

Bekanntmachung in Bezug auf
Mini Future Optionsscheine
der Goldman Sachs Bank Europe SE
bezogen auf
Währungs-Wechselkurse

Für die in der nachstehenden Tabelle genannten Mini Future Optionsscheine wird entsprechend den den Mini Future Optionsscheinen zugrundeliegenden Bedingungen mit Wirkung zum 18. September 2023 die Zinsmarge wie folgt angepasst:

ISIN	Name des Währungs- Wechselkurses	Zinsmarge (alt)	Zinsmarge (neu)
DE000GM2KM07	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GA0WT52	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GB2H1A8	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GB2H0G7	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GB3RLN8	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GB7Q1M7	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GB7Q1Q8	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GB7Q1R6	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GB7Q1T2	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GB7Q1U0	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GB7Q1V8	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GB7Q227	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GB7Q235	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GB7Q243	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000CH0WR82	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GC3K004	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GC3K3B4	EUR/CHF (WM Company FX-Fixing)	1,8%	4%

ISIN	Name des Währungs- Wechselkurses	Zinsmarge (alt)	Zinsmarge (neu)
	Company FX-Fixing)		
DE000GC356L4	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GC4SGY0	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GC4UNQ8	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GF2FU24	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GF39Y79	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GF4KFAQ2	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GF4KFR0	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GF5RS54	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GF62R29	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GF8DHH3	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GH2RJU3	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GH3U2Z2	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GH44320	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GH443J9	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GH446X3	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GH47CC0	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GH4BKE5	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GH4BKL0	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GH4BKQ9	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GH4BK65	EUR/CHF (WM Company FX-Fixing)	1,8%	4%

ISIN	Name des Währungs- Wechselkurses	Zinsmarge (alt)	Zinsmarge (neu)
DE000GH4VJD7	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GH4VJF2	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GH4VJE5	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GH4VJS5	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GH5GQ89	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GH5GQ14	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GH5GQF5	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GH5KT07	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GH5KSX6	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GH5TG94	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GH5THB6	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GH7MS95	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GH7RHH3	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GH7RHE0	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GH7RGJ1	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GH7RFT2	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GH7RHF7	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GH7RG94	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GH7RFG9	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GH7RH44	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GH7W1C7	EUR/GBP (WM	3%	3,5%

ISIN	Name des Währungs- Wechselkurses	Zinsmarge (alt)	Zinsmarge (neu)
	Company FX-Fixing)		
DE000GH81AQ3	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GH81BP3	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GH8ARU9	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GH8ARQ7	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GH8L7W4	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GH8L9C2	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GH8L8E0	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GH8L964	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GH8L8P6	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GH8L7X2	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GH8L7Y0	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GH8L758	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GH8L7S2	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GH8L865	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GH8L8J9	EUR/JPY (WM Company FX-Fixing)	3%	3,5%
DE000GH8Z8U0	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GH9KS38	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GH9KS12	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GH9W2Z4	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GH9W2N0	EUR/GBP (WM Company FX-Fixing)	3%	3,5%

ISIN	Name des Währungs- Wechselkurses	Zinsmarge (alt)	Zinsmarge (neu)
DE000GX12BU5	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GX12C41	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GX2XXY4	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GX2XZ87	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GX2XY21	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GX46GD8	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GX46HB0	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GX46GR8	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GX46H87	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GX46G88	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GX46HF1	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GX46HJ3	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GX34WW1	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GX4FMQ6	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GX4FMS2	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GX4FN57	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GX4L4Y8	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GX75U35	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GX78473	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GX784F4	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GX7M9N6	EUR/GBP (WM	3%	3,5%

ISIN	Name des Währungs- Wechselkurses	Zinsmarge (alt)	Zinsmarge (neu)
	Company FX-Fixing)		
DE000GX7M9V9	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GX88TX1	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GX88TQ5	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GK00YL8	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK00YK0	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK00YS3	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK00ZW2	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK00ZX0	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK00ZG5	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK00Z19	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK00ZP6	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK00Z43	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK00ZY8	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK00ZF7	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK0UG74	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK2FZT1	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK2FZJ2	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK2G004	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK2FZV7	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK2FZU9	EUR/CHF (WM Company FX-Fixing)	1,8%	4%

ISIN	Name des Währungs- Wechselkurses	Zinsmarge (alt)	Zinsmarge (neu)
DE000GK2FZB9	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK34QQ2	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GK4DU99	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GK4N3F4	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GX8U8T4	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GX8U8L1	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GX8U8F3	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK64082	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GK6GMS0	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GK6MJZ9	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK6MJV8	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK6MJK1	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK6MJQ8	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK6TQM7	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK6TQT2	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK6TQR6	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK6TR29	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK6TR37	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK6TQX4	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK6TQY2	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK6TQU0	EUR/CHF (WM	1,8%	4%

ISIN	Name des Währungs- Wechselkurses	Zinsmarge (alt)	Zinsmarge (neu)
	Company FX-Fixing)		
DE000GK6TR11	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK6TQQ8	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK6TQP0	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK6TQZ9	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK6TQJ3	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK6TQN5	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK6TQW6	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK77R33	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK77R90	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK7MC55	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK7MBU5	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK7MBK6	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK7MC30	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK7MBL4	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK7MC14	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK7MC06	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK7MBX9	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK7MC71	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK7MBW1	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK7MBV3	EUR/CHF (WM Company FX-Fixing)	1,8%	4%

ISIN	Name des Währungs- Wechselkurses	Zinsmarge (alt)	Zinsmarge (neu)
DE000GK7MBN0	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK7MBZ4	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK7MC63	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK81T43	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK81UD3	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK81UA9	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK81T01	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK81T19	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK81U81	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK81U24	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK81U73	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK81TJ2	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK81U65	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK81T76	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK81T84	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK81UB7	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK81TS3	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK81U16	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK81SZ0	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK81TC7	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK81TL8	EUR/GBP (WM	3%	3,5%

ISIN	Name des Währungs- Wechselkurses	Zinsmarge (alt)	Zinsmarge (neu)
	Company FX-Fixing)		
DE000GK81TA1	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GK8A5T1	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GK8D5V4	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK8D5C4	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GK8D5Q4	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK8D529	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GK8D5W2	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GK8RUZ1	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK8RUW8	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK8RUS6	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK8RUV0	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK8ZY61	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GK94PC8	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK94P42	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK94PB0	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK94PA2	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK94P26	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GK94P75	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GZ0TYY2	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GZ0W7F6	EUR/GBP (WM Company FX-Fixing)	3%	3,5%

ISIN	Name des Währungs- Wechselkurses	Zinsmarge (alt)	Zinsmarge (neu)
DE000GZ0W7G4	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GZ1C6C8	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GZ1NBJ2	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GZ2K7L6	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GZ2WGR3	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GZ2YUG3	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GZ3AWN3	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GZ3PKJ4	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GZ3SS61	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GZ78P11	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GZ84VQ5	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GZ90TW4	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GZ9EV74	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GP00PG5	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GP00PD2	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GP00PE0	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GP06ZR8	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GP0ZA33	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GP0ZA17	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GP1CV00	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GP2R147	EUR/CHF (WM	1,8%	4%

ISIN	Name des Währungs- Wechselkurses	Zinsmarge (alt)	Zinsmarge (neu)
	Company FX-Fixing)		
DE000GP2R154	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GP2R162	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GP2R121	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GP39QV0	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GP4QVV4	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GZ9Y7Y6	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GP4TVP0	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GP4YKX7	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GP552F5	EUR/GBP (WM Company FX-Fixing)	3%	3,5%
DE000GP5LSL9	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GP7VTY5	EUR/CHF (WM Company FX-Fixing)	1,8%	4%
DE000GP8AK81	GBP/USD (WM Company FX-Fixing)	3%	3,5%
DE000GP9VMC2	GBP/USD (WM Company FX-Fixing)	3%	3,5%

Frankfurt am Main, 11. September 2023

Goldman Sachs Bank Europe SE

Announcement relating to the following
Mini Future Warrants
of Goldman Sachs Bank Europe SE
linked to
Foreign Exchange Rate

The Interest Margin of the Mini Future Warrants listed in the table below will be adjusted with effect from 18 September 2023 pursuant to the Conditions of the Mini Future Warrants as follows:

ISIN	Name of Foreign Exchange Rate	Interest Margin (old)	Interest Margin (new)
DE000GM2KM07	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GA0WT52	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GB2H1A8	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GB2H0G7	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GB3RLN8	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GB7Q1M7	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GB7Q1Q8	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GB7Q1R6	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GB7Q1T2	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GB7Q1U0	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GB7Q1V8	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GB7Q227	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GB7Q235	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GB7Q243	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000CH0WR82	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GC3K004	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GC3K3B4	EUR/CHF (WM Company FX-Fixing)	1.8%	4%

ISIN	Name of Foreign Exchange Rate	Interest Margin (old)	Interest Margin (new)
DE000GC356L4	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GC4SGY0	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GC4UNQ8	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GF2FU24	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GF39Y79	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GF4KFQ2	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GF4KFR0	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GF5RS54	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GF62R29	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GF8DHH3	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GH2RJU3	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GH3U2Z2	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GH44320	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GH443J9	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GH446X3	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GH47CC0	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GH4BKE5	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GH4BKL0	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GH4BKQ9	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GH4BK65	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GH4VJD7	EUR/CHF (WM Company FX-Fixing)	1.8%	4%

ISIN	Name of Foreign Exchange Rate	Interest Margin (old)	Interest Margin (new)
	Company FX-Fixing)		
DE000GH4VJF2	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GH4VJE5	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GH4VJS5	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GH5GQ89	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GH5GQ14	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GH5GQF5	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GH5KT07	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GH5KSX6	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GH5TG94	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GH5THB6	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GH7MS95	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GH7RHH3	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GH7RHE0	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GH7RGJ1	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GH7RFT2	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GH7RHF7	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GH7RG94	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GH7RFG9	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GH7RH44	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GH7W1C7	EUR/GBP (WM Company FX-Fixing)	3%	3.5%

ISIN	Name of Foreign Exchange Rate	Interest Margin (old)	Interest Margin (new)
DE000GH81AQ3	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GH81BP3	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GH8ARU9	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GH8ARQ7	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GH8L7W4	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GH8L9C2	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GH8L8E0	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GH8L964	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GH8L8P6	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GH8L7X2	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GH8L7Y0	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GH8L758	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GH8L7S2	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GH8L865	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GH8L8J9	EUR/JPY (WM Company FX-Fixing)	3%	3.5%
DE000GH8Z8U0	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GH9KS38	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GH9KS12	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GH9W2Z4	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GH9W2N0	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GX12BU5	EUR/GBP (WM Company FX-Fixing)	3%	3.5%

ISIN	Name of Foreign Exchange Rate	Interest Margin (old)	Interest Margin (new)
	Company FX-Fixing)		
DE000GX12C41	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GX2XXY4	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GX2XZ87	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GX2XY21	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GX46GD8	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GX46HB0	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GX46GR8	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GX46H87	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GX46G88	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GX46HF1	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GX46HJ3	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GX34WW1	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GX4FMQ6	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GX4FMS2	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GX4FN57	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GX4L4Y8	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GX75U35	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GX78473	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GX784F4	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GX7M9N6	EUR/GBP (WM Company FX-Fixing)	3%	3.5%

ISIN	Name of Foreign Exchange Rate	Interest Margin (old)	Interest Margin (new)
DE000GX7M9V9	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GX88TX1	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GX88TQ5	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GK00YL8	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK00YK0	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK00YS3	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK00ZW2	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK00ZX0	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK00ZG5	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK00Z19	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK00ZP6	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK00Z43	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK00ZY8	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK00ZF7	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK0UG74	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK2FZT1	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK2FZJ2	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK2G004	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK2FZV7	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK2FZU9	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK2FZB9	EUR/CHF (WM Company FX-Fixing)	1.8%	4%

ISIN	Name of Foreign Exchange Rate	Interest Margin (old)	Interest Margin (new)
	Company FX-Fixing)		
DE000GK34QQ2	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GK4DU99	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GK4N3F4	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GX8U8T4	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GX8U8L1	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GX8U8F3	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK64082	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GK6GMS0	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GK6MJZ9	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK6MJV8	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK6MJK1	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK6MJQ8	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK6TQM7	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK6TQT2	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK6TQR6	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK6TR29	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK6TR37	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK6TQX4	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK6TQY2	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK6TQU0	EUR/CHF (WM Company FX-Fixing)	1.8%	4%

ISIN	Name of Foreign Exchange Rate	Interest Margin (old)	Interest Margin (new)
DE000GK6TR11	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK6TQQ8	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK6TQP0	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK6TQZ9	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK6TQJ3	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK6TQN5	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK6TQW6	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK77R33	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK77R90	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK7MC55	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK7MBU5	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK7MBK6	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK7MC30	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK7MBL4	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK7MC14	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK7MC06	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK7MBX9	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK7MC71	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK7MBW1	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK7MBV3	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK7MBN0	EUR/CHF (WM Company FX-Fixing)	1.8%	4%

ISIN	Name of Foreign Exchange Rate	Interest Margin (old)	Interest Margin (new)
	Company FX-Fixing)		
DE000GK7MBZ4	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK7MC63	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK81T43	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK81UD3	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK81UA9	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK81T01	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK81T19	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK81U81	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK81U24	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK81U73	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK81TJ2	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK81U65	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK81T76	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK81T84	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK81UB7	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK81TS3	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK81U16	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK81SZ0	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK81TC7	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK81TL8	EUR/GBP (WM Company FX-Fixing)	3%	3.5%

ISIN	Name of Foreign Exchange Rate	Interest Margin (old)	Interest Margin (new)
DE000GK81TA1	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GK8A5T1	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GK8D5V4	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK8D5C4	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GK8D5Q4	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK8D529	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GK8D5W2	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GK8RUZ1	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK8RUW8	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK8RUS6	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK8RUV0	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK8ZY61	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GK94PC8	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK94P42	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK94PB0	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK94PA2	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK94P26	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GK94P75	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GZ0TYY2	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GZ0W7F6	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GZ0W7G4	GBP/USD (WM Company FX-Fixing)	3%	3.5%

ISIN	Name of Foreign Exchange Rate	Interest Margin (old)	Interest Margin (new)
	Company FX-Fixing)		
DE000GZ1C6C8	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GZ1NBJ2	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GZ2K7L6	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GZ2WGR3	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GZ2YUG3	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GZ3AWN3	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GZ3PKJ4	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GZ3SS61	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GZ78P11	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GZ84VQ5	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GZ90TW4	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GZ9EV74	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GP00PG5	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GP00PD2	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GP00PE0	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GP06ZR8	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GP0ZA33	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GP0ZA17	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GP1CV00	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GP2R147	EUR/CHF (WM Company FX-Fixing)	1.8%	4%

ISIN	Name of Foreign Exchange Rate	Interest Margin (old)	Interest Margin (new)
DE000GP2R154	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GP2R162	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GP2R121	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GP39QV0	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GP4QVV4	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GZ9Y7Y6	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GP4TVP0	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GP4YKX7	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GP552F5	EUR/GBP (WM Company FX-Fixing)	3%	3.5%
DE000GP5LSL9	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GP7VTY5	EUR/CHF (WM Company FX-Fixing)	1.8%	4%
DE000GP8AK81	GBP/USD (WM Company FX-Fixing)	3%	3.5%
DE000GP9VMC2	GBP/USD (WM Company FX-Fixing)	3%	3.5%

Frankfurt am Main, 11 September 2023

Goldman Sachs Bank Europe SE