5 4MC3	250,000	0.42	1016.69 000000 00	3.5	5.0	5.0	20.0	0.0	1016.69 000000 00	0.01	0.01	USD
226,91 7	DE000NG5 4MD1	250,000	0.52	1026.69 000000 00	3.5	5.0	5.0	20.0	0.0	1026.69 000000 00	0.01	0.01	USD
226,91 8	DE000NG5 4ME9	250,000	0.61	1036.69 000000 00	3.5	5.0	5.0	20.0	0.0	1036.69 000000 00	0.01	0.01	USD
226,91 9	DE000NG5 4MF6	500,000	0.31	21.1536 000000	3.5	5.0	4.0	20.0	0.0	21.1536 000000	0.000 1	1.0	USD
226,92 0	DE000NG5 4MG4	500,000	0.5	21.3536 000000	3.5	5.0	4.0	20.0	0.0	21.3536 000000	0.000	1.0	USD
226,92 1	DE000NG5 4MH2	500,000	0.7	21.5536 000000	3.5	5.0	4.0	20.0	0.0	21.5536 000000	0.000	1.0	USD
226,92	DE000NG5 4MJ8	500,000	0.89	21.7536 000000	3.5	5.0	4.0	20.0	0.0	21.7536 000000	0.000	1.0	USD
226,92 3	DE000NG5 4MK6	500,000	1.09	21.9536 000000	3.5	5.0	4.0	20.0	0.0	21.9536 000000	0.000	1.0	USD
226,92 4	DE000NG5 4ML4	500,000	1.28	22.1536 000000	3.5	5.0	4.0	20.0	0.0	22.1536 000000	0.000	1.0	USD
226,92 5	DE000NG5 4MM2	250,000	0.38	79.9800 000000	3.5	5.0	7.5	20.0	0.0	79.9800 000000	0.01	1.0	USD
226,92 6	DE000NG5 4MN0	250,000	0.62	80.2300 000000	3.5	5.0	7.5	20.0	0.0	80.2300 000000	0.01	1.0	USD
226,92 7	DE000NG5 4MP5	250,000	0.87	80.4800 000000	3.5	5.0	7.5	20.0	0.0	80.4800 000000	0.01	1.0	USD
226,92 8	DE000NG5 4MQ3	250,000	1.11	80.7300 000000	3.5	5.0	7.5	20.0	0.0	80.7300 000000	0.01	1.0	USD
226,92 9	DE000NG5 4MR1	250,000	1.35	80.9800 000000	3.5	5.0	7.5	20.0	0.0	80.9800 000000	0.01	1.0	USD
226,93 0	DE000NG5 4MS9	250,000	1.6	81.2300 000000	3.5	5.0	7.5	20.0	0.0	81.2300 000000	0.01	1.0	USD
226,93 1	DE000NG5 4MT7	250,000	1.84	81.4800 000000	3.5	5.0	7.5	20.0	0.0	81.4800 000000	0.01	1.0	USD
226,93 2	DE000NG5 4MU5	250,000	2.08	81.7300 000000	3.5	5.0	7.5	20.0	0.0	81.7300 000000	0.01	1.0	USD
226,93 3	DE000NG5 4MV3	250,000	2.33	81.9800 000000	3.5	5.0	7.5	20.0	0.0	81.9800 000000	0.01	1.0	USD
226,93 4	DE000NG5 4MW1	250,000	2.57	82.2300 000000	3.5	5.0	7.5	20.0	0.0	82.2300 000000	0.01	1.0	USD
226,93 5	DE000NG5 4MX9	250,000	2.82	82.4800 000000	3.5	5.0	7.5	20.0	0.0	82.4800 000000	0.01	1.0	USD
226,93 6	DE000NG5 4MY7	250,000	3.06	82.7300 000000	3.5	5.0	7.5	20.0	0.0	82.7300 000000	0.01	1.0	USD

226,93	DE000NG5	250,000	3.3	82.9800	3.5	5.0	7.5	20.0	0.0	82.9800	0.01	1.0	LICD
7	4MZ4	230,000	3.3	000000	3.3	3.0	1.3	20.0	0.0	000000	0.01	1.0	USD
226,93	DE000NG5	250,000	3.55	83.2300	3.5	5.0	7.5	20.0	0.0	83.2300	0.01	1.0	USD
8	4M08	230,000	3.33	000000	3.3	3.0	1.3	20.0	0.0	000000	0.01	1.0	USD
226,93	DE000NG5	250,000	3.79	83.4800	3.5	5.0	7.5	200		83.4800	0.01	1.0	LICD
9	4M16	230,000	3.19	000000	3.3	3.0	1.3	20.0	0.0	000000	0.01	1.0	USD
226,94	DE000NG5	250,000	4.03	83.7300	3.5	5.0	7.5	200		83.7300	0.01	1.0	LICD
0	4M24	230,000	4.03	000000	3.3	3.0	1.3	20.0	0.0		0.01	1.0	USD
	DE000NG5	250,000	4.20	83.9800	3.5	5.0	7.5			000000	0.01	1.0	LICD
226,94	4M32	250,000	4.28	000000	3.3	3.0	7.3	20.0	0.0	83.9800	0.01	1.0	USD
226.04	DE000NG5	250,000	4.50		3.5	5.0	7.5			000000	0.01	1.0	LIGD
226,94	4M40	250,000	4.52	84.2300 000000	3.3	3.0	7.3	20.0	0.0	84.2300	0.01	1.0	USD
226.04		250,000	176		2.5	5.0	7.5			000000	0.04	1.0	
226,94	DE000NG5 4M57	250,000	4.76	84.4800 000000	3.5	5.0	7.5	20.0	0.0	84.4800	0.01	1.0	USD
3		250,000	5.01		2.5	5.0	7.5	<u> </u>		000000			
226,94	DE000NG5 4M65	250,000	5.01	84.7300 000000	3.5	5.0	7.5	20.0	0.0	84.7300	0.01	1.0	USD
4		270 000				- ^				000000			
226,94	DE000NG5	250,000	5.25	84.9800	3.5	5.0	7.5	20.0	0.0	84.9800	0.01	1.0	USD
5	4M73	270 000	7.10	000000	2.5	7 ^				000000			
226,94	DE000NG5	250,000	5.49	85.2300	3.5	5.0	7.5	20.0	0.0	85.2300	0.01	1.0	USD
6	4M81			000000						000000			
226,94	DE000NG5	250,000	5.74	85.4800	3.5	5.0	7.5	20.0	0.0	85.4800	0.01	1.0	USD
7	4M99			000000						000000			
226,94	DE000NG5	250,000	5.98	85.7300	3.5	5.0	7.5	20.0	0.0	85.7300	0.01	1.0	USD
8	4NA5			000000				ļ		000000			
226,94	DE000NG5	250,000	6.23	85.9800	3.5	5.0	7.5	20.0	0.0	85.9800	0.01	1.0	USD
9	4NB3			000000				ļ		000000			
226,95	DE000NG5	250,000	6.47	86.2300	3.5	5.0	7.5	20.0	0.0	86.2300	0.01	1.0	USD
0	4NC1			000000						000000			
226,95	DE000NG5	250,000	6.71	86.4800	3.5	5.0	7.5	20.0	0.0	86.4800	0.01	1.0	USD
1	4ND9			000000						000000			
226,95	DE000NG5	250,000	6.96	86.7300	3.5	5.0	7.5	20.0	0.0	86.7300	0.01	1.0	USD
2	4NE7			000000						000000			
226,95	DE000NG5	250,000	7.2	86.9800	3.5	5.0	7.5	20.0	0.0	86.9800	0.01	1.0	USD
3	4NF4			000000						000000			
226,95	DE000NG5	250,000	7.44	87.2300	3.5	5.0	7.5	20.0	0.0	87.2300	0.01	1.0	USD
4	4NG2			000000						000000			
226,95	DE000NG5	250,000	7.69	87.4800	3.5	5.0	7.5	20.0	0.0	87.4800	0.01	1.0	USD
5	4NH0			000000						000000			
226,95	DE000NG5	250,000	7.93	87.7300	3.5	5.0	7.5	20.0	0.0	87.7300	0.01	1.0	USD
6	4NJ6			000000						000000			
226,95	DE000NG5	250,000	8.18	87.9800	3.5	5.0	7.5	20.0	0.0	87.9800	0.01	1.0	USD
7	4NK4			000000						000000			

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

Series Numb er of the Certifi cates	ISIN Code	(i) Commodi ty	(ii) Commo dity Referen ce Price	(iii) Price Source/ Reference Dealers	(iv) Speci fied Price	(v) Delivery Dates	(vi) Rollover Date	(vii) Exchang e	(viii) Valuation Time
226,77 7	DE000N G54G97	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 price	(i) First nearby month of expiratio n or (ii) the month of expiratio n with the highest volumes, as determin ed by the Calculati on Agent.	A date, as determined by the Calculation Agent, in the period commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date of the relevant Futures Contract of the Commodity.	ICE Futures US Softs	The close of trading on the Exchange
226,77	DE000N G54HA7	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 price	(i) First nearby month of expiratio n or (ii) the month of expiratio n with the highest volumes, as determin ed by the Calculati on Agent.	A date, as determined by the Calculation Agent, in the period commencing on the previous Rollover Date (or in the case of the first Rollover Date the Issue Date) and ending not less than 5 Commodity Business Days prior to the last trading date	ICE Futures US Softs	The close of trading on the Exchange

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							Commodity.		
226,77	DE000N	Brent	Oil-Brent	Initially	The	(i) First	A date, as	ICE	The close
9	G54HB5	Crude Oil	-ICE	Bloomberg	price	nearby	determined	Futures	of trading
	G5 IIID5	Crude on	ICL	code: COG3	F	month	by the	US Softs	on the
				<cmdty> and</cmdty>		of	Calculation	C5 501ts	Exchange
				after the first		expiratio	Agent, in the		Exchange
				Rollover Date		n or (ii)	period		
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				the Bloomberg		the	commencing		
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				to the relevant		of	previous		
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226,78	DE000N	Brent	Oil-Brent	Initially	The	(i) First	A date, as	ICE	The close
0	G54HC3	Crude Oil	-ICE	Bloomberg	price	nearby	determined	Futures	of trading
				code: COG3	1	month	by the	US Softs	on the
				<cmdty> and</cmdty>		of	Calculation	00000	Exchange
				after the first		expiratio	Agent, in the		Exchange
				Rollover Date		n or (ii)	period		
				the Bloomberg		the	commencing		
				page referring		month	on the		
				to the relevant		of	previous		
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							Commodity.		
226,78	DE000N	Brent	Oil-Brent	Initially	The	(i) First	A date, as	ICE	The close
1	G54HD1	Crude Oil	-ICE	Bloomberg	price	nearby	determined	Futures	of trading
1	GS-IID1	Crude on	ICL	code: COG3	Pilot	month	by the	US Softs	on the
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				after the first		expiratio	Agent, in the		Exchange
				Rollover Date		n or (ii)	period		
				the Bloomberg		the	commencing		
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				to the relevant			previous		
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	DE000N	Brent	Oil-Brent		The	(i) First	A date, as	ICE	The close
2	G54HE9	Crude Oil	-ICE	Bloomberg	price	nearby	determined	Futures	of trading
				code: COG3		month	by the	US Softs	on the
				<cmdty> and</cmdty>		of	Calculation		Exchange
				after the first		expiratio	Agent, in the		
				Rollover Date		n or (ii)	period		
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				page referring		month	on the		
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226,78 DE000N Brent Oil-Brent Initially The price G54HF6 Crude Oil -ICE Bloomberg Code: COG3 Cmdty> and after the first Rollover Date Rollover Date Commodity. Commodity. Commodity. A date, as determined Futures Off Calculation Calculation Expiratio Agent, in the period Expiratio Commodity.	of trading on the
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226,78 DE000N Brent Oil-Brent Initially Bloomberg Crude Oil Oil-Brent Initially Bloomberg Code: COG3 Cmdty> and after the first Rollover Date Rollover Date Ci) First A date, as ICE Ti A da	of trading on the
G54HF6 Crude Oil -ICE Bloomberg code: COG3 Cmdty> and after the first Rollover Date Rollover Date Crude Oil -ICE Bloomberg code: COG3 Cmdty> and after the first Rollover Date Crude Oil Futures Of month by the Calculation Calculation Expiration Calculation Calcul	of trading on the
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226.78	DE000N	Brent	Oil-Brent	Initially	The	(i) First	A date, as	ICE	The close
5	G54HH2	Crude Oil	-ICE	Bloomberg	price	nearby	determined	Futures	of trading
	03411112	Crude On	-ICE	code: COG3	price	month	by the	US Softs	on the
				<cmdty> and</cmdty>		of	Calculation	05 50118	
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226.78	DE000N	Brent	Oil-Brent	Initially	The	(i) First	A date, as	ICE	The close
				Bloomberg				Futures	
6	G54HJ8	Crude Oil	-ICE	_	price	nearby	determined		of trading
				code: COG3		month	by the	US Softs	on the
				<cmdty> and</cmdty>		of	Calculation		Exchange
				after the first		expiratio	Agent, in the		
				Rollover Date		n or (ii)	period		
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				Futures		expiratio	Rollover		
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226,78	DE000N	Brent	Oil-Brent	Initially	The	(i) First	A date, as	ICE	The close
7	G54HK6	Crude Oil	-ICE	Bloomberg	price	nearby	determined	Futures	of trading
,	GS-IIICO	Crude on	ICL	code: COG3	Pilos	month	by the	US Softs	on the
				<cmdty> and</cmdty>		of	Calculation	C5 501ts	Exchange
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	DE000N	Brent	Oil-Brent		The	(i) First	A date, as	ICE	The close
8	G54HL4	Crude Oil	-ICE	Bloomberg	price	nearby	determined	Futures	of trading
				code: COG3		month	by the	US Softs	on the
				<cmdty> and</cmdty>		of	Calculation		Exchange
				after the first		expiratio	Agent, in the		
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226,78	DE000N	Brent	Oil-Brent	Initially	The	(i) First	A date, as	ICE	The close
9	G54HM2	Crude Oil	-ICE	Bloomberg	price	nearby	determined	Futures	of trading
	GS-IIIVIZ	Crude on	ICL	code: COG3	Pilos	month	by the	US Softs	on the
				<cmdty> and</cmdty>		of	Calculation	C5 501ts	Exchange
				after the first		expiratio	Agent, in the		Exchange
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226,79	DE000N	Brent	Oil-Brent	Initially	The	(i) First	A date, as	ICE	The close
0	G54HN0	Crude Oil	-ICE	Bloomberg	price	nearby	determined	Futures	of trading
				code: COG3	1	month	by the	US Softs	on the
				<cmdty> and</cmdty>		of	Calculation	C S Solis	Exchange
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226,79	DE000N	Brent	Oil-Brent	Initially	The	(i) First	A date, as	ICE	The close
1	G54HP5	Crude Oil	-ICE	Bloomberg	price	nearby	determined	Futures	of trading
1	G54III 5	Crude on	ICL	code: COG3	Pilos	month	by the	US Softs	on the
				<cmdty> and</cmdty>		of	Calculation	C5 501ts	Exchange
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226,79	DE000N	Brent	Oil-Brent	Initially	The	(i) First	A date, as	ICE	The close
2	G54HQ3	Crude Oil	-ICE	Bloomberg	price	nearby	determined	Futures	of trading
	(-			code: COG3	1	month	by the	US Softs	on the
				<cmdty> and</cmdty>		of	Calculation	C S Solis	Exchange
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226,79	DE000N	Brent	Oil-Brent	Initially	The	(i) First	A date, as	ICE	The close
3	G54HR1	Crude Oil	-ICE	Bloomberg	price	nearby	determined	Futures	of trading
		Crude on	ICL	code: COG3	F	month	by the	US Softs	on the
				<cmdty> and</cmdty>		of	Calculation	C5 501ts	Exchange
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226,79	DE000N	Brent	Oil-Brent	Initially	The	(i) First	A date, as	ICE	The close
4	G54HS9	Crude Oil	-ICE	Bloomberg	price	nearby	determined	Futures	of trading
				code: COG3	1	month	by the	US Softs	on the
				<cmdty> and</cmdty>		of	Calculation	C S Solis	Exchange
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226,79	DE000N	Brent	Oil-Brent	Initially	The	(i) First	A date, as	ICE	The close
5		1		Bloomberg		3.7	determined	Futures	of trading
3	G54HT7	Crude Oil	-ICE		price	nearby			
				code: COG3		month	by the	US Softs	on the
				<cmdty> and</cmdty>		of	Calculation		Exchange
				after the first		expiratio	Agent, in the		
				Rollover Date		n or (ii)	period		
				the Bloomberg		the	commencing		
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226,79	DE000N	Brent	Oil-Brent		The	(i) First	A date, as	ICE	The close
6	G54HU5	Crude Oil	-ICE	Bloomberg	price	nearby	determined	Futures	of trading
				code: COG3		month	by the	US Softs	on the
		1		<cmdty> and</cmdty>		of	Calculation		Exchange
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DE000N G54HV3 Crude Oil -ICE Crude Oil -ICE Bloomberg code; COG3 Comdys and after the first Rellover Date the Bloomberg page referring to the relevant Futures Contract. Contract								Commodity		
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6	G54H47		t	\$/OZ	price	nearby	determined	Futures	of trading
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7	G54H54	Gold		\$/OZ	price	nearby	determined	Futures	of trading
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8	G54H62		t	\$/OZ	price	nearby	determined	Futures	of trading
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		1				the	the case of		
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						Calculati	5		
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226,80	DE000N	Gold	Gold-Spo	GOLD SPOT	The	(i) First	A date, as	ICE	The close
9	G54H70		t	\$/OZ	price	nearby	determined	Futures	of trading
	05 11170			(Bloomberg	1	month	by the	US Softs	on the
				code: XAU		of	Calculation	C B Botts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Lacitatige
				Cincy)		n or (ii)	period		
						the	commencing		
						month	on the		
						of	previous		
							Rollover		
						expiratio			
						n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a			
						S	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
						Agent.	Business		
							Days prior to		
							the last		
							trading date		
							of the		
							relevant		
							Futures		
							Contract of		
							the		
							Commodity.		
226.91	DEOOON	C.11	Gold Sno	GOLD SPOT	The	(i) Einst	A date, as	ICE	The close
0	DE000N	Gold	•	\$/OZ		(i) First	determined	Futures	of trading
0	G54H88		t		price	nearby			
				(Bloomberg		month	by the	US Softs	on the
				code: XAU		of	Calculation		Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period .		
						the	commencing		
						month	on the		
						of	previous		
						expiratio	Rollover		
						n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a			
						s	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
							Business		
						Agent.	Days prior to		
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							of the		
							relevant		
							Futures		
							Contract of		
							the		
							Commodity.		
226,81	DE000N	Gold	Gold-Spo	GOLD SPOT	The	(i) First	A date, as	ICE	The close
1	G54H96		t	\$/OZ	price	nearby	determined	Futures	of trading
	00 11170		ľ	(Bloomberg	1	month	by the	US Softs	on the
				code: XAU		of	Calculation	C B Botts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Lachunge
				Cincy)		n or (ii)	period		
						the	commencing		
						month	on the		
						of	previous		
							Rollover		
						expiratio			
						n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a			
						S	Date the		
						determin	Issue Date)		
						ed by	and ending		
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						Calculati	5		
						on	Commodity		
						Agent.	Business		
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226.91	DECOON	G 11	C-14 C	COLD CDOT	T1	(i) Ei4	Commodity.	ICE	The close
	DE000N	Gold	•	GOLD SPOT	The	(i) First	A date, as	ICE	
2	G54JA3		t	\$/OZ	price	nearby	determined	Futures	of trading
				(Bloomberg		month	by the	US Softs	on the
				code: XAU		of	Calculation		Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period		
						the	commencing		
						month	on the		
						of	previous		
						expiratio	Rollover		
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						highest	the first		
						volumes, a			
						s	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
							Business		
						Agent.	Days prior to		
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226,81	DE000N	Gold	Gold-Spo	GOLD SPOT	The	(i) First	A date, as	ICE	The close
3	G54JB1		t	\$/OZ	price	nearby	determined	Futures	of trading
	05 1021			(Bloomberg	1	month	by the	US Softs	on the
				code: XAU		of	Calculation	C B Botts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Lacitatige
				Cincy)		n or (ii)	period		
						the	commencing		
						month	on the		
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						expiratio			
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226.81	DEOOON	C.11	Gold Sno	GOLD SPOT	The	(i) Einst	A date, as	ICE	The close
4	DE000N	Gold	•	\$/OZ		(i) First	determined	Futures	of trading
4	G54JC9		t		price	nearby			
				(Bloomberg		month	by the	US Softs	on the
				code: XAU		of	Calculation		Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period .		
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226,81 DE000N Gold Gold-Spo GOLD SPOT t S/OZ (Bloomberg code: XAU <crncy>) The price nearby month by the calculation expiratio Agent, in the Gold-Spo Gold-Spo t (i) First A date, as nearby determined by the Calculation expiratio Agent, in the Gold-Spo to The price nearby month by the calculation expiratio Agent, in the Gold-Spo to The price nearby month by the calculation expiratio Agent, in the Gold-Spo to The price nearby determined by the calculation expiration Agent, in the Gold-Spo to The price nearby month by the calculation expiration agent, and the calculation expiration agent ag</crncy>	rading
5 G54JD7 t \$\frac{\\$}{\ (Bloomberg \) code: XAU < Crncy>)} price nearby nearby determined by the Of Calculation expiratio Agent, in the control of the	rading
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226,81	DE000N	Gold	Gold-Spo	GOLD SPOT	The	(i) First	A date, as	ICE	The close
7	G54JF2	0010	t	\$/OZ	price	nearby	determined	Futures	of trading
,	33 131 2		[(Bloomberg	F	month	by the	US Softs	on the
				code: XAU		of	Calculation	C5 501ts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Exchange
				(Cincy)					
						n or (ii)	period .		
						the	commencing		
						month	on the		
						of	previous		
						expiratio	Rollover		
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						the	the case of		
						highest	the first		
						volumes, a	Rollover		
						s	Date the		
						determin	Issue Date)		
						ed by	and ending		
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						Calculati	5		
						on	Commodity		
							Business		
						Agent.	Days prior to		
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226,81	DE000N	Gold	Gold-Spo	GOLD SPOT	The	(i) First	A date, as	ICE	The close
8	G54JG0		t	\$/OZ	price	nearby	determined	Futures	of trading
				(Bloomberg	1	month	by the	US Softs	on the
				code: XAU		of	Calculation	C S Solis	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Literatinge
						n or (ii)	period		
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						volumes, a			
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226,81	DE000N	Gold	Gold-Spo	GOLD SPOT	The	(i) First	A date, as	ICE	The close
9	G54JH8		t	\$/OZ	price	nearby	determined	Futures	of trading
	35 15110		[(Bloomberg	F	month	by the	US Softs	on the
				code: XAU		of	Calculation	C5 501ts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Exchange
				(Cincy)		n or (ii)	period		
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						the	commencing		
						month	on the		
						of	previous		
						expiratio	Rollover		
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						the	the case of		
						highest	the first		
						volumes, a			
						s	Date the		
						determin	Issue Date)		
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						Calculati	5		
						on	Commodity		
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							Commodity.		
	DE000N	Gold	Gold-Spo	GOLD SPOT	The	(i) First	A date, as	ICE	The close
0	G54JJ4		t	\$/OZ	price	nearby	determined	Futures	of trading
				(Bloomberg		month	by the	US Softs	on the
				code: XAU		of	Calculation		Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period		
						the	commencing		
						month	on the		
						of	previous		
						expiratio	Rollover		
						n with	Date (or in		
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226,82	DE000N	Gold	Gold-Spo	GOLD SPOT	The	(i) First	A date, as	ICE	The close
1	G54JK2		t	\$/OZ	price	nearby	determined	Futures	of trading
	35 10112			(Bloomberg	1	month	by the	US Softs	on the
				code: XAU		of	Calculation	C B Botts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Lachunge
				Cincy)		n or (ii)	period		
						the	commencing		
						month	on the		
						of	previous		
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						expiratio			
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						volumes, a			
						S	Date the		
						determin	Issue Date)		
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						Calculati	5		
						on	Commodity		
						Agent.	Business		
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226.82	DE000N	C.11	Gold Sno	GOLD SPOT	The	(i) First	A date, as	ICE	The close
2		Gold	•	\$/OZ			determined	Futures	of trading
2	G54JL0		t		price	nearby			
				(Bloomberg		month	by the	US Softs	on the
				code: XAU		of	Calculation		Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period .		
						the	commencing		
						month	on the		
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						volumes, a			
						s	Date the		
						determin	Issue Date)		
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						Agent.	Days prior to		
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226.82	DE000N	Gold	Gold-Spo	GOLD SPOT	The	(i) First	A date, as	ICE	The close
3	G54JM8	Gold	t	\$/OZ	price	nearby	determined	Futures	of trading
	G5431V16		•	(Bloomberg	Price	month	by the	US Softs	on the
				code: XAU		of	Calculation	US SOIIS	
				<crncy>)</crncy>					Exchange
				<ciricy>)</ciricy>		expiratio	Agent, in the		
						n or (ii)	period .		
						the	commencing		
						month	on the		
						of	previous		
						expiratio	Rollover		
						n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a	Rollover		
						s	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
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226.82	DE000N	Gold	Gold-Spo	GOLD SPOT	The	(i) First	A date, as	ICE	The close
4	G54JN6	Gold	t	\$/OZ	price	nearby	determined	Futures	of trading
-	0343110		١	(Bloomberg	price	month	by the	US Softs	on the
				code: XAU		of	Calculation	US Soits	
									Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period .		
						the	commencing		
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						n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a	Rollover		
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226,82	DE000N	Gold	Gold-Spo	GOLD SPOT	The	(i) First	A date, as	ICE	The close
5	G54JP1		t	\$/OZ	price	nearby	determined	Futures	of trading
	334311		[(Bloomberg	Pilot	month	by the	US Softs	on the
				code: XAU		of	Calculation	C5 501ts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Exchange
				\Cincy>)		n or (ii)	period		
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						the	commencing		
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						volumes, a	Rollover		
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							Contract of		
							the		
							Commodity.		
226,82	DE000N	Gold	Gold-Spo	GOLD SPOT	The	(i) First	A date, as	ICE	The close
6	G54JQ9		t	\$/OZ	price	nearby	determined	Futures	of trading
	30 10 49			(Bloomberg	1	month	by the	US Softs	on the
				code: XAU		of	Calculation	C B Bolts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Lixenange
				(Cincy)		n or (ii)	period		
						the	commencing		
						month	on the		
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						volumes, a			
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						on	Commodity		
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							Commodity.		
226,82	DE000N	Gold	Gold-Spo	GOLD SPOT	The	(i) First	A date, as	ICE	The close
7	G54JR7	0010	t	\$/OZ	price	nearby	determined	Futures	of trading
	35 10107			(Bloomberg	1	month	by the	US Softs	on the
				code: XAU		of	Calculation	C B Botts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Lachange
						n or (ii)	period		
						the	commencing		
						month	on the		
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						volumes, a			
						S	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
						Agent.	Business		
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							trading date		
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							Contract of		
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226.82	DE000N	D. 11. 12	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
8		Palladium		SPOT \$/OZ		nearby	determined	Futures	of trading
l°	G54JS5		m-Spot		price				
				(Bloomberg		month	by the	US Softs	on the
				code: XPD		of	Calculation		Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period .		
						the	commencing		
						month	on the		
						of	previous		
						expiratio	Rollover		
						n with	Date (or in		
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						volumes, a			
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226,82	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
9	G54JT3	T diludidili	m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
_	034313		III-Spot	(Bloomberg	Pinee	month	by the	US Softs	on the
				code: XPD		of	Calculation	03 30118	I I
				<crncy>)</crncy>		expiratio			Exchange
				Cincy/)			Agent, in the		
						n or (ii)	period .		
						the	commencing		
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						volumes, a	Rollover		
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	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
0	G54JU1		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
				(Bloomberg		month	by the	US Softs	on the
				code: XPD		of	Calculation		Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period		
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226,83	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
1	G54JV9		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
1	3343 17		ш эрог	(Bloomberg	Pilot	month	by the	US Softs	on the
				code: XPD		of	Calculation	03 30118	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Exchange
				(Cincy)					
						n or (ii)	period .		
						the	commencing		
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226,83	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
2	G54JW7		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
			in spec	(Bloomberg	1	month	by the	US Softs	on the
				code: XPD		of	Calculation	C S Sons	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Lachange
				(Cincy)		n or (ii)	period		
						the	commencing		
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						volumes, a			
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226,83	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
3	G54JX5		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	35 15715		in Spot	(Bloomberg	F	month	by the	US Softs	on the
				code: XPD		of	Calculation	C5 501ts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Exchange
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						n or (ii)	period .		
						the	commencing		
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						volumes, a	Rollover		
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							Commodity.		
226,83	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
4	G54JY3		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	00 10 10		in spec	(Bloomberg	1	month	by the	US Softs	on the
				code: XPD		of	Calculation	C B Bolts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Lachange
				(Cincy)		n or (ii)	period		
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						month	commencing on the		
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226,83	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
5	G54JZ0		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	G5-1320		ш эрог	(Bloomberg	Pilot	month	by the	US Softs	on the
				code: XPD		of	Calculation	C5 501ts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Exchange
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						n or (ii)	period .		
						the	commencing		
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						volumes, a	Rollover		
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							Commodity.		
226,83	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
6	G54J03		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	30 .000		in spec	(Bloomberg	1	month	by the	US Softs	on the
				code: XPD		of	Calculation	C S Solis	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Lixenange
				(Ciney')		n or (ii)	period		
						the	commencing		
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						volumes, a			
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							Business		
						Agent.	Days prior to		
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							Commodity.		
226,83	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
7	G54J11		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	00 1011		in spec	(Bloomberg	1	month	by the	US Softs	on the
				code: XPD		of	Calculation	C B Bolts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Lachunge
						n or (ii)	period		
						the	commencing		
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						volumes, a			
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						determin	Issue Date)		
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226.82	DE000N	D. 11. 12	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
8		Palladium		SPOT \$/OZ	price	nearby	determined	Futures	of trading
l°	G54J29		m-Spot		price				
				(Bloomberg		month	by the	US Softs	on the
				code: XPD		of	Calculation		Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period .		
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226,83	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
9	G54J37		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	334337		ш эрог	(Bloomberg	Pilot	month	by the	US Softs	on the
				code: XPD		of	Calculation	C5 501ts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Exchange
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						volumes, a			
						s	Date the		
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						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
						Agent.	Business		
						Agent.	Days prior to		
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							Contract of		
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							Commodity.		
226,84	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
0	G54J45		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
			1	(Bloomberg		month	by the	US Softs	on the
				code: XPD		of	Calculation		Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		8
						n or (ii)	period		
						the	commencing		
						month	on the		
						of	previous		
						expiratio	Rollover		
						n with	Date (or in		
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						volumes, a			
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							Futures		
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226,84	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
1	G54J52		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	00.002		in spec	(Bloomberg	1	month	by the	US Softs	on the
				code: XPD		of	Calculation	C B Bolts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Lachunge
						n or (ii)	period		
						the	commencing		
						month	on the		
						of	previous		
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						volumes, a			
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226.84	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
2		Palladium		SPOT \$/OZ	price	nearby	determined	Futures	of trading
2	G54J60		m-Spot		price	month	by the		on the
				(Bloomberg		of	Calculation	US Softs	
				code: XPD					Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period .		
						the	commencing		
						month	on the		
						of	previous		
						expiratio	Rollover		
						n with	Date (or in		
						the	the case of		
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						volumes, a			
						s	Date the		
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							Commodity.		
226,84	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
3	G54J78		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
			1	(Bloomberg	1	month	by the	US Softs	on the
				code: XPD		of	Calculation		Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period		
						the	commencing		
						month	on the		
						of	previous		
						expiratio	Rollover		
						n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a			
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							Contract of		
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							Commodity.		
226.84	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
4	G54J86		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
'	G34380		III-Spot	(Bloomberg	Price	month	by the	US Softs	on the
				code: XPD		of	Calculation	US SOIIS	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Exchange
				\Cincy>)		n or (ii)	period		
						the			
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						month of			
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						volumes, a			
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226.84	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
5	G54J94	1 allaululli	m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	034394		ш-зроі	(Bloomberg	price	month	by the	US Softs	on the
				code: XPD		of	Calculation	US Sons	
									Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period		
						the	commencing		
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	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
6	G54KA1		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
				(Bloomberg		month	by the	US Softs	on the
				code: XPD		of	Calculation		Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period		
						the	commencing		
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226,84	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
7	G54KB9		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
,	G5 IRES		In Spot	(Bloomberg	F	month	by the	US Softs	on the
				code: XPD		of	Calculation	C5 Solts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Exchange
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						month	on the		
						of	previous		
						expiratio	Rollover		
						n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a			
						s	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
						Agent.	Business		
						Agent.	Days prior to		
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							trading date		
							of the		
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							Futures		
							Contract of		
							the		
							Commodity.		
226,84	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
8	G54KC7		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
			1	(Bloomberg		month	by the	US Softs	on the
				code: XPD		of	Calculation		Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Literiunge
				,		n or (ii)	period		
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226,84	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
9	G54KD5		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	GS-IKDS		III Spot	(Bloomberg	Pilot	month	by the	US Softs	on the
				code: XPD		of	Calculation	C5 501ts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Exchange
				(Cincy)		-			
						n or (ii)	period .		
						the	commencing		
						month	on the		
						of	previous		
						expiratio	Rollover		
						n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a	Rollover		
						s	Date the		
						determin	Issue Date)		
						ed by	and ending		
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						Calculati	5		
						on	Commodity		
							Business		
						Agent.	Days prior to		
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							Contract of		
							the		
							Commodity.		
226,85	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
0	G54KE3		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	00 .1220		in spec	(Bloomberg		month	by the	US Softs	on the
				code: XPD		of	Calculation	C B Bolts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Lachange
				(Ciney')		n or (ii)	period		
						the	commencing		
						month	on the		
						of	previous		
							Rollover		
						expiratio			
						n with	Date (or in		
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						volumes, a			
						s	Date the		
						determin	Issue Date)		
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							of the		
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							the		
							Commodity.		
226,85	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
1	G54KF0		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	05 114 0		in spec	(Bloomberg	1	month	by the	US Softs	on the
				code: XPD		of	Calculation	C B Bolts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Lachunge
						n or (ii)	period		
						the	commencing		
						month	on the		
						of	previous		
							Rollover		
						expiratio			
						n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a			
				1		S	Date the		
						determin	Issue Date)		
						ed by	and ending		
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						Calculati	5		
						on	Commodity		
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							Contract of		
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							Commodity.		
226.85	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
2		Palladium		SPOT \$/OZ	price	nearby	determined	Futures	of trading
2	G54KG8		m-Spot	· ·	price	month	by the		on the
				(Bloomberg		of	Calculation	US Softs	I I
				code: XPD					Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period .		
				1		the	commencing		
				1		month	on the		
				1		of	previous		
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226.85	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
3	G54KH6	1 anadium	m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	UJ4KHU		ш-зроі	(Bloomberg	price	month	by the		on the
						of	Calculation	US Softs	
				code: XPD					Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period		
						the	commencing		
						month	on the		
						of	previous		
						expiratio	Rollover		
						n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes,			
		1					Date the		
						S			
						determin	Issue Date)		
						ed by	and ending		
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						Calculati	5		
						on	Commodity		
						Agent.	Business		
						1 1801111	Days prior to		
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							Futures		
							Contract of		
							the		
							Commodity.		
226,85	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
4	G54KJ2		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	35 11632		III Spot	(Bloomberg	F	month	by the	US Softs	on the
				code: XPD		of	Calculation	US Soits	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Exchange
				Cilicy/)					
						n or (ii)	period .		
						the	commencing		
		1				month	on the		
		1				of	previous		
		1				expiratio	Rollover		
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						s volumes, t	Date the		
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226,85	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
5	G54KK0		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	GS-ICICO		ш эрог	(Bloomberg	Pilot	month	by the	US Softs	on the
				code: XPD		of	Calculation	C5 501ts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Exchange
				(Cincy)		-			
						n or (ii)	period .		
						the	commencing		
						month	on the		
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						expiratio	Rollover		
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						highest	the first		
						volumes, a	Rollover		
						s	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
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226,85	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
6	G54KL8		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	00.1120		in spec	(Bloomberg	1	month	by the	US Softs	on the
				code: XPD		of	Calculation	C S Solis	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Lixenange
				(Ciney')		n or (ii)	period		
						the	commencing		
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						expiratio	Rollover		
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						volumes, a			
						s	Date the		
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226,85	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
7	G54KM6		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	00 112110		in spec	(Bloomberg	1	month	by the	US Softs	on the
				code: XPD		of	Calculation	C B Bolts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Lachunge
						n or (ii)	period		
						the	commencing		
						month	on the		
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						volumes, a			
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						•	Days prior to		
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							relevant		
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							Commodity.		
226.85	DE000N	D. 11. 12	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
8		Palladium		SPOT \$/OZ	price	nearby	determined	Futures	of trading
l°	G54KN4		m-Spot		price				
				(Bloomberg		month	by the	US Softs	on the
				code: XPD		of	Calculation		Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period .		
						the	commencing		
						month	on the		
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						expiratio	Rollover		
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226,85	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
9	G54KP9		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	00 1147		in spec	(Bloomberg	1	month	by the	US Softs	on the
				code: XPD		of	Calculation	C B Bolts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Lachunge
						n or (ii)	period		
						the	commencing		
						month	on the		
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						volumes, a			
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						ed by	and ending		
						the	not less than		
						Calculati	5		
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							Contract of		
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							Commodity.		
226.86	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
0		Panadium		SPOT \$/OZ	price	nearby	determined	Futures	of trading
ľ	G54KQ7		m-Spot		price	month	by the		on the
				(Bloomberg		of	Calculation	US Softs	I I
				code: XPD					Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period .		
						the	commencing		
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						n with	Date (or in		
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						volumes, a			
						s	Date the		
						determin	Issue Date)		
						ed by	and ending		
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							Commodity.		
226,86	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
1	G54KR5		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	G5 HERE		in spec	(Bloomberg	1	month	by the	US Softs	on the
				code: XPD		of	Calculation	C B Bolts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Lachunge
						n or (ii)	period		
						the	commencing		
						month	on the		
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							Contract of		
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							Commodity.		
226.86	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
2	G54KS3	Panadium		SPOT \$/OZ	price	nearby	determined	Futures	of trading
2	G34K33		m-Spot		price	month	by the		on the
				(Bloomberg		of	Calculation	US Softs	I I
				code: XPD					Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period .		
						the	commencing		
						month	on the		
						of	previous		
						expiratio	Rollover		
						n with	Date (or in		
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226,86	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
3	G54KT1		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	G54KT1		ш эрог	(Bloomberg	Pilot	month	by the	US Softs	on the
				code: XPD		of	Calculation	C5 501ts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Exchange
				(Cincy)		-			
						n or (ii)	period .		
						the	commencing		
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						expiratio	Rollover		
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						volumes, a			
						s	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
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							Contract of		
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							Commodity.		
226,86	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
4	G54KU9		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	00.1103		in spec	(Bloomberg	1	month	by the	US Softs	on the
				code: XPD		of	Calculation	C S Solis	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Lachange
				(Cincy)		n or (ii)	period		
						the	commencing		
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						n with	Date (or in		
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226.86	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
5	G54KV7	1 anadium		SPOT \$/OZ	price	nearby	determined	Futures	of trading
]	G34KV/		m-Spot		price	month	by the		on the
				(Bloomberg		of		US Softs	
				code: XPD			Calculation		Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period		
						the	commencing		
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							Contract of		
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							Commodity.		
226.86	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
6		Fanadium		SPOT \$/OZ	price	nearby	determined	Futures	of trading
10	G54KW5		m-Spot		price				
				(Bloomberg		month	by the	US Softs	on the
				code: XPD		of	Calculation		Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period		
						the	commencing		
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						expiratio	Rollover		
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							Commodity.		
226,86	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
7	G54KX3		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	05 11215		in spec	(Bloomberg	1	month	by the	US Softs	on the
				code: XPD		of	Calculation	C B Bolts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Lachunge
						n or (ii)	period		
						the	commencing		
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						volumes, a			
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						Calculati	5		
						on	Commodity		
						Agent.	Business		
							Days prior to		
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							Commodity.		
226.86	DE000N	D.11. 1'	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
8		Palladium		SPOT \$/OZ		nearby	determined	Futures	of trading
l°	G54KY1		m-Spot		price				
				(Bloomberg		month	by the	US Softs	on the
				code: XPD		of	Calculation		Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period .		
						the	commencing		
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						n with	Date (or in		
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							Futures		
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							Commodity.		
226,86	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
9	G54KZ8		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	G5 III		In Spot	(Bloomberg	F	month	by the	US Softs	on the
				code: XPD		of	Calculation	C5 501ts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Exchange
				(Cincy)		n or (ii)	period		
							_		
						the	commencing		
						month	on the		
						of	previous		
						expiratio	Rollover		
						n with	Date (or in		
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						volumes, a			
				1		s	Date the		
						determin	Issue Date)		
						ed by	and ending		
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						Calculati	5		
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						Agent.	Business		
						l'igent.	Days prior to		
							the last		
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							of the		
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							Futures		
							Contract of		
							the		
							Commodity.		
	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
0	G54K00		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
				(Bloomberg		month	by the	US Softs	on the
				code: XPD		of	Calculation		Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period		
				1		the	commencing		
				1		month	on the		
				1		of	previous		
				1		expiratio	Rollover		
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							of the		
							relevant		
							Futures		
							Contract of		
							the		
							Commodity.		
226,87	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
1	G54K18		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
			1	(Bloomberg	1	month	by the	US Softs	on the
				code: XPD		of	Calculation		Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period		
						the	commencing		
						month	on the		
						of	previous		
						expiratio	Rollover		
						n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a			
						S	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
						Agent.	Business		
							Days prior to		
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							trading date		
							of the		
							relevant		
							Futures		
							Contract of		
							the		
							Commodity.		
226.87	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
2	G54K26		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
-	G34K20		III-Spot	(Bloomberg	Price	month	by the	US Softs	on the
				code: XPD		of	Calculation	US SOIIS	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Exchange
				\Cincy>)		n or (ii)	period		
						the			
						1	commencing on the		
						month of			
							previous		
						expiratio	Rollover		
						n with	Date (or in		
						the	the case of		
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						volumes, a			
						s	Date the		
						determin	Issue Date)		
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226,87	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
3	G54K34		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	00 1110 1		in spec	(Bloomberg	1	month	by the	US Softs	on the
				code: XPD		of	Calculation	C B Botts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Lachunge
						n or (ii)	period		
						the	commencing		
						month	on the		
						of	previous		
							Rollover		
						expiratio			
						n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a			
						S	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
						Agent.	Business		
						~	Days prior to		
							the last		
							trading date		
							of the		
							relevant		
							Futures		
							Contract of		
							the		
							Commodity.		
226.87	DECOON	D. 11. 1'	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
4	DE000N	Palladium		SPOT \$/OZ		nearby	determined	Futures	of trading
4	G54K42		m-Spot		price				
				(Bloomberg		month	by the	US Softs	on the
				code: XPD		of	Calculation		Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period .		
						the	commencing		
						month	on the		
						of	previous		
						expiratio	Rollover		
						n with	Date (or in		
						the	the case of		
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						volumes, a			
						s	Date the		
						determin	Issue Date)		
						ed by	and ending		
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						Calculati	5		
						on	Commodity		
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							Commodity.		
226,87	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
5	G54K59		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	GS-IKS)		III Spot	(Bloomberg	Pilot	month	by the	US Softs	on the
				code: XPD		of	Calculation	C5 501ts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Exchange
				(Cincy)					
						n or (ii)	period .		
						the	commencing		
						month	on the		
						of	previous		
						expiratio	Rollover		
						n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a	Rollover		
						s	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
							Business		
						Agent.	Days prior to		
							the last		
							trading date		
							of the		
							relevant		
							Futures		
							Contract of		
							the		
							Commodity.		
226,87	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
6	G54K67		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	30 .120 ,		in spec	(Bloomberg		month	by the	US Softs	on the
				code: XPD		of	Calculation	C B Bolts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Lixenange
				(Cincy)		n or (ii)	period		
						the			
						month	commencing on the		
						of			
							previous		
						expiratio	Rollover		
						n with	Date (or in		
						the	the case of		
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						volumes, a			
						s	Date the		
						determin	Issue Date)		
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						on	Commodity		
							Business		
						Agent.	Days prior to		
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							Futures		
							Contract of		
							the		
							Commodity.		
226,87	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
7	G54K75		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	35 111,5		in spec	(Bloomberg	1	month	by the	US Softs	on the
				code: XPD		of	Calculation	C B Bolts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Lachunge
						n or (ii)	period		
						the	commencing		
						month	on the		
						of	previous		
							Rollover		
						expiratio			
						n with	Date (or in		
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						volumes, a			
						S	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
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						•	Days prior to		
							the last		
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							relevant		
							Futures		
							Contract of		
							the		
							Commodity.		
226.87	DE000N	D. 11. 1'	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
8		Palladium		SPOT \$/OZ	price	nearby	determined	Futures	of trading
l°	G54K83		m-Spot		price				
				(Bloomberg		month	by the	US Softs	on the
				code: XPD		of	Calculation		Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period .		
						the	commencing		
						month	on the		
						of	previous		
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						n with	Date (or in		
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						volumes, a			
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						Agent.	Business		
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							relevant		
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							the		
							Commodity.		
226,87	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
9	G54K91		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	00 1110 1		in spec	(Bloomberg	1	month	by the	US Softs	on the
				code: XPD		of	Calculation	C B Bolts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Lachunge
						n or (ii)	period		
						the	commencing		
						month	on the		
						of	previous		
							Rollover		
						expiratio			
						n with	Date (or in		
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						volumes, a			
						S	Date the		
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						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
						Agent.	Business		
							Days prior to		
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							relevant		
							Futures		
							Contract of		
							the		
							Commodity.		
226.88	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
0	G54LA9	Panadium		SPOT \$/OZ	price	nearby	determined	Futures	of trading
ľ	G34LA9		m-Spot		price	month	by the		on the
				(Bloomberg code: XPD		of	Calculation	US Softs	I I
									Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period .		
						the	commencing		
						month	on the		
						of	previous		
						expiratio	Rollover		
						n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a			
						s	Date the		
						determin	Issue Date)		
						ed by	and ending		
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						Calculati	5		
						on	Commodity		
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						1 igciii.	Days prior to		
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							trading date		
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							Commodity.		
226,88	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
1	G54LB7		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	GS ILB,		in spec	(Bloomberg	1	month	by the	US Softs	on the
				code: XPD		of	Calculation	C B Bolts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Lachunge
						n or (ii)	period		
						the	commencing		
						month	on the		
						of	previous		
							Rollover		
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						n with	Date (or in		
						the	the case of		
						highest	the first		
						volumes, a			
						S	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
						Agent.	Business		
						•	Days prior to		
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							trading date		
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							relevant		
							Futures		
							Contract of		
							the		
							Commodity.		
226.88	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
2		Palladium		SPOT \$/OZ	price	nearby	determined	Futures	of trading
2	G54LC5		m-Spot		price	month	by the		on the
				(Bloomberg		of	Calculation	US Softs	
				code: XPD					Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period .		
						the	commencing		
						month	on the		
						of	previous		
						expiratio	Rollover		
						n with	Date (or in		
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						volumes, a			
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						ed by	and ending		
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						Calculati	5		
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226,88	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
3	G54LD3		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	G5 ILD5		In Spot	(Bloomberg	F	month	by the	US Softs	on the
				code: XPD		of	Calculation	C5 501ts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Exchange
				(Cincy)					
						n or (ii)	period .		
						the	commencing		
						month	on the		
						of	previous		
						expiratio	Rollover		
						n with	Date (or in		
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						highest	the first		
						volumes, a	Rollover		
						s	Date the		
						determin	Issue Date)		
						ed by	and ending		
						the	not less than		
						Calculati	5		
						on	Commodity		
							Business		
						Agent.	Days prior to		
							the last		
							trading date		
							of the		
							relevant		
							Futures		
							Contract of		
							the		
							Commodity.		
226,88	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
4	G54LE1		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	00.221		in spec	(Bloomberg	1	month	by the	US Softs	on the
				code: XPD		of	Calculation	C S Sons	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Lachange
				(Ciney')		n or (ii)	period		
						the	commencing		
						month	on the		
						of	previous		
						expiratio	Rollover		
						n with	Date (or in		
						the	the case of		
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						volumes, a			
						S	Date the		
						determin	Issue Date)		
		1				ed by	and ending		
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						on	Commodity		
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							Commodity.		
226,88	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
5	G54LF8		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	G54L1 0		ш эрог	(Bloomberg	Pilot	month	by the	US Softs	on the
				code: XPD		of	Calculation	C5 501ts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Exchange
				\Cincy>)		n or (ii)	period		
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						the	commencing		
						month	on the		
						of	previous		
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						n with	Date (or in		
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						volumes, a			
						s	Date the		
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						on	Commodity		
						Agent.	Business		
						l'igent.	Days prior to		
							the last		
							trading date		
							of the		
							relevant		
							Futures		
							Contract of		
							the		
							Commodity.		
	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
6	G54LG6		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
				(Bloomberg		month	by the	US Softs	on the
				code: XPD		of	Calculation		Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period		
						the	commencing		
						month	on the		
						of	previous		
						expiratio	Rollover		
						n with	Date (or in		
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							Commodity.		
226.88	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
7	G54LH4	1 allaululli		SPOT \$/OZ	price	nearby	determined	Futures	of trading
'	G34LH4		m-Spot		price	month	by the		on the
				(Bloomberg		of	Calculation	US Softs	
				code: XPD					Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
						n or (ii)	period		
						the	commencing		
						month	on the		
						of	previous		
						expiratio	Rollover		
						n with	Date (or in		
						the	the case of		
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						Calculati	5		
						on	Commodity		
						Agent.	Business		
						l'igent.	Days prior to		
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							Futures		
							Contract of		
							the		
							Commodity.		
226,88	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
8	G54LJ0		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	GJ4L30		ш-Броі	(Bloomberg	Price	month	by the	US Softs	on the
				code: XPD		of	Calculation	US SOIIS	I I
									Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
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226,88	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
9	G54LK8		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	GJ-ILIKO		III Spot	(Bloomberg	Pilos	month	by the	US Softs	on the
				code: XPD		of	Calculation	C5 501ts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Exchange
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226,89	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
0	G54LL6		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
				(Bloomberg	1	month	by the	US Softs	on the
				code: XPD		of	Calculation		Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Lachange
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226,89	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
1	G54LM4	T diludidili	m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
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				code: XPD		of	Calculation	C5 501ts	Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		Exchange
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						n or (ii)	period .		
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226,89	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
2	G54LN2		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	00 .21 .2		in spec	(Bloomberg	1	month	by the	US Softs	on the
				code: XPD		of	Calculation	C S Sons	Exchange
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226,89	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
3	G54LP7		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	GS ILI 7		in spec	(Bloomberg	1	month	by the	US Softs	on the
				code: XPD		of	Calculation	CS Sons	Exchange
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226.80	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
4		Palladium		SPOT \$/OZ	price	nearby	determined	Futures	of trading
7	G54LQ5		m-Spot		price	month	by the		on the
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				code: XPD					Exchange
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6 G54LS1 m-Spot SPOT \$\(\frac{1}{2}\)OZ price nearby determined Futures of tra	
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226,89	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
7	G54LT9		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
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				code: XPD		of	Calculation	C B Bolts	Exchange
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226.80	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
8		Panadium		SPOT \$/OZ	price	nearby	determined	Futures	of trading
l°	G54LU7		m-Spot		price	month	by the		on the
				(Bloomberg		of	Calculation	US Softs	
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				<crncy>)</crncy>		expiratio	Agent, in the		
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226,89 DE000N Palladium Palladiu m-Spot SPOT \$/OZ (Bloomberg code: XPD Corncy>) Palladiun Palladiu month on the of previous expiration Rollover Rollov	ding e
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226,89 DE000N Palladium Palladiu m-Spot SPOT \$/OZ (Bloomberg code: XPD < Crncy>) The commodity C	ding e
226,89 DE000N G54LV5 Palladium M-Spot SPOT \$/OZ (Bloomberg code: XPD) < Crncy>) Crncy>) The price mearby determined by the of Calculation expiratio nor (ii) period the commencing month on the of previous	ding e
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9 G54LV5 SPOT \$/OZ (Bloomberg code: XPD <crncy>) price nearby month by the calculation expiratio nor (ii) period the commencing month on the of previous</crncy>	ding e
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0 G54LW3 m-Spot SPOT \$\footnote{OZ} price nearby determined futures of trade	
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226,90	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
1	G54LX1		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
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2	G54LY9		m-Spot		price				
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226,90	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
5	G54L17		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	OJ ILI,		in spec	(Bloomberg	1	month	by the	US Softs	on the
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				<crncy>)</crncy>		expiratio	Agent, in the		Lachunge
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226.00	DEOOON	D.11. 1'	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
6	DE000N	Palladium		SPOT \$/OZ		nearby	determined	Futures	of trading
0	G54L25		m-Spot		price				on the
				(Bloomberg		month	by the	US Softs	I I
				code: XPD		of	Calculation		Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
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226,90	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
7	G54L33		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
,	G54E55		III Spot	(Bloomberg	Pilos	month	by the	US Softs	on the
				code: XPD		of	Calculation	C5 Solts	Exchange
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226,90	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
8	G54L41		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
			1	(Bloomberg	1	month	by the	US Softs	on the
				code: XPD		of	Calculation	0000110	Exchange
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226,90	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
9	G54L58		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	G5 IL50		in Spot	(Bloomberg	F	month	by the	US Softs	on the
				code: XPD		of	Calculation	C5 501ts	Exchange
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226,91	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
0	G54L66	1 allaululli	m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
ľ	G34L00		m-spot		price	month	by the		on the
				(Bloomberg		of		US Softs	l I
				code: XPD			Calculation		Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
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226,91	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
1	G54L74	1 allaululli		SPOT \$/OZ	price	nearby	determined	Futures	of trading
1	G34L/4		m-Spot		price	month	by the		on the
				(Bloomberg		of	Calculation	US Softs	
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226,91	DE000N	Palladium	Palladiu	PALLADIUM	The	(i) First	A date, as	ICE	The close
2	G54L82		m-Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	GS ILOZ		III Spot	(Bloomberg	F	month	by the	US Softs	on the
				code: XPD		of	Calculation	US Soits	Exchange
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226,91	DE000N	Platinum	Platinum	PLATINUM	The	(i) First	A date, as	ICE	The close
3	G54L90	1 latillulli		SPOT \$/OZ	price	nearby	determined	Futures	of trading
3	G34L90		Spot	(Bloomberg	price	month	by the		on the
				code: XPT		of		US Softs	
							Calculation		Exchange
				<crncy>)</crncy>		expiratio	Agent, in the		
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226,91	DE000N	Platinum	Platinum-	PLATINUM	The	(i) First	A date, as	ICE	The close
4	G54MA7		Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
1	G54WIA7		Spot	(Bloomberg	Price	month	by the	US Softs	on the
				code: XPT		of	Calculation	US Solis	
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				<crncy>)</crncy>		expiratio	Agent, in the		
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226,91	DE000N	Platinum	Platinum-	PLATINUM	The	(i) First	A date, as	ICE	The close
5	G54MB5	1 latillulli		SPOT \$/OZ	price	nearby	determined	Futures	of trading
	G34MB3		Spot	(Bloomberg	price	month	by the		on the
				code: XPT		of		US Softs	
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226,91	DE000N	Platinum	Platinum-	PLATINUM	The	(i) First	A date, as	ICE	The close
6	G54MC3		Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
	GJ4WCJ		Spot	(Bloomberg	Price	month	by the	US Softs	on the
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226,91	DE000N	Platinum	Platinum-	PLATINUM	The	(i) First	A date, as	ICE	The close
7	G54MD1		Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
'	GJ4MD1		Spot	(Bloomberg	Price	month	by the	US Softs	on the
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226.91	DE000N	Platinum	Platinum-	PLATINUM	The	(i) First	A date, as	ICE	The close
8	G54ME9		Spot	SPOT \$/OZ	price	nearby	determined	Futures	of trading
0	G54ME9		Spot	(Bloomberg	price	month	by the	US Softs	on the
						of		US Solis	
				code: XPT			Calculation		Exchange
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DF000N G54MF6 Silver Ot SPOT \$/OZ (Bloomberg code: XAG Crmcy>) Silver Ot Crmcy>)								Commodity		
9 G54MF6 of SPOT S/OZ (Bloomberg code: XAG <crney>) of month of expiration on the previous case of the first volumes, a calculation of G54MG4 of Crney>) of G54MG4 of G76 of G76</crney>	226.91	DE000N	Cilvon	Silver-Sn	SII VER	The	(i) First		ICE	The close
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226,92	DE000N	WTI	OIL-WTI	Initially	The	(i) First	A date, as	ICE	The close
9	G54MR1	Crude Oil	-NYME	Bloomberg	price	nearby	determined	Futures	of trading
	GJ4WIKI	Crude On	X	code: CLF3	Price	month	by the	US Softs	on the
			^	<cmdty> and</cmdty>		of	Calculation	US Soits	
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226.03	DE000N	WTI	OIL-WTI	Initially	The	(i) First	A date, as	ICE	The close
				Bloomberg				Futures	
0	G54MS9	Crude Oil	-NYME	_	price	nearby	determined		of trading
			X	code: CLF3		month	by the	US Softs	on the
				<cmdty> and</cmdty>		of	Calculation		Exchange
				after the first		expiratio	Agent, in the		
				Rollover Date		n or (ii)	period		
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226,93	DE000N	WTI	OIL-WTI	Initially	The	(i) First	A date, as	ICE	The close
1	G54MT7	Crude Oil	-NYME	Bloomberg	price	nearby	determined	Futures	of trading
	G5 IIVI 7	Cruac on	X	code: CLF3	r	month	by the	US Softs	on the
			A	<cmdty> and</cmdty>		of	Calculation	C5 501ts	Exchange
				after the first		expiratio	Agent, in the		Exchange
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				the Bloomberg		1	commencing		
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226,93	DE000N	WTI	OIL-WTI	Initially	The	(i) First	A date, as	ICE	The close
2	G54MU5	Crude Oil	-NYME	Bloomberg	price	nearby	determined	Futures	of trading
			X	code: CLF3	1	month	by the	US Softs	on the
				<cmdty> and</cmdty>		of	Calculation		Exchange
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				Rollover Date		n or (ii)	period		
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226,93	DE000N	WTI	OIL-WTI	Initially	The	(i) First	A date, as	ICE	The close
3	G54MV3	Crude Oil	-NYME	Bloomberg	price	nearby	determined	Futures	of trading
	G54W1 V 5	Crude on	X	code: CLF3	Pilos	month	by the	US Softs	on the
			Λ	<cmdty> and</cmdty>		of	Calculation	C5 501ts	Exchange
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226,93	DE000N	WTI	OIL-WTI	Initially	The	(i) First	A date, as	ICE	The close
4	G54MW1	Crude Oil	-NYME	Bloomberg	price	nearby	determined	Futures	of trading
			X	code: CLF3	1	month	by the	US Softs	on the
			11	<cmdty> and</cmdty>		of	Calculation	C S Solis	Exchange
				after the first		expiratio	Agent, in the		Lachange
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226,93	DE000N	WTI	OIL-WTI	Initially	The	(i) First	A date, as	ICE	The close
5	G54MX9	Crude Oil	-NYME	Bloomberg	price	nearby	determined	Futures	of trading
	05 111115		X	code: CLF3	1	month	by the	US Softs	on the
			2.	<cmdty> and</cmdty>		of	Calculation	C B Botts	Exchange
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226.03	DE000N	WTI	OIL-WTI	Initially	The	(i) First	A date, as	ICE	The close
6			-NYME	Bloomberg	price	nearby	determined	Futures	of trading
10	G54MY7	Crude Oil		code: CLF3	price	month	by the		on the
			X	<cmdty> and</cmdty>		of		US Softs	
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				after the first		expiratio	Agent, in the		
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226,93	DE000N	WTI	OIL-WTI	Initially	The	(i) First	A date, as	ICE	The close
7	G54MZ4	Crude Oil	-NYME	Bloomberg	price	nearby	determined	Futures	of trading
'	GSHMZH	Crude on	X	code: CLF3	Pilos	month	by the	US Softs	on the
			A	<cmdty> and</cmdty>		of	Calculation	C5 501ts	Exchange
				after the first		expiratio	Agent, in the		Exchange
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				the Bloomberg		the	commencing		
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				Futures		expiratio	Rollover		
				Contract.		n with	Date (or in		
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							Commodity.		
	DE000N	WTI	OIL-WTI		The	(i) First	A date, as	ICE	The close
8	G54M08	Crude Oil	-NYME	Bloomberg	price	nearby	determined	Futures	of trading
			X	code: CLF3		month	by the	US Softs	on the
				<cmdty> and</cmdty>		of	Calculation		Exchange
				after the first		expiratio	Agent, in the		
				Rollover Date		n or (ii)	period		
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226,93	DE000N	WTI	OIL-WTI	Initially	The	(i) First	A date, as	ICE	The close
9	G54M16	Crude Oil	-NYME	Bloomberg	price	nearby	determined	Futures	of trading
	GSHWITO	Crude on	X	code: CLF3	Pilos	month	by the	US Softs	on the
			Λ	<cmdty> and</cmdty>		of	Calculation	C5 501ts	Exchange
				after the first		expiratio	Agent, in the		Exchange
				Rollover Date		n or (ii)	period		
				the Bloomberg		the	commencing		
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	DE000N	WTI	OIL-WTI		The	(i) First	A date, as	ICE	The close
0	G54M24	Crude Oil	-NYME	Bloomberg	price	nearby	determined	Futures	of trading
			X	code: CLF3		month	by the	US Softs	on the
				<cmdty> and</cmdty>		of	Calculation		Exchange
				after the first		expiratio	Agent, in the		
				Rollover Date		n or (ii)	period		
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226,94	DE000N	WTI	OIL-WTI	Initially	The	(i) First	A date, as	ICE	The close
1	G54M32	Crude Oil	-NYME	Bloomberg	price	nearby	determined	Futures	of trading
1	G54W152	Crude On	X	code: CLF3	Price	month	by the	US Softs	on the
			Λ	<cmdty> and</cmdty>		of	Calculation	03 30118	I I
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	DE000N	WTI	OIL-WTI		The	(i) First	A date, as	ICE	The close
2	G54M40	Crude Oil	-NYME	Bloomberg	price	nearby	determined	Futures	of trading
			X	code: CLF3		month	by the	US Softs	on the
				<cmdty> and</cmdty>		of	Calculation		Exchange
				after the first		expiratio	Agent, in the		
				Rollover Date		n or (ii)	period		
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226,94	DE000N	WTI	OIL-WTI	Initially	The	(i) First	A date, as	ICE	The close
3	G54M57	Crude Oil	-NYME	Bloomberg	price	nearby	determined	Futures	of trading
	G54WI57	Crude on	X	code: CLF3	Pilot	month	by the	US Softs	on the
			Λ	<cmdty> and</cmdty>		of	Calculation	C5 501ts	Exchange
				after the first		expiratio	Agent, in the		Exchange
				Rollover Date		n or (ii)	period		
				the Bloomberg		the	commencing		
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				Futures		expiratio	Rollover		
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	DE000N	WTI	OIL-WTI		The	(i) First	A date, as	ICE	The close
4	G54M65	Crude Oil	-NYME	Bloomberg	price	nearby	determined	Futures	of trading
			X	code: CLF3		month	by the	US Softs	on the
				<cmdty> and</cmdty>		of	Calculation		Exchange
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226,94	DE000N	WTI	OIL-WTI	Initially	The	(i) First	A date, as	ICE	The close
5	G54M73	Crude Oil	-NYME	Bloomberg	price	nearby	determined	Futures	of trading
	G54W175	Crude On	X	code: CLF3	Price	month	by the	US Softs	on the
			Λ	<cmdty> and</cmdty>		of	Calculation	03 30118	I I
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	DE000N	WTI	OIL-WTI		The	(i) First	A date, as	ICE	The close
6	G54M81	Crude Oil	-NYME	Bloomberg	price	nearby	determined	Futures	of trading
			X	code: CLF3		month	by the	US Softs	on the
				<cmdty> and</cmdty>		of	Calculation		Exchange
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				Rollover Date		n or (ii)	period		
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226,94	DE000N	WTI	OIL-WTI	Initially	The	(i) First	A date, as	ICE	The close
7	G54M99	Crude Oil	-NYME	Bloomberg	price	nearby	determined	Futures	of trading
'	GJ4WI99	Crude On	X	code: CLF3	Price	month	by the	US Softs	on the
			Λ	<cmdty> and</cmdty>		of	Calculation	03 30118	I I
				after the first			Agent, in the		Exchange
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226.04	DECOM	13 //DI	OH WEL	T '.' 11	TD1	(') E' +	Commodity.	ICE	T1 1
	DE000N	WTI	OIL-WTI		The	(i) First	A date, as	ICE	The close
8	G54NA5	Crude Oil	-NYME	Bloomberg	price	nearby	determined	Futures	of trading
			X	code: CLF3		month	by the	US Softs	on the
				<cmdty> and</cmdty>		of	Calculation		Exchange
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226,94	DE000N	WTI	OIL-WTI	Initially	The	(i) First	A date, as	ICE	The close
9	G54NB3	Crude Oil	-NYME	Bloomberg	price	nearby	determined	Futures	of trading
	ОЗНІТЬЗ	Crude on	X	code: CLF3	Pilos	month	by the	US Softs	on the
			X	<cmdty> and</cmdty>		of	Calculation	C5 501ts	Exchange
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							Commodity.		
226,95	DE000N	WTI	OIL-WTI	Initially	The	(i) First	A date, as	ICE	The close
0	G54NC1	Crude Oil	-NYME	Bloomberg	price	nearby	determined	Futures	of trading
			X	code: CLF3	1	month	by the	US Softs	on the
			11	<cmdty> and</cmdty>		of	Calculation	C S Solis	Exchange
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226,95	DE000N	WTI	OIL-WTI	Initially	The	(i) First	A date, as	ICE	The close
1	G54ND9	Crude Oil	-NYME	Bloomberg	price	nearby	determined	Futures	of trading
1	GSHND	Crude on	X	code: CLF3	Pilos	month	by the	US Softs	on the
			X	<cmdty> and</cmdty>		of	Calculation	C5 501ts	Exchange
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226,95	DE000N	WTI	OIL-WTI	Initially	The	(i) First	A date, as	ICE	The close
2	G54NE7	Crude Oil	-NYME	Bloomberg	price	nearby	determined	Futures	of trading
			X	code: CLF3	1	month	by the	US Softs	on the
				<cmdty> and</cmdty>		of	Calculation		Exchange
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226,95	DE000N	WTI	OIL-WTI	Initially	The	(i) First	A date, as	ICE	The close
3	G54NF4	Crude Oil	-NYME	Bloomberg	price	nearby	determined	Futures	of trading
	3341114	Crude on	X	code: CLF3	Pilos	month	by the	US Softs	on the
			Λ	<cmdty> and</cmdty>		of	Calculation	C5 501ts	Exchange
				after the first		expiratio	Agent, in the		Exchange
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	DE000N	WTI	OIL-WTI		The	(i) First	A date, as	ICE	The close
4	G54NG2	Crude Oil	-NYME	Bloomberg	price	nearby	determined	Futures	of trading
			X	code: CLF3		month	by the	US Softs	on the
				<cmdty> and</cmdty>		of	Calculation		Exchange
				after the first		expiratio	Agent, in the		
				Rollover Date		n or (ii)	period		
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226,95	DE000N	WTI	OIL-WTI	Initially	The	(i) First	A date, as	ICE	The close
5	G54NH0	Crude Oil	-NYME	Bloomberg	price	nearby	determined	Futures	of trading
	GSHIIIO	Crude on	X	code: CLF3	Pilos	month	by the	US Softs	on the
			Λ	<cmdty> and</cmdty>		of	Calculation	C5 501ts	Exchange
				after the first		expiratio	Agent, in the		Exchange
				Rollover Date		n or (ii)	period		
				the Bloomberg		the	commencing		
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				to the relevant			previous		
				Futures		expiratio	Rollover		
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	DE000N	WTI	OIL-WTI		The	(i) First	A date, as	ICE	The close
6	G54NJ6	Crude Oil	-NYME	Bloomberg	price	nearby	determined	Futures	of trading
			X	code: CLF3		month	by the	US Softs	on the
				<cmdty> and</cmdty>		of	Calculation		Exchange
				after the first		expiratio	Agent, in the		
				Rollover Date		n or (ii)	period		
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28	Fund Certificate Provisions	Not Applicable
29	Government Bond Certificate Provisions	Not Applicable
30	Other Bond Certificate Provisions	Not Applicable
31	Index Futures Certificate Provisions	Not Applicable

31	Index Futures Certificate Provisions	Not Applicable
Signed	I on behalf of the Issuer:	
Ву:		
Duly a	uthorised	
Ву:		

Duly authorised

PART B - OTHER INFORMATION

1 LISTING

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

2 RATINGS

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

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

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

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

5 INFORMATION CONCERNING THE UNDERLYING

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

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

6 POST-ISSUANCE INFORMATION

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

7 OPERATIONAL INFORMATION

(i)ISIN Code	(ii) Common Code	(iii) Other relevant code
DE000NG54G97	Not Applicable	NG54G9
DE000NG54HA7	Not Applicable	NG54HA
DE000NG54HB5	Not Applicable	NG54HB
DE000NG54HC3	Not Applicable	NG54HC
DE000NG54HD1	Not Applicable	NG54HD
DE000NG54HE9	Not Applicable	NG54HE

DE000NG54HF6	Not Applicable	NG54HE
DE000NG54HG4	Not Applicable	NG54HG
DE000NG54HH2	Not Applicable	NG54HH
DE000NG54HJ8	Not Applicable	NG54HH NG54HJ
DE000NG54HK6	Not Applicable	
DE000NG54HL4	Not Applicable	NG54HK
DE000NG54HM2	* *	NG54HL
DE000NG54HN0	Not Applicable Not Applicable	NG54HM
DE000NG54HP5	* *	NG54HN
DE000NG54HQ3	Not Applicable	NG54HP
DE000NG54HQ3	Not Applicable	NG54HQ
DE000NG54HS9	Not Applicable	NG54HR
DE000NG54HT7	Not Applicable	NG54HS
	Not Applicable	NG54HT
DE000NG54HU5	Not Applicable	NG54HU
DE000NG54HV3	Not Applicable	NG54HV
DE000NG54HW1	Not Applicable	NG54HW
DE000NG54HX9	Not Applicable	NG54HX
DE000NG54HY7	Not Applicable	NG54HY
DE000NG54HZ4	Not Applicable	NG54HZ
DE000NG54H05	Not Applicable	NG54H0
DE000NG54H13	Not Applicable	NG54H1
DE000NG54H21	Not Applicable	NG54H2
DE000NG54H39	Not Applicable	NG54H3
DE000NG54H47	Not Applicable	NG54H4
DE000NG54H54	Not Applicable	NG54H5
DE000NG54H62	Not Applicable	NG54H6
DE000NG54H70	Not Applicable	NG54H7
DE000NG54H88	Not Applicable	NG54H8
DE000NG54H96	Not Applicable	NG54H9
DE000NG54JA3	Not Applicable	NG54JA
DE000NG54JB1	Not Applicable	NG54JB
DE000NG54JC9	Not Applicable	NG54JC
DE000NG54JD7	Not Applicable	NG54JD
DE000NG54JE5	Not Applicable	NG54JE
DE000NG54JF2	Not Applicable	NG54JF
DE000NG54JG0	Not Applicable	NG54JG
DE000NG54JH8	Not Applicable	NG54JH
DE000NG54JJ4	Not Applicable	NG54JJ
DE000NG54JK2	Not Applicable	NG54JK
DE000NG54JL0	Not Applicable	NG54JL
DE000NG54JM8	Not Applicable	NG54JM
DE000NG54JN6	Not Applicable	NG54JN
DE000NG54JP1	Not Applicable	NG54JP
DE000NG54JQ9	Not Applicable	NG54JQ
DE000NG54JR7	Not Applicable	NG54JR
DE000NG54JS5	Not Applicable	NG54JS
DE000NG54JT3	Not Applicable	NG54JT
DE000NG54JU1	Not Applicable	NG54JU
DE000NG54JV9	Not Applicable	NG54JV
DE000NG54JW7	Not Applicable	NG54JW
DE000NG54JX5	Not Applicable	NG54JX
DE000NG54JY3	Not Applicable	NG54JY
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DE000NG54JZ0	Not Applicable	NG5417
DE000NG54J03	Not Applicable Not Applicable	NG54JZ
DE000NG54J11		NG54J0
DE000NG54J11 DE000NG54J29	Not Applicable	NG54J1
DE000NG54J29 DE000NG54J37	Not Applicable	NG54J2
	Not Applicable	NG54J3
DE000NG54J45	Not Applicable	NG54J4
DE000NG54J52	Not Applicable	NG54J5
DE000NG54J60	Not Applicable	NG54J6
DE000NG54J78	Not Applicable	NG54J7
DE000NG54J86	Not Applicable	NG54J8
DE000NG54J94	Not Applicable	NG54J9
DE000NG54KA1	Not Applicable	NG54KA
DE000NG54KB9	Not Applicable	NG54KB
DE000NG54KC7	Not Applicable	NG54KC
DE000NG54KD5	Not Applicable	NG54KD
DE000NG54KE3	Not Applicable	NG54KE
DE000NG54KF0	Not Applicable	NG54KF
DE000NG54KG8	Not Applicable	NG54KG
DE000NG54KH6	Not Applicable	NG54KH
DE000NG54KJ2	Not Applicable	NG54KJ
DE000NG54KK0	Not Applicable	NG54KK
DE000NG54KL8	Not Applicable	NG54KL
DE000NG54KM6	Not Applicable	NG54KM
DE000NG54KN4	Not Applicable	NG54KN
DE000NG54KP9	Not Applicable	NG54KP
DE000NG54KQ7	Not Applicable	NG54KQ
DE000NG54KR5	Not Applicable	NG54KR
DE000NG54KS3	Not Applicable	NG54KS
DE000NG54KT1	Not Applicable	NG54KT
DE000NG54KU9	Not Applicable	NG54KU
DE000NG54KV7	Not Applicable	NG54KV
DE000NG54KW5	Not Applicable	NG54KW
DE000NG54KX3	Not Applicable	NG54KX
DE000NG54KY1	Not Applicable	NG54KY
DE000NG54KZ8	Not Applicable	NG54KZ
DE000NG54K00	Not Applicable	NG54K0
DE000NG54K18	Not Applicable	NG54K1
DE000NG54K26	Not Applicable	NG54K2
DE000NG54K34	Not Applicable	NG54K3
DE000NG54K42	Not Applicable	NG54K4
DE000NG54K59	Not Applicable	NG54K5
DE000NG54K67	Not Applicable	NG54K6
DE000NG54K75	Not Applicable	NG54K7
DE000NG54K83	Not Applicable	NG54K8
DE000NG54K91	Not Applicable	NG54K9
DE000NG54LA9	Not Applicable	NG54LA
DE000NG54LB7	Not Applicable	NG54LB
DE000NG54LC5	Not Applicable	NG54LC
DE000NG54LD3	Not Applicable	NG54LD
DE000NG54LE1	Not Applicable	NG54LE
DE000NG54LF8	Not Applicable	NG54LF
DE000NG54LG6	Not Applicable	NG54LG
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DE000NG54LH4	Not Applicable	NOSALII
DE000NG54LH4 DE000NG54LJ0	Not Applicable	NG54LH
DE000NG54LK8	Not Applicable	NG54LV
DE000NG54LL6	Not Applicable	NG54LK
DE000NG54LM4	Not Applicable	NG54LL
DE000NG54LN2	Not Applicable	NG54LM
	Not Applicable	NG54LN
DE000NG54LP7	Not Applicable	NG54LP
DE000NG54LQ5	Not Applicable	NG54LQ
DE000NG54LR3	Not Applicable	NG54LR
DE000NG54LS1	Not Applicable	NG54LS
DE000NG54LT9	Not Applicable	NG54LT
DE000NG54LU7	Not Applicable	NG54LU
DE000NG54LV5	Not Applicable	NG54LV
DE000NG54LW3	Not Applicable	NG54LW
DE000NG54LX1	Not Applicable	NG54LX
DE000NG54LY9	Not Applicable	NG54LY
DE000NG54LZ6	Not Applicable	NG54LZ
DE000NG54L09	Not Applicable	NG54L0
DE000NG54L17	Not Applicable	NG54L1
DE000NG54L25	Not Applicable	NG54L2
DE000NG54L33	Not Applicable	NG54L3
DE000NG54L41	Not Applicable	NG54L4
DE000NG54L58	Not Applicable	NG54L5
DE000NG54L66	Not Applicable	NG54L6
DE000NG54L74	Not Applicable	NG54L7
DE000NG54L82	Not Applicable	NG54L8
DE000NG54L90	Not Applicable	NG54L9
DE000NG54MA7	Not Applicable	NG54MA
DE000NG54MB5	Not Applicable	NG54MB
DE000NG54MC3	Not Applicable	NG54MC
DE000NG54MD1	Not Applicable	NG54MD
DE000NG54ME9	Not Applicable	NG54ME
DE000NG54MF6	Not Applicable	NG54MF
DE000NG54MG4	Not Applicable	NG54MG
DE000NG54MH2	Not Applicable	NG54MH
DE000NG54MJ8	Not Applicable	NG54MJ
DE000NG54MK6	Not Applicable	NG54MK
DE000NG54ML4	Not Applicable	NG54ML
DE000NG54MM2	Not Applicable	NG54MM
DE000NG54MN0	Not Applicable	NG54MN
DE000NG54MP5	Not Applicable	NG54MP
DE000NG54MQ3	Not Applicable	NG54MQ
DE000NG54MR1	Not Applicable	NG54MR
DE000NG54MS9	Not Applicable	NG54MS
DE000NG54MT7	Not Applicable	NG54MT
DE000NG54MU5	Not Applicable	NG54MU
DE000NG54MV3	Not Applicable	NG54MV
DE000NG54MW1	Not Applicable	NG54MW
DE000NG54MX9	Not Applicable	NG54MX
DE000NG54MY7	Not Applicable	NG54MY
DE000NG54MZ4	Not Applicable	NG54MZ
DE000NG54M08	Not Applicable	NG54M0
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DE000NG54M16	Not Applicable	NG54M1
DE000NG54M24	Not Applicable	NG54M2
DE000NG54M32	Not Applicable	NG54M3
DE000NG54M40	Not Applicable	NG54M4
DE000NG54M57	Not Applicable	NG54M5
DE000NG54M65	Not Applicable	NG54M6
DE000NG54M73	Not Applicable	NG54M7
DE000NG54M81	Not Applicable	NG54M8
DE000NG54M99	Not Applicable	NG54M9
DE000NG54NA5	Not Applicable	NG54NA
DE000NG54NB3	Not Applicable	NG54NB
DE000NG54NC1	Not Applicable	NG54NC
DE000NG54ND9	Not Applicable	NG54ND
DE000NG54NE7	Not Applicable	NG54NE
DE000NG54NF4	Not Applicable	NG54NF
DE000NG54NG2	Not Applicable	NG54NG
DE000NG54NH0	Not Applicable	NG54NH
DE000NG54NJ6	Not Applicable	NG54NJ
DE000NG54NK4	Not Applicable	NG54NK
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(iv)	Name of the Principal Certificate Agent	ING Bank N.V.

8 DISTRIBUTION

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