



**Prices and yields
of listed Federal securities**
July 2019

Prices and yields of listed Federal securities as of 01.07.19

ISIN 1)	Issue 2) 4)	Maturity date	Residual life y/m	Issue volume €billion	Price 3) as of 01.07.19	Yield	"Dirty price"
DE000 113538 2	3.500 Bund 09	04.07.2019	0 / 0	24.00	100.017	-2.61	103.507
DE000 110469 3	0.000 BSA 17 III	13.09.2019	0 / 2	13.00	100.115	-0.58	100.115
DE000 114170 3	0.250 BO S 170	11.10.2019	0 / 3	16.00	100.243	-0.63	100.425
DE000 110470 1	0.000 BSA 17 IV	13.12.2019	0 / 5	13.00	100.289	-0.65	100.289
DE000 113539 0	3.250 Bund 09	04.01.2020	0 / 6	22.00	102.024	-0.72	103.627
DE000 110471 9	0.000 BSA 18	13.03.2020	0 / 8	13.00	100.481	-0.69	100.481
DE000 103052 6	1.750 Bund 09 index.	15.04.2020	0 / 9	16.00	101.000	0.47	116.233
DE000 114171 1	0.000 BO S 171	17.04.2020	0 / 9	20.00	100.542	-0.68	100.542
DE000 110472 7	0.000 BSA 18 II	12.06.2020	0 / 11	12.00	100.644	-0.68	100.644
DE000 113540 8	3.000 Bund 10	04.07.2020	1 / 0	22.00	103.712	-0.68	106.704
DE000 113541 6	2.250 Bund 10	04.09.2020	1 / 2	16.00	103.512	-0.72	105.374
DE000 110473 5	0.000 BSA 18 III	11.09.2020	1 / 2	12.00	100.848	-0.71	100.848
DE000 114172 9	0.250 BO S 172	16.10.2020	1 / 3	19.00	101.253	-0.71	101.431
DE000 110474 3	0.000 BSA 18 IV	11.12.2020	1 / 5	12.00	101.065	-0.73	101.065
DE000 113542 4	2.500 Bund 10	04.01.2021	1 / 6	19.00	105.018	-0.80	106.251
DE000 110475 0	0.000 BSA 19	12.03.2021	1 / 8	13.00	101.274	-0.75	101.274
DE000 114173 7	0.000 BO S 173	09.04.2021	1 / 9	21.00	101.326	-0.74	101.326
DE000 110476 8	0.000 BSA 19	11.06.2021	1 / 11	5.00	101.478	-0.75	101.478
DE000 113545 7	2.250 Bund 11	04.09.2021	2 / 2	16.00	106.610	-0.76	108.472
DE000 114174 5	0.000 BO S 174	08.10.2021	2 / 3	19.00	101.740	-0.76	101.740
DE000 113546 5	2.000 Bund 11	04.01.2022	2 / 6	20.00	107.030	-0.77	108.016
DE000 114175 2	0.000 BO S 175	08.04.2022	2 / 9	18.00	102.140	-0.76	102.140
DE000 113547 3	1.750 Bund 12	04.07.2022	3 / 0	24.00	107.650	-0.76	109.395
DE000 113549 9	1.500 Bund 12	04.09.2022	3 / 2	18.00	107.280	-0.76	108.521
DE000 114176 0	0.000 BO S 176	07.10.2022	3 / 3	17.00	102.510	-0.76	102.510
DE000 110230 9	1.500 Bund 13	15.02.2023	3 / 7	18.00	108.260	-0.74	108.827
DE000 114177 8	0.000 BO S 177	14.04.2023	3 / 9	16.00	102.830	-0.74	102.830
DE000 103054 2	0.100 Bund 12 index.	15.04.2023	3 / 9	16.00	105.410	-1.29	114.251
DE000 110231 7	1.500 Bund 13 II	15.05.2023	3 / 10	18.00	108.800	-0.74	109.001
DE000 110232 5	2.000 Bund 13	15.08.2023	4 / 1	18.00	111.410	-0.72	113.174
DE000 114178 6	0.000 BO S 178	13.10.2023	4 / 3	16.00	103.100	-0.71	103.100
DE000 113492 2	6.250 Bund 94	04.01.2024	4 / 6	10.25	131.970	-0.71	135.052
DE000 110233 3	1.750 Bund 14	15.02.2024	4 / 7	18.00	111.500	-0.69	112.162
DE000 114179 4	0.000 BO S 179	05.04.2024	4 / 9	18.00	103.240	-0.67	103.240
DE000 110235 8	1.500 Bund 14	15.05.2024	4 / 10	18.00	110.810	-0.68	111.011
DE000 110236 6	1.000 Bund 14	15.08.2024	5 / 1	18.00	108.670	-0.66	109.552
DE000 110237 4	0.500 Bund 15	15.02.2025	5 / 7	23.00	106.500	-0.63	106.689
DE000 110238 2	1.000 Bund 15	15.08.2025	6 / 1	23.00	110.050	-0.61	110.932
DE000 110239 0	0.500 Bund 16	15.02.2026	6 / 7	26.00	107.270	-0.57	107.459
DE000 103056 7	0.100 Bund 15 index.	15.04.2026	6 / 9	16.20	110.040	-1.31	116.083
DE000 110240 8	0.000 Bund 16	15.08.2026	7 / 1	25.00	103.930	-0.54	103.930
DE000 110241 6	0.250 Bund 17	15.02.2027	7 / 7	26.00	105.870	-0.50	105.965
DE000 113504 4	6.500 Bund 97	04.07.2027	8 / 0	11.25	157.070	-0.48	163.552
DE000 110242 4	0.500 Bund 17	15.08.2027	8 / 1	25.00	108.030	-0.47	108.471
DE000 113506 9	5.625 Bund 98	04.01.2028	8 / 6	14.50	152.900	-0.46	155.674
DE000 110244 0	0.500 Bund 18	15.02.2028	8 / 7	21.00	108.130	-0.42	108.319
DE000 113508 5	4.750 Bund 98 II	04.07.2028	9 / 0	11.25	147.530	-0.42	152.267
DE000 110245 7	0.250 Bund 18	15.08.2028	9 / 1	21.00	105.820	-0.38	106.063
DE000 110246 5	0.250 Bund 19	15.02.2029	9 / 7	19.00	105.710	-0.33	105.828
DE000 113514 3	6.250 Bund 00	04.01.2030	10 / 6	9.25	170.830	-0.35	173.912
DE000 103055 9	0.500 Bund 14 index.	15.04.2030	10 / 9	13.30	119.520	-1.19	126.508
DE000 113517 6	5.500 Bund 00	04.01.2031	11 / 6	17.00	167.920	-0.29	170.632
DE000 113522 6	4.750 Bund 03	04.07.2034	15 / 0	20.00	173.800	-0.12	178.537
DE000 113527 5	4.000 Bund 05	04.01.2037	17 / 6	23.00	170.540	-0.02	172.513
DE000 113532 5	4.250 Bund 07	04.07.2039	20 / 0	14.00	183.390	0.06	187.628
DE000 113536 6	4.750 Bund 08	04.07.2040	21 / 0	16.00	197.540	0.07	202.277
DE000 113543 2	3.250 Bund 10	04.07.2042	23 / 0	15.00	170.500	0.14	173.741
DE000 113548 1	2.500 Bund 12	04.07.2044	25 / 0	27.50	155.960	0.20	158.453
DE000 103057 5	0.100 Bund 15 index. II	15.04.2046	26 / 9	8.45	130.120	-0.89	138.294
DE000 110234 1	2.500 Bund 14	15.08.2046	27 / 1	27.00	159.330	0.24	161.535
DE000 110243 2	1.250 Bund 17	15.08.2048	29 / 1	15.50	127.350	0.27	128.453

1) The six-digit part of the ISIN in bold print is the same as the current German security identification number

2) BSA: Federal Treasury note (Schatz), BO: Five-year Federal note (Bobl), Bund: Federal bond (Bund)

3) Bundesbank reference price on the Frankfurt Stock Exchange

4) Only for inflation-linked bonds: yield in real terms reported without adjustment for inflation;

the actual total amount is calculated from the product of the price including interest accrued and an index ratio.

Prices and yields of listed Federal securities as of 02.07.19

ISIN 1)	Issue 2) 4)	Maturity date	Residual life y/m	Issue volume €billion	Price 3) as of 02.07.19	Yield	"Dirty price"
DE000 110469 3	0.000 BSA 17 III	13.09.2019	0 / 2	13.00	100.123	-0.63	100.123
DE000 114170 3	0.250 BO S 170	11.10.2019	0 / 3	16.00	100.241	-0.64	100.423
DE000 110470 1	0.000 BSA 17 IV	13.12.2019	0 / 5	13.00	100.290	-0.65	100.290
DE000 113539 0	3.250 Bund 09	04.01.2020	0 / 6	22.00	102.021	-0.73	103.633
DE000 110471 9	0.000 BSA 18	13.03.2020	0 / 8	13.00	100.488	-0.70	100.488
DE000 103052 6	1.750 Bund 09 index.	15.04.2020	0 / 9	16.00	101.000	0.46	116.243
DE000 114171 1	0.000 BO S 171	17.04.2020	0 / 9	20.00	100.547	-0.69	100.547
DE000 110472 7	0.000 BSA 18 II	12.06.2020	0 / 11	12.00	100.664	-0.70	100.664
DE000 113540 8	3.000 Bund 10	04.07.2020	1 / 0	22.00	103.724	-0.70	103.724
DE000 113541 6	2.250 Bund 10	04.09.2020	1 / 2	16.00	103.515	-0.73	105.383
DE000 110473 5	0.000 BSA 18 III	11.09.2020	1 / 2	12.00	100.856	-0.71	100.856
DE000 114172 9	0.250 BO S 172	16.10.2020	1 / 3	19.00	101.270	-0.73	101.449
DE000 110474 3	0.000 BSA 18 IV	11.12.2020	1 / 5	12.00	101.078	-0.74	101.078
DE000 113542 4	2.500 Bund 10	04.01.2021	1 / 6	19.00	105.032	-0.81	106.272
DE000 110475 0	0.000 BSA 19	12.03.2021	1 / 8	13.00	101.283	-0.75	101.283
DE000 114173 7	0.000 BO S 173	09.04.2021	1 / 9	21.00	101.360	-0.76	101.360
DE000 110476 8	0.000 BSA 19	11.06.2021	1 / 11	5.00	101.510	-0.77	101.510
DE000 113545 7	2.250 Bund 11	04.09.2021	2 / 2	16.00	106.640	-0.77	108.508
DE000 114174 5	0.000 BO S 174	08.10.2021	2 / 3	19.00	101.775	-0.77	101.775
DE000 113546 5	2.000 Bund 11	04.01.2022	2 / 6	20.00	107.080	-0.79	108.072
DE000 114175 2	0.000 BO S 175	08.04.2022	2 / 9	18.00	102.210	-0.79	102.210
DE000 113547 3	1.750 Bund 12	04.07.2022	3 / 0	24.00	107.710	-0.78	107.710
DE000 113549 9	1.500 Bund 12	04.09.2022	3 / 2	18.00	107.350	-0.78	108.595
DE000 114176 0	0.000 BO S 176	07.10.2022	3 / 3	17.00	102.580	-0.78	102.580
DE000 110230 9	1.500 Bund 13	15.02.2023	3 / 7	18.00	108.340	-0.76	108.911
DE000 114177 8	0.000 BO S 177	14.04.2023	3 / 9	16.00	102.910	-0.76	102.910
DE000 103054 2	0.100 Bund 12 index.	15.04.2023	3 / 9	16.00	105.400	-1.28	114.246
DE000 110231 7	1.500 Bund 13 II	15.05.2023	3 / 10	18.00	108.890	-0.76	109.095
DE000 110232 5	2.000 Bund 13	15.08.2023	4 / 1	18.00	111.505	-0.74	113.275
DE000 114178 6	0.000 BO S 178	13.10.2023	4 / 3	16.00	103.195	-0.73	103.195
DE000 113492 2	6.250 Bund 94	04.01.2024	4 / 6	10.25	132.080	-0.73	135.179
DE000 110233 3	1.750 Bund 14	15.02.2024	4 / 7	18.00	111.620	-0.71	112.286
DE000 114179 4	0.000 BO S 179	05.04.2024	4 / 9	18.00	103.360	-0.69	103.360
DE000 110235 8	1.500 Bund 14	15.05.2024	4 / 10	18.00	110.930	-0.70	111.135
DE000 110236 6	1.000 Bund 14	15.08.2024	5 / 1	18.00	108.800	-0.68	109.685
DE000 110237 4	0.500 Bund 15	15.02.2025	5 / 7	23.00	106.640	-0.66	106.830
DE000 110238 2	1.000 Bund 15	15.08.2025	6 / 1	23.00	110.200	-0.63	111.085
DE000 110239 0	0.500 Bund 16	15.02.2026	6 / 7	26.00	107.440	-0.60	107.630
DE000 103056 7	0.100 Bund 15 index.	15.04.2026	6 / 9	16.20	110.070	-1.31	116.119
DE000 110240 8	0.000 Bund 16	15.08.2026	7 / 1	25.00	104.120	-0.57	104.120
DE000 110241 6	0.250 Bund 17	15.02.2027	7 / 7	26.00	106.080	-0.53	106.175
DE000 113504 4	6.500 Bund 97	04.07.2027	8 / 0	11.25	157.350	-0.51	157.350
DE000 110242 4	0.500 Bund 17	15.08.2027	8 / 1	25.00	108.260	-0.50	108.702
DE000 113506 9	5.625 Bund 98	04.01.2028	8 / 6	14.50	153.200	-0.49	155.989
DE000 110244 0	0.500 Bund 18	15.02.2028	8 / 7	21.00	108.400	-0.45	108.590
DE000 113508 5	4.750 Bund 98 II	04.07.2028	9 / 0	11.25	147.870	-0.45	147.870
DE000 110245 7	0.250 Bund 18	15.08.2028	9 / 1	21.00	106.110	-0.41	106.354
DE000 110246 5	0.250 Bund 19	15.02.2029	9 / 7	19.00	106.020	-0.36	106.139
DE000 113514 3	6.250 Bund 00	04.01.2030	10 / 6	9.25	171.220	-0.38	174.319
DE000 103055 9	0.500 Bund 14 index.	15.04.2030	10 / 9	13.30	119.720	-1.20	126.725
DE000 113517 6	5.500 Bund 00	04.01.2031	11 / 6	17.00	168.350	-0.32	171.077
DE000 113522 6	4.750 Bund 03	04.07.2034	15 / 0	20.00	174.270	-0.14	174.270
DE000 113527 5	4.000 Bund 05	04.01.2037	17 / 6	23.00	171.080	-0.04	173.064
DE000 113532 5	4.250 Bund 07	04.07.2039	20 / 0	14.00	183.930	0.04	183.930
DE000 113536 6	4.750 Bund 08	04.07.2040	21 / 0	16.00	198.120	0.05	198.120
DE000 113543 2	3.250 Bund 10	04.07.2042	23 / 0	15.00	171.070	0.12	171.070
DE000 113548 1	2.500 Bund 12	04.07.2044	25 / 0	27.50	156.460	0.19	156.460
DE000 103057 5	0.100 Bund 15 index. II	15.04.2046	26 / 9	8.45	130.100	-0.89	138.278
DE000 110234 1	2.500 Bund 14	15.08.2046	27 / 1	27.00	159.910	0.22	162.122
DE000 110243 2	1.250 Bund 17	15.08.2048	29 / 1	15.50	127.890	0.25	128.996

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4) Only for inflation-linked bonds: yield in real terms reported without adjustment for inflation;

the actual total amount is calculated from the product of the price including interest accrued and an index ratio.

Prices and yields of listed Federal securities as of 03.07.19

ISIN 1)	Issue 2) 4)	Maturity date	Residual life y/m	Issue volume €billion	Price 3) as of 03.07.19	Yield	"Dirty price"
DE000 110469 3	0.000 BSA 17 III	13.09.2019	0 / 2	13.00	100.110	-0.57	100.110
DE000 114170 3	0.250 BO S 170	11.10.2019	0 / 3	16.00	100.239	-0.64	100.422
DE000 110470 1	0.000 BSA 17 IV	13.12.2019	0 / 5	13.00	100.291	-0.66	100.291
DE000 113539 0	3.250 Bund 09	04.01.2020	0 / 6	22.00	102.005	-0.72	103.626
DE000 110471 9	0.000 BSA 18	13.03.2020	0 / 8	13.00	100.490	-0.71	100.490
DE000 103052 6	1.750 Bund 09 index.	15.04.2020	0 / 9	16.00	100.990	0.47	116.242
DE000 114171 1	0.000 BO S 171	17.04.2020	0 / 9	20.00	100.549	-0.70	100.549
DE000 110472 7	0.000 BSA 18 II	12.06.2020	0 / 11	12.00	100.670	-0.71	100.670
DE000 113540 8	3.000 Bund 10	04.07.2020	1 / 0	22.00	103.730	-0.71	103.738
DE000 113541 6	2.250 Bund 10	04.09.2020	1 / 2	16.00	103.513	-0.74	105.387
DE000 110473 5	0.000 BSA 18 III	11.09.2020	1 / 2	12.00	100.860	-0.72	100.860
DE000 114172 9	0.250 BO S 172	16.10.2020	1 / 3	19.00	101.276	-0.74	101.455
DE000 110474 3	0.000 BSA 18 IV	11.12.2020	1 / 5	12.00	101.082	-0.75	101.082
DE000 113542 4	2.500 Bund 10	04.01.2021	1 / 6	19.00	105.033	-0.82	106.280
DE000 110475 0	0.000 BSA 19	12.03.2021	1 / 8	13.00	101.300	-0.76	101.300
DE000 114173 7	0.000 BO S 173	09.04.2021	1 / 9	21.00	101.365	-0.77	101.365
DE000 110476 8	0.000 BSA 19	11.06.2021	1 / 11	5.00	101.518	-0.78	101.518
DE000 113545 7	2.250 Bund 11	04.09.2021	2 / 2	16.00	106.650	-0.78	108.524
DE000 114174 5	0.000 BO S 174	08.10.2021	2 / 3	19.00	101.780	-0.78	101.780
DE000 113546 5	2.000 Bund 11	04.01.2022	2 / 6	20.00	107.080	-0.79	108.077
DE000 114175 2	0.000 BO S 175	08.04.2022	2 / 9	18.00	102.220	-0.79	102.220
DE000 113547 3	1.750 Bund 12	04.07.2022	3 / 0	24.00	107.720	-0.79	107.725
DE000 113549 9	1.500 Bund 12	04.09.2022	3 / 2	18.00	107.360	-0.79	108.609
DE000 114176 0	0.000 BO S 176	07.10.2022	3 / 3	17.00	102.600	-0.78	102.600
DE000 110230 9	1.500 Bund 13	15.02.2023	3 / 7	18.00	108.370	-0.77	108.945
DE000 114177 8	0.000 BO S 177	14.04.2023	3 / 9	16.00	102.940	-0.76	102.940
DE000 103054 2	0.100 Bund 12 index.	15.04.2023	3 / 9	16.00	105.340	-1.27	114.185
DE000 110231 7	1.500 Bund 13 II	15.05.2023	3 / 10	18.00	108.910	-0.76	109.119
DE000 110232 5	2.000 Bund 13	15.08.2023	4 / 1	18.00	111.540	-0.75	113.315
DE000 114178 6	0.000 BO S 178	13.10.2023	4 / 3	16.00	103.240	-0.74	103.240
DE000 113492 2	6.250 Bund 94	04.01.2024	4 / 6	10.25	132.100	-0.74	135.216
DE000 110233 3	1.750 Bund 14	15.02.2024	4 / 7	18.00	111.670	-0.73	112.341
DE000 114179 4	0.000 BO S 179	05.04.2024	4 / 9	18.00	103.420	-0.71	103.420
DE000 110235 8	1.500 Bund 14	15.05.2024	4 / 10	18.00	110.990	-0.71	111.199
DE000 110236 6	1.000 Bund 14	15.08.2024	5 / 1	18.00	108.860	-0.70	109.748
DE000 114180 2	0.000 BO S 180	18.10.2024	5 / 3	4.00	103.570	-0.66	103.570
DE000 110237 4	0.500 Bund 15	15.02.2025	5 / 7	23.00	106.740	-0.67	106.932
DE000 110238 2	1.000 Bund 15	15.08.2025	6 / 1	23.00	110.320	-0.65	111.208
DE000 110239 0	0.500 Bund 16	15.02.2026	6 / 7	26.00	107.580	-0.62	107.772
DE000 103056 7	0.100 Bund 15 index.	15.04.2026	6 / 9	16.20	110.050	-1.31	116.104
DE000 110240 8	0.000 Bund 16	15.08.2026	7 / 1	25.00	104.280	-0.59	104.280
DE000 110241 6	0.250 Bund 17	15.02.2027	7 / 7	26.00	106.270	-0.55	106.366
DE000 113504 4	6.500 Bund 97	04.07.2027	8 / 0	11.25	157.600	-0.53	157.618
DE000 110242 4	0.500 Bund 17	15.08.2027	8 / 1	25.00	108.490	-0.52	108.934
DE000 113506 9	5.625 Bund 98	04.01.2028	8 / 6	14.50	153.480	-0.51	156.285
DE000 110244 0	0.500 Bund 18	15.02.2028	8 / 7	21.00	108.650	-0.48	108.842
DE000 113508 5	4.750 Bund 98 II	04.07.2028	9 / 0	11.25	148.190	-0.48	148.203
DE000 110245 7	0.250 Bund 18	15.08.2028	9 / 1	21.00	106.390	-0.44	106.635
DE000 110246 5	0.250 Bund 19	15.02.2029	9 / 7	19.00	106.320	-0.39	106.440
DE000 113514 3	6.250 Bund 00	04.01.2030	10 / 6	9.25	171.640	-0.41	174.756
DE000 103055 9	0.500 Bund 14 index.	15.04.2030	10 / 9	13.30	119.890	-1.22	126.911
DE000 113517 6	5.500 Bund 00	04.01.2031	11 / 6	17.00	168.840	-0.35	171.582
DE000 113522 6	4.750 Bund 03	04.07.2034	15 / 0	20.00	175.000	-0.18	175.013
DE000 113527 5	4.000 Bund 05	04.01.2037	17 / 6	23.00	171.940	-0.08	173.935
DE000 113532 5	4.250 Bund 07	04.07.2039	20 / 0	14.00	185.050	0.00	185.062
DE000 113536 6	4.750 Bund 08	04.07.2040	21 / 0	16.00	199.400	0.01	199.413
DE000 113543 2	3.250 Bund 10	04.07.2042	23 / 0	15.00	172.370	0.07	172.379
DE000 113548 1	2.500 Bund 12	04.07.2044	25 / 0	27.50	157.860	0.14	157.867
DE000 103057 5	0.100 Bund 15 index. II	15.04.2046	26 / 9	8.45	130.760	-0.91	138.985
DE000 110234 1	2.500 Bund 14	15.08.2046	27 / 1	27.00	161.410	0.18	163.629
DE000 110243 2	1.250 Bund 17	15.08.2048	29 / 1	15.50	129.270	0.21	130.380

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the actual total amount is calculated from the product of the price including interest accrued and an index ratio.

Prices and yields of listed Federal securities as of 04.07.19

ISIN 1)	Issue 2) 4)	Maturity date	Residual life y/m	Issue volume € billion	Price 3) as of 04.07.19	Yield	"Dirty price"
DE000 110469 3	0.000 BSA 17 III	13.09.2019	0 / 2	13.00	100.106	-0.58	100.106
DE000 114170 3	0.250 BO S 170	11.10.2019	0 / 3	16.00	100.230	-0.63	100.415
DE000 110470 1	0.000 BSA 17 IV	13.12.2019	0 / 5	13.00	100.284	-0.65	100.284
DE000 113539 0	3.250 Bund 09	04.01.2020	0 / 6	22.00	101.973	-0.72	103.620
DE000 110471 9	0.000 BSA 18	13.03.2020	0 / 8	13.00	100.479	-0.70	100.479
DE000 103052 6	1.750 Bund 09 index.	15.04.2020	0 / 9	16.00	100.940	0.52	116.215
DE000 114171 1	0.000 BO S 171	17.04.2020	0 / 9	20.00	100.534	-0.68	100.534
DE000 110472 7	0.000 BSA 18 II	12.06.2020	0 / 11	12.00	100.662	-0.71	100.662
DE000 113540 8	3.000 Bund 10	04.07.2020	1 / 0	22.00	103.702	-0.72	103.735
DE000 113541 6	2.250 Bund 10	04.09.2020	1 / 2	16.00	103.485	-0.73	105.377
DE000 110473 5	0.000 BSA 18 III	11.09.2020	1 / 2	12.00	100.850	-0.72	100.850
DE000 114172 9	0.250 BO S 172	16.10.2020	1 / 3	19.00	101.260	-0.73	101.442
DE000 110474 3	0.000 BSA 18 IV	11.12.2020	1 / 5	12.00	101.069	-0.74	101.069
DE000 113542 4	2.500 Bund 10	04.01.2021	1 / 6	19.00	104.985	-0.80	106.252
DE000 110475 0	0.000 BSA 19	12.03.2021	1 / 8	13.00	101.280	-0.76	101.280
DE000 114173 7	0.000 BO S 173	09.04.2021	1 / 9	21.00	101.346	-0.76	101.346
DE000 110476 8	0.000 BSA 19	11.06.2021	1 / 11	5.00	101.487	-0.76	101.487
DE000 113545 7	2.250 Bund 11	04.09.2021	2 / 2	16.00	106.600	-0.77	108.492
DE000 114174 5	0.000 BO S 174	08.10.2021	2 / 3	19.00	101.740	-0.76	101.740
DE000 113546 5	2.000 Bund 11	04.01.2022	2 / 6	20.00	107.040	-0.78	108.054
DE000 114175 2	0.000 BO S 175	08.04.2022	2 / 9	18.00	102.190	-0.78	102.190
DE000 113547 3	1.750 Bund 12	04.07.2022	3 / 0	24.00	107.680	-0.78	107.699
DE000 113549 9	1.500 Bund 12	04.09.2022	3 / 2	18.00	107.320	-0.78	108.582
DE000 114176 0	0.000 BO S 176	07.10.2022	3 / 3	17.00	102.570	-0.78	102.570
DE000 110230 9	1.500 Bund 13	15.02.2023	3 / 7	18.00	108.320	-0.76	108.908
DE000 114177 8	0.000 BO S 177	14.04.2023	3 / 9	16.00	102.910	-0.76	102.910
DE000 103054 2	0.100 Bund 12 index.	15.04.2023	3 / 9	16.00	105.300	-1.26	114.156
DE000 110231 7	1.500 Bund 13 II	15.05.2023	3 / 10	18.00	108.860	-0.76	109.081
DE000 110232 5	2.000 Bund 13	15.08.2023	4 / 1	18.00	111.480	-0.74	113.272
DE000 114178 6	0.000 BO S 178	13.10.2023	4 / 3	16.00	103.200	-0.74	103.200
DE000 113492 2	6.250 Bund 94	04.01.2024	4 / 6	10.25	131.980	-0.73	135.148
DE000 110233 3	1.750 Bund 14	15.02.2024	4 / 7	18.00	111.600	-0.72	112.286
DE000 114179 4	0.000 BO S 179	05.04.2024	4 / 9	18.00	103.370	-0.70	103.370
DE000 110235 8	1.500 Bund 14	15.05.2024	4 / 10	18.00	110.930	-0.71	111.151
DE000 110236 6	1.000 Bund 14	15.08.2024	5 / 1	18.00	108.810	-0.69	109.706
DE000 114180 2	0.000 BO S 180	18.10.2024	5 / 3	4.00	103.530	-0.65	103.530
DE000 110237 4	0.500 Bund 15	15.02.2025	5 / 7	23.00	106.660	-0.66	106.856
DE000 110238 2	1.000 Bund 15	15.08.2025	6 / 1	23.00	110.250	-0.64	111.146
DE000 110239 0	0.500 Bund 16	15.02.2026	6 / 7	26.00	107.530	-0.61	107.726
DE000 103056 7	0.100 Bund 15 index.	15.04.2026	6 / 9	16.20	110.020	-1.31	116.087
DE000 110240 8	0.000 Bund 16	15.08.2026	7 / 1	25.00	104.240	-0.58	104.240
DE000 110241 6	0.250 Bund 17	15.02.2027	7 / 7	26.00	106.230	-0.55	106.328
DE000 113504 4	6.500 Bund 97	04.07.2027	8 / 0	11.25	157.520	-0.53	157.591
DE000 110242 4	0.500 Bund 17	15.08.2027	8 / 1	25.00	108.460	-0.52	108.908
DE000 113506 9	5.625 Bund 98	04.01.2028	8 / 6	14.50	153.400	-0.51	156.251
DE000 110244 0	0.500 Bund 18	15.02.2028	8 / 7	21.00	108.610	-0.48	108.806
DE000 113508 5	4.750 Bund 98 II	04.07.2028	9 / 0	11.25	148.110	-0.48	148.162
DE000 110245 7	0.250 Bund 18	15.08.2028	9 / 1	21.00	106.370	-0.43	106.617
DE000 110246 5	0.250 Bund 19	15.02.2029	9 / 7	19.00	106.320	-0.39	106.442
DE000 113514 3	6.250 Bund 00	04.01.2030	10 / 6	9.25	171.630	-0.41	174.798
DE000 103055 9	0.500 Bund 14 index.	15.04.2030	10 / 9	13.30	119.850	-1.21	126.889
DE000 113517 6	5.500 Bund 00	04.01.2031	11 / 6	17.00	168.840	-0.36	171.628
DE000 113522 6	4.750 Bund 03	04.07.2034	15 / 0	20.00	175.060	-0.18	175.112
DE000 113527 5	4.000 Bund 05	04.01.2037	17 / 6	23.00	172.020	-0.08	174.047
DE000 113532 5	4.250 Bund 07	04.07.2039	20 / 0	14.00	185.130	-0.01	185.176
DE000 113536 6	4.750 Bund 08	04.07.2040	21 / 0	16.00	199.450	0.01	199.502
DE000 113543 2	3.250 Bund 10	04.07.2042	23 / 0	15.00	172.500	0.07	172.536
DE000 113548 1	2.500 Bund 12	04.07.2044	25 / 0	27.50	158.020	0.14	158.047
DE000 103057 5	0.100 Bund 15 index. II	15.04.2046	26 / 9	8.45	131.130	-0.92	139.396
DE000 110234 1	2.500 Bund 14	15.08.2046	27 / 1	27.00	161.620	0.17	163.860
DE000 110243 2	1.250 Bund 17	15.08.2048	29 / 1	15.50	129.500	0.20	130.620

1) The six-digit part of the ISIN in bold print is the same as the current German security identification number

2) BSA: Federal Treasury note (Schatz), BO: Five-year Federal note (Bobl), Bund: Federal bond (Bund)

3) Bundesbank reference price on the Frankfurt Stock Exchange

4) Only for inflation-linked bonds: yield in real terms reported without adjustment for inflation;

the actual total amount is calculated from the product of the price including interest accrued and an index ratio.

Prices and yields of listed Federal securities as of 05.07.19

ISIN 1)	Issue 2) 4)	Maturity date	Residual life y/m	Issue volume € billion	Price 3) as of 05.07.19	Yield	"Dirty price"
DE000 110469 3	0.000 BSA 17 III	13.09.2019	0 / 2	13.00	100.100	-0.54	100.100
DE000 114170 3	0.250 BO S 170	11.10.2019	0 / 3	16.00	100.227	-0.62	100.412
DE000 110470 1	0.000 BSA 17 IV	13.12.2019	0 / 5	13.00	100.284	-0.65	100.284
DE000 113539 0	3.250 Bund 09	04.01.2020	0 / 5	22.00	101.960	-0.70	103.607
DE000 110471 9	0.000 BSA 18	13.03.2020	0 / 8	13.00	100.473	-0.69	100.473
DE000 103052 6	1.750 Bund 09 index.	15.04.2020	0 / 9	16.00	100.950	0.51	116.226
DE000 114171 1	0.000 BO S 171	17.04.2020	0 / 9	20.00	100.533	-0.68	100.533
DE000 110472 7	0.000 BSA 18 II	12.06.2020	0 / 11	12.00	100.660	-0.71	100.660
DE000 113540 8	3.000 Bund 10	04.07.2020	0 / 11	22.00	103.694	-0.71	103.727
DE000 113541 6	2.250 Bund 10	04.09.2020	1 / 1	16.00	103.475	-0.72	105.367
DE000 110473 5	0.000 BSA 18 III	11.09.2020	1 / 2	12.00	100.853	-0.72	100.853
DE000 114172 9	0.250 BO S 172	16.10.2020	1 / 3	19.00	101.260	-0.73	101.442
DE000 110474 3	0.000 BSA 18 IV	11.12.2020	1 / 5	12.00	101.070	-0.74	101.070
DE000 113542 4	2.500 Bund 10	04.01.2021	1 / 5	19.00	104.974	-0.80	106.241
DE000 110475 0	0.000 BSA 19	12.03.2021	1 / 8	13.00	101.278	-0.75	101.278
DE000 114173 7	0.000 BO S 173	09.04.2021	1 / 9	21.00	101.342	-0.76	101.342
DE000 110476 8	0.000 BSA 19	11.06.2021	1 / 11	5.00	101.488	-0.76	101.488
DE000 113545 7	2.250 Bund 11	04.09.2021	2 / 1	16.00	106.590	-0.77	108.482
DE000 114174 5	0.000 BO S 174	08.10.2021	2 / 3	19.00	101.760	-0.77	101.760
DE000 113546 5	2.000 Bund 11	04.01.2022	2 / 5	20.00	107.030	-0.78	108.044
DE000 114175 2	0.000 BO S 175	08.04.2022	2 / 9	18.00	102.180	-0.78	102.180
DE000 113547 3	1.750 Bund 12	04.07.2022	2 / 11	24.00	107.670	-0.78	107.689
DE000 113549 9	1.500 Bund 12	04.09.2022	3 / 1	18.00	107.310	-0.78	108.572
DE000 114176 0	0.000 BO S 176	07.10.2022	3 / 3	17.00	102.560	-0.77	102.560
DE000 110230 9	1.500 Bund 13	15.02.2023	3 / 7	18.00	108.300	-0.76	108.888
DE000 114177 8	0.000 BO S 177	14.04.2023	3 / 9	16.00	102.890	-0.75	102.890
DE000 103054 2	0.100 Bund 12 index.	15.04.2023	3 / 9	16.00	105.450	-1.30	114.319
DE000 110231 7	1.500 Bund 13 II	15.05.2023	3 / 10	18.00	108.840	-0.75	109.061
DE000 110232 5	2.000 Bund 13	15.08.2023	4 / 1	18.00	111.460	-0.74	113.252
DE000 114178 6	0.000 BO S 178	13.10.2023	4 / 3	16.00	103.180	-0.73	103.180
DE000 113492 2	6.250 Bund 94	04.01.2024	4 / 5	10.25	131.960	-0.72	135.128
DE000 110233 3	1.750 Bund 14	15.02.2024	4 / 7	18.00	111.580	-0.71	112.266
DE000 114179 4	0.000 BO S 179	05.04.2024	4 / 9	18.00	103.360	-0.69	103.360
DE000 110235 8	1.500 Bund 14	15.05.2024	4 / 10	18.00	110.900	-0.70	111.121
DE000 110236 6	1.000 Bund 14	15.08.2024	5 / 1	18.00	108.780	-0.68	109.676
DE000 114180 2	0.000 BO S 180	18.10.2024	5 / 3	4.00	103.510	-0.65	103.510
DE000 110237 4	0.500 Bund 15	15.02.2025	5 / 7	23.00	106.650	-0.66	106.846
DE000 110238 2	1.000 Bund 15	15.08.2025	6 / 1	23.00	110.240	-0.64	111.136
DE000 110239 0	0.500 Bund 16	15.02.2026	6 / 7	26.00	107.520	-0.61	107.716
DE000 103056 7	0.100 Bund 15 index.	15.04.2026	6 / 9	16.20	110.300	-1.34	116.382
DE000 110240 8	0.000 Bund 16	15.08.2026	7 / 1	25.00	104.240	-0.58	104.240
DE000 110241 6	0.250 Bund 17	15.02.2027	7 / 7	26.00	106.230	-0.55	106.328
DE000 113504 4	6.500 Bund 97	04.07.2027	7 / 11	11.25	157.490	-0.53	157.561
DE000 110242 4	0.500 Bund 17	15.08.2027	8 / 1	25.00	108.450	-0.52	108.898
DE000 113506 9	5.625 Bund 98	04.01.2028	8 / 5	14.50	153.370	-0.51	156.221
DE000 110244 0	0.500 Bund 18	15.02.2028	8 / 7	21.00	108.610	-0.48	108.806
DE000 113508 5	4.750 Bund 98 II	04.07.2028	8 / 11	11.25	148.090	-0.47	148.142
DE000 110245 7	0.250 Bund 18	15.08.2028	9 / 1	21.00	106.370	-0.43	106.617
DE000 110246 5	0.250 Bund 19	15.02.2029	9 / 7	19.00	106.300	-0.39	106.422
DE000 113514 3	6.250 Bund 00	04.01.2030	10 / 5	9.25	171.540	-0.41	174.708
DE000 103055 9	0.500 Bund 14 index.	15.04.2030	10 / 9	13.30	120.400	-1.26	127.471
DE000 113517 6	5.500 Bund 00	04.01.2031	11 / 5	17.00	168.770	-0.35	171.558
DE000 113522 6	4.750 Bund 03	04.07.2034	14 / 11	20.00	174.970	-0.18	175.022
DE000 113527 5	4.000 Bund 05	04.01.2037	17 / 5	23.00	171.960	-0.08	173.987
DE000 113532 5	4.250 Bund 07	04.07.2039	19 / 11	14.00	185.120	-0.01	185.166
DE000 113536 6	4.750 Bund 08	04.07.2040	20 / 11	16.00	199.490	0.01	199.542
DE000 113543 2	3.250 Bund 10	04.07.2042	22 / 11	15.00	172.585	0.07	172.621
DE000 113548 1	2.500 Bund 12	04.07.2044	24 / 11	27.50	158.120	0.13	158.147
DE000 103057 5	0.100 Bund 15 index. II	15.04.2046	26 / 9	8.45	132.400	-0.96	140.746
DE000 110234 1	2.500 Bund 14	15.08.2046	27 / 1	27.00	161.700	0.17	163.940
DE000 110243 2	1.250 Bund 17	15.08.2048	29 / 1	15.50	129.560	0.20	130.680

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3) Bundesbank reference price on the Frankfurt Stock Exchange

4) Only for inflation-linked bonds: yield in real terms reported without adjustment for inflation;
the actual total amount is calculated from the product of the price including interest accrued and an index ratio.

Prices and yields of listed Federal securities as of 08.07.19

ISIN 1)	Issue 2) 4)	Maturity date	Residual life y/m	Issue volume € billion	Price 3) as of 08.07.19	Yield	"Dirty price"
DE000 110469 3	0.000 BSA 17 III	13.09.2019	0 / 2	13.00	100.102	-0.57	100.102
DE000 114170 3	0.250 BO S 170	11.10.2019	0 / 3	16.00	100.222	-0.62	100.408
DE000 110470 1	0.000 BSA 17 IV	13.12.2019	0 / 5	13.00	100.275	-0.64	100.275
DE000 113539 0	3.250 Bund 09	04.01.2020	0 / 5	22.00	101.938	-0.70	103.603
DE000 110471 9	0.000 BSA 18	13.03.2020	0 / 8	13.00	100.459	-0.68	100.459
DE000 103052 6	1.750 Bund 09 index.	15.04.2020	0 / 9	16.00	100.940	0.51	116.235
DE000 114171 1	0.000 BO S 171	17.04.2020	0 / 9	20.00	100.520	-0.67	100.520
DE000 110472 7	0.000 BSA 18 II	12.06.2020	0 / 11	12.00	100.645	-0.69	100.645
DE000 113540 8	3.000 Bund 10	04.07.2020	0 / 11	22.00	103.670	-0.70	103.719
DE000 113541 6	2.250 Bund 10	04.09.2020	1 / 1	16.00	103.447	-0.71	105.352
DE000 110473 5	0.000 BSA 18 III	11.09.2020	1 / 2	12.00	100.830	-0.70	100.830
DE000 114172 9	0.250 BO S 172	16.10.2020	1 / 3	19.00	101.240	-0.72	101.423
DE000 110474 3	0.000 BSA 18 IV	11.12.2020	1 / 5	12.00	101.046	-0.73	101.046
DE000 113542 4	2.500 Bund 10	04.01.2021	1 / 5	19.00	104.946	-0.79	106.227
DE000 110475 0	0.000 BSA 19	12.03.2021	1 / 8	13.00	101.260	-0.75	101.260
DE000 114173 7	0.000 BO S 173	09.04.2021	1 / 9	21.00	101.320	-0.75	101.320
DE000 110476 8	0.000 BSA 19	11.06.2021	1 / 11	5.00	101.460	-0.75	101.460
DE000 113545 7	2.250 Bund 11	04.09.2021	2 / 1	16.00	106.540	-0.75	108.445
DE000 114174 5	0.000 BO S 174	08.10.2021	2 / 3	19.00	101.720	-0.76	101.720
DE000 113546 5	2.000 Bund 11	04.01.2022	2 / 5	20.00	106.980	-0.77	108.005
DE000 114175 2	0.000 BO S 175	08.04.2022	2 / 9	18.00	102.140	-0.77	102.140
DE000 113547 3	1.750 Bund 12	04.07.2022	2 / 11	24.00	107.610	-0.76	107.639
DE000 113549 9	1.500 Bund 12	04.09.2022	3 / 1	18.00	107.250	-0.76	108.520
DE000 114176 0	0.000 BO S 176	07.10.2022	3 / 2	17.00	102.500	-0.76	102.500
DE000 110230 9	1.500 Bund 13	15.02.2023	3 / 7	18.00	108.230	-0.74	108.826
DE000 114177 8	0.000 BO S 177	14.04.2023	3 / 9	16.00	102.820	-0.74	102.820
DE000 103054 2	0.100 Bund 12 index.	15.04.2023	3 / 9	16.00	105.420	-1.30	114.297
DE000 110231 7	1.500 Bund 13 II	15.05.2023	3 / 10	18.00	108.760	-0.74	108.990
DE000 110232 5	2.000 Bund 13	15.08.2023	4 / 1	18.00	111.370	-0.72	113.173
DE000 114178 6	0.000 BO S 178	13.10.2023	4 / 3	16.00	103.100	-0.71	103.100
DE000 113492 2	6.250 Bund 94	04.01.2024	4 / 5	10.25	131.830	-0.70	135.032
DE000 110233 3	1.750 Bund 14	15.02.2024	4 / 7	18.00	111.480	-0.70	112.175
DE000 114179 4	0.000 BO S 179	05.04.2024	4 / 8	18.00	103.270	-0.68	103.270
DE000 110235 8	1.500 Bund 14	15.05.2024	4 / 10	18.00	110.810	-0.69	111.040
DE000 110236 6	1.000 Bund 14	15.08.2024	5 / 1	18.00	108.690	-0.67	109.591
DE000 114180 2	0.000 BO S 180	18.10.2024	5 / 3	4.00	103.450	-0.64	103.450
DE000 110237 4	0.500 Bund 15	15.02.2025	5 / 7	23.00	106.550	-0.64	106.749
DE000 110238 2	1.000 Bund 15	15.08.2025	6 / 1	23.00	110.110	-0.62	111.011
DE000 110239 0	0.500 Bund 16	15.02.2026	6 / 7	26.00	107.370	-0.59	107.569
DE000 103056 7	0.100 Bund 15 index.	15.04.2026	6 / 9	16.20	110.210	-1.33	116.297
DE000 110240 8	0.000 Bund 16	15.08.2026	7 / 1	25.00	104.096	-0.56	104.096
DE000 110241 6	0.250 Bund 17	15.02.2027	7 / 7	26.00	106.070	-0.53	106.169
DE000 113504 4	6.500 Bund 97	04.07.2027	7 / 11	11.25	157.255	-0.51	157.362
DE000 110242 4	0.500 Bund 17	15.08.2027	8 / 1	25.00	108.270	-0.50	108.721
DE000 113506 9	5.625 Bund 98	04.01.2028	8 / 5	14.50	153.120	-0.49	156.002
DE000 110244 0	0.500 Bund 18	15.02.2028	8 / 7	21.00	108.410	-0.46	108.609
DE000 113508 5	4.750 Bund 98 II	04.07.2028	8 / 11	11.25	147.840	-0.46	147.918
DE000 110245 7	0.250 Bund 18	15.08.2028	9 / 1	21.00	106.150	-0.41	106.398
DE000 110246 5	0.250 Bund 19	15.02.2029	9 / 7	19.00	106.080	-0.37	106.203
DE000 113514 3	6.250 Bund 00	04.01.2030	10 / 5	9.25	171.200	-0.39	174.402
DE000 103055 9	0.500 Bund 14 index.	15.04.2030	10 / 9	13.30	120.210	-1.24	127.284
DE000 113517 6	5.500 Bund 00	04.01.2031	11 / 5	17.00	168.400	-0.33	171.218
DE000 113522 6	4.750 Bund 03	04.07.2034	14 / 11	20.00	174.520	-0.16	174.598
DE000 113527 5	4.000 Bund 05	04.01.2037	17 / 5	23.00	171.440	-0.06	173.489
DE000 113532 5	4.250 Bund 07	04.07.2039	19 / 11	14.00	184.500	0.01	184.570
DE000 113536 6	4.750 Bund 08	04.07.2040	20 / 11	16.00	198.790	0.03	198.868
DE000 113543 2	3.250 Bund 10	04.07.2042	22 / 11	15.00	171.900	0.09	171.953
DE000 113548 1	2.500 Bund 12	04.07.2044	24 / 11	27.50	157.430	0.15	157.471
DE000 103057 5	0.100 Bund 15 index. II	15.04.2046	26 / 9	8.45	131.810	-0.94	140.130
DE000 110234 1	2.500 Bund 14	15.08.2046	27 / 1	27.00	160.930	0.19	163.183
DE000 110243 2	1.250 Bund 17	15.08.2048	29 / 1	15.50	128.850	0.22	129.977

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the actual total amount is calculated from the product of the price including interest accrued and an index ratio.

Prices and yields of listed Federal securities as of 09.07.19

ISIN 1)	Issue 2) 4)	Maturity date	Residual life y/m	Issue volume € billion	Price 3) as of 09.07.19	Yield	"Dirty price"
DE000 110469 3	0.000 BSA 17 III	13.09.2019	0 / 2	13.00	100.101	-0.58	100.101
DE000 114170 3	0.250 BO S 170	11.10.2019	0 / 3	16.00	100.219	-0.62	100.406
DE000 110470 1	0.000 BSA 17 IV	13.12.2019	0 / 5	13.00	100.271	-0.64	100.271
DE000 113539 0	3.250 Bund 09	04.01.2020	0 / 5	22.00	101.925	-0.69	103.599
DE000 110471 9	0.000 BSA 18	13.03.2020	0 / 8	13.00	100.453	-0.67	100.453
DE000 103052 6	1.750 Bund 09 index.	15.04.2020	0 / 9	16.00	100.930	0.52	116.234
DE000 114171 1	0.000 BO S 171	17.04.2020	0 / 9	20.00	100.510	-0.66	100.510
DE000 110472 7	0.000 BSA 18 II	12.06.2020	0 / 11	12.00	100.643	-0.69	100.643
DE000 113540 8	3.000 Bund 10	04.07.2020	0 / 11	22.00	103.654	-0.70	103.711
DE000 113541 6	2.250 Bund 10	04.09.2020	1 / 1	16.00	103.438	-0.71	105.349
DE000 110473 5	0.000 BSA 18 III	11.09.2020	1 / 2	12.00	100.825	-0.70	100.825
DE000 114172 9	0.250 BO S 172	16.10.2020	1 / 3	19.00	101.230	-0.71	101.414
DE000 110474 3	0.000 BSA 18 IV	11.12.2020	1 / 5	12.00	101.038	-0.72	101.038
DE000 113542 4	2.500 Bund 10	04.01.2021	1 / 5	19.00	104.930	-0.79	106.218
DE000 110475 0	0.000 BSA 19	12.03.2021	1 / 8	13.00	101.244	-0.74	101.244
DE000 114173 7	0.000 BO S 173	09.04.2021	1 / 9	21.00	101.302	-0.74	101.302
DE000 110476 8	0.000 BSA 19	11.06.2021	1 / 11	10.00	101.440	-0.74	101.440
DE000 113545 7	2.250 Bund 11	04.09.2021	2 / 1	16.00	106.525	-0.75	108.436
DE000 114174 5	0.000 BO S 174	08.10.2021	2 / 2	19.00	101.700	-0.75	101.700
DE000 113546 5	2.000 Bund 11	04.01.2022	2 / 5	20.00	106.950	-0.76	107.980
DE000 114175 2	0.000 BO S 175	08.04.2022	2 / 8	18.00	102.110	-0.76	102.110
DE000 113547 3	1.750 Bund 12	04.07.2022	2 / 11	24.00	107.580	-0.75	107.613
DE000 113549 9	1.500 Bund 12	04.09.2022	3 / 1	18.00	107.220	-0.76	108.494
DE000 114176 0	0.000 BO S 176	07.10.2022	3 / 2	17.00	102.470	-0.75	102.470
DE000 110230 9	1.500 Bund 13	15.02.2023	3 / 7	18.00	108.190	-0.74	108.790
DE000 114177 8	0.000 BO S 177	14.04.2023	3 / 9	16.00	102.790	-0.73	102.790
DE000 103054 2	0.100 Bund 12 index.	15.04.2023	3 / 9	16.50	105.350	-1.28	114.225
DE000 110231 7	1.500 Bund 13 II	15.05.2023	3 / 10	18.00	108.700	-0.72	108.934
DE000 110232 5	2.000 Bund 13	15.08.2023	4 / 1	18.00	111.330	-0.72	113.138
DE000 114178 6	0.000 BO S 178	13.10.2023	4 / 3	16.00	103.070	-0.71	103.070
DE000 113492 2	6.250 Bund 94	04.01.2024	4 / 5	10.25	131.750	-0.69	134.969
DE000 110233 3	1.750 Bund 14	15.02.2024	4 / 7	18.00	111.430	-0.69	112.130
DE000 114179 4	0.000 BO S 179	05.04.2024	4 / 8	21.00	103.220	-0.67	103.220
DE000 110235 8	1.500 Bund 14	15.05.2024	4 / 10	18.00	110.750	-0.68	110.984
DE000 110236 6	1.000 Bund 14	15.08.2024	5 / 1	18.00	108.630	-0.66	109.534
DE000 114180 2	0.000 BO S 180	18.10.2024	5 / 3	4.00	103.360	-0.62	103.360
DE000 110237 4	0.500 Bund 15	15.02.2025	5 / 7	23.00	106.460	-0.63	106.660
DE000 110238 2	1.000 Bund 15	15.08.2025	6 / 1	23.00	110.020	-0.61	110.924
DE000 110239 0	0.500 Bund 16	15.02.2026	6 / 7	26.00	107.270	-0.58	107.470
DE000 103056 7	0.100 Bund 15 index.	15.04.2026	6 / 9	16.20	110.050	-1.31	116.133
DE000 110240 8	0.000 Bund 16	15.08.2026	7 / 1	25.00	103.960	-0.55	103.960
DE000 110241 6	0.250 Bund 17	15.02.2027	7 / 7	26.00	105.920	-0.51	106.020
DE000 113504 4	6.500 Bund 97	04.07.2027	7 / 11	11.25	157.050	-0.49	157.174
DE000 110242 4	0.500 Bund 17	15.08.2027	8 / 1	25.00	108.120	-0.48	108.572
DE000 113506 9	5.625 Bund 98	04.01.2028	8 / 5	14.50	152.910	-0.47	155.807
DE000 110244 0	0.500 Bund 18	15.02.2028	8 / 7	21.00	108.270	-0.44	108.470
DE000 113508 5	4.750 Bund 98 II	04.07.2028	8 / 11	11.25	147.640	-0.44	147.731
DE000 110245 7	0.250 Bund 18	15.08.2028	9 / 1	21.00	105.980	-0.39	106.229
DE000 110246 5	0.250 Bund 19	15.02.2029	9 / 7	22.00	105.910	-0.35	106.034
DE000 113514 3	6.250 Bund 00	04.01.2030	10 / 5	9.25	170.900	-0.37	174.119
DE000 103055 9	0.500 Bund 14 index.	15.04.2030	10 / 9	14.05	119.910	-1.22	126.973
DE000 113517 6	5.500 Bund 00	04.01.2031	11 / 5	17.00	168.090	-0.31	170.923
DE000 113522 6	4.750 Bund 03	04.07.2034	14 / 11	20.00	174.050	-0.14	174.141
DE000 113527 5	4.000 Bund 05	04.01.2037	17 / 5	23.00	170.900	-0.04	172.960
DE000 113532 5	4.250 Bund 07	04.07.2039	19 / 11	14.00	183.820	0.04	183.901
DE000 113536 6	4.750 Bund 08	04.07.2040	20 / 11	16.00	198.070	0.05	198.161
DE000 113543 2	3.250 Bund 10	04.07.2042	22 / 11	15.00	171.140	0.11	171.202
DE000 113548 1	2.500 Bund 12	04.07.2044	24 / 11	27.50	156.600	0.18	156.648
DE000 103057 5	0.100 Bund 15 index. II	15.04.2046	26 / 9	8.45	130.930	-0.91	139.201
DE000 110234 1	2.500 Bund 14	15.08.2046	27 / 1	28.00	160.010	0.22	162.270
DE000 110243 2	1.250 Bund 17	15.08.2048	29 / 1	15.50	128.000	0.25	129.130

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2) BSA: Federal Treasury note (Schatz), BO: Five-year Federal note (Bobl), Bund: Federal bond (Bund)

3) Bundesbank reference price on the Frankfurt Stock Exchange

4) Only for inflation-linked bonds: yield in real terms reported without adjustment for inflation;
the actual total amount is calculated from the product of the price including interest accrued and an index ratio.

Prices and yields of listed Federal securities as of 10.07.19

ISIN 1)	Issue 2) 4)	Maturity date	Residual life y/m	Issue volume € billion	Price 3) as of 10.07.19	Yield	"Dirty price"
DE000 110469 3	0.000 BSA 17 III	13.09.2019	0 / 2	13.00	100.098	-0.57	100.098
DE000 114170 3	0.250 BO S 170	11.10.2019	0 / 3	16.00	100.213	-0.60	100.401
DE000 110470 1	0.000 BSA 17 IV	13.12.2019	0 / 5	13.00	100.261	-0.62	100.261
DE000 113539 0	3.250 Bund 09	04.01.2020	0 / 5	22.00	101.907	-0.68	103.590
DE000 110471 9	0.000 BSA 18	13.03.2020	0 / 8	13.00	100.430	-0.64	100.430
DE000 103052 6	1.750 Bund 09 index.	15.04.2020	0 / 9	16.00	100.940	0.51	116.256
DE000 114171 1	0.000 BO S 171	17.04.2020	0 / 9	20.00	100.502	-0.65	100.502
DE000 110472 7	0.000 BSA 18 II	12.06.2020	0 / 11	12.00	100.627	-0.68	100.627
DE000 113540 8	3.000 Bund 10	04.07.2020	0 / 11	22.00	103.630	-0.69	103.696
DE000 113541 6	2.250 Bund 10	04.09.2020	1 / 1	16.00	103.410	-0.70	105.327
DE000 110473 5	0.000 BSA 18 III	11.09.2020	1 / 2	12.00	100.805	-0.68	100.805
DE000 114172 9	0.250 BO S 172	16.10.2020	1 / 3	19.00	101.213	-0.70	101.397
DE000 110474 3	0.000 BSA 18 IV	11.12.2020	1 / 5	12.00	101.014	-0.71	101.014
DE000 113542 4	2.500 Bund 10	04.01.2021	1 / 5	19.00	104.900	-0.77	106.195
DE000 110475 0	0.000 BSA 19	12.03.2021	1 / 8	13.00	101.217	-0.72	101.217
DE000 114173 7	0.000 BO S 173	09.04.2021	1 / 8	21.00	101.278	-0.73	101.278
DE000 110476 8	0.000 BSA 19	11.06.2021	1 / 11	10.00	101.410	-0.73	101.410
DE000 113545 7	2.250 Bund 11	04.09.2021	2 / 1	16.00	106.470	-0.73	108.387
DE000 114174 5	0.000 BO S 174	08.10.2021	2 / 2	19.00	101.660	-0.73	101.660
DE000 113546 5	2.000 Bund 11	04.01.2022	2 / 5	20.00	106.880	-0.74	107.916
DE000 114175 2	0.000 BO S 175	08.04.2022	2 / 8	18.00	102.050	-0.74	102.050
DE000 113547 3	1.750 Bund 12	04.07.2022	2 / 11	24.00	107.490	-0.73	107.528
DE000 113549 9	1.500 Bund 12	04.09.2022	3 / 1	18.00	107.130	-0.73	108.408
DE000 114176 0	0.000 BO S 176	07.10.2022	3 / 2	17.00	102.380	-0.72	102.380
DE000 110230 9	1.500 Bund 13	15.02.2023	3 / 7	18.00	108.080	-0.71	108.684
DE000 114177 8	0.000 BO S 177	14.04.2023	3 / 9	16.00	102.670	-0.70	102.670
DE000 103054 2	0.100 Bund 12 index.	15.04.2023	3 / 9	16.50	105.300	-1.27	114.175
DE000 110231 7	1.500 Bund 13 II	15.05.2023	3 / 10	18.00	108.560	-0.69	108.798
DE000 110232 5	2.000 Bund 13	15.08.2023	4 / 1	18.00	111.170	-0.68	112.984
DE000 114178 6	0.000 BO S 178	13.10.2023	4 / 3	16.00	102.910	-0.67	102.910
DE000 113492 2	6.250 Bund 94	04.01.2024	4 / 5	10.25	131.510	-0.65	134.746
DE000 110233 3	1.750 Bund 14	15.02.2024	4 / 7	18.00	111.230	-0.65	111.935
DE000 114179 4	0.000 BO S 179	05.04.2024	4 / 8	21.00	103.040	-0.63	103.040
DE000 110235 8	1.500 Bund 14	15.05.2024	4 / 10	18.00	110.530	-0.63	110.768
DE000 110236 6	1.000 Bund 14	15.08.2024	5 / 1	18.00	108.400	-0.62	109.307
DE000 114180 2	0.000 BO S 180	18.10.2024	5 / 3	4.00	103.140	-0.59	103.140
DE000 110237 4	0.500 Bund 15	15.02.2025	5 / 7	23.00	106.230	-0.59	106.431
DE000 110238 2	1.000 Bund 15	15.08.2025	6 / 1	23.00	109.730	-0.56	110.637
DE000 110239 0	0.500 Bund 16	15.02.2026	6 / 7	26.00	106.950	-0.53	107.151
DE000 103056 7	0.100 Bund 15 index.	15.04.2026	6 / 9	16.20	109.900	-1.29	115.980
DE000 110240 8	0.000 Bund 16	15.08.2026	7 / 1	25.00	103.630	-0.50	103.630
DE000 110241 6	0.250 Bund 17	15.02.2027	7 / 7	26.00	105.540	-0.46	105.641
DE000 113504 4	6.500 Bund 97	04.07.2027	7 / 11	11.25	156.500	-0.44	156.642
DE000 110242 4	0.500 Bund 17	15.08.2027	8 / 1	25.00	107.680	-0.43	108.133
DE000 113506 9	5.625 Bund 98	04.01.2028	8 / 5	14.50	152.320	-0.42	155.233
DE000 110244 0	0.500 Bund 18	15.02.2028	8 / 7	21.00	107.790	-0.39	107.991
DE000 113508 5	4.750 Bund 98 II	04.07.2028	8 / 11	11.25	147.020	-0.39	147.124
DE000 110245 7	0.250 Bund 18	15.08.2028	9 / 1	21.00	105.460	-0.34	105.709
DE000 110246 5	0.250 Bund 19	15.02.2029	9 / 7	22.00	105.340	-0.30	105.465
DE000 110247 3	0.000 Bund 19	15.08.2029	10 / 1	4.00	102.620	-0.26	102.620
DE000 113514 3	6.250 Bund 00	04.01.2030	10 / 5	9.25	170.050	-0.31	173.286
DE000 103055 9	0.500 Bund 14 index.	15.04.2030	10 / 9	14.05	119.450	-1.18	126.492
DE000 113517 6	5.500 Bund 00	04.01.2031	11 / 5	17.00	167.170	-0.26	170.018
DE000 113522 6	4.750 Bund 03	04.07.2034	14 / 11	20.00	172.750	-0.08	172.854
DE000 113527 5	4.000 Bund 05	04.01.2037	17 / 5	23.00	169.360	0.02	171.431
DE000 113532 5	4.250 Bund 07	04.07.2039	19 / 11	14.00	181.950	0.10	182.043
DE000 113536 6	4.750 Bund 08	04.07.2040	20 / 11	16.00	195.960	0.12	196.064
DE000 113543 2	3.250 Bund 10	04.07.2042	22 / 11	15.00	168.990	0.18	169.061
DE000 113548 1	2.500 Bund 12	04.07.2044	24 / 11	27.50	154.370	0.25	154.425
DE000 103057 5	0.100 Bund 15 index. II	15.04.2046	26 / 9	8.45	129.450	-0.87	137.633
DE000 110234 1	2.500 Bund 14	15.08.2046	27 / 1	28.00	157.560	0.29	159.827
DE000 110243 2	1.250 Bund 17	15.08.2048	29 / 1	15.50	125.760	0.32	126.894

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4) Only for inflation-linked bonds: yield in real terms reported without adjustment for inflation;

the actual total amount is calculated from the product of the price including interest accrued and an index ratio.

Prices and yields of listed Federal securities as of 11.07.19

ISIN 1)	Issue 2) 4)	Maturity date	Residual life y/m	Issue volume €billion	Price 3) as of 11.07.19	Yield	"Dirty price"
DE000 110469 3	0.000 BSA 17 III	13.09.2019	0 / 2	13.00	100.090	-0.55	100.090
DE000 114170 3	0.250 BO S 170	11.10.2019	0 / 3	16.00	100.210	-0.62	100.400
DE000 110470 1	0.000 BSA 17 IV	13.12.2019	0 / 5	13.00	100.259	-0.62	100.259
DE000 113539 0	3.250 Bund 09	04.01.2020	0 / 5	22.00	101.880	-0.69	103.590
DE000 110471 9	0.000 BSA 18	13.03.2020	0 / 8	13.00	100.435	-0.66	100.435
DE000 103052 6	1.750 Bund 09 index.	15.04.2020	0 / 9	16.00	101.000	0.41	116.354
DE000 114171 1	0.000 BO S 171	17.04.2020	0 / 9	20.00	100.510	-0.67	100.510
DE000 110472 7	0.000 BSA 18 II	12.06.2020	0 / 11	12.00	100.640	-0.70	100.640
DE000 113540 8	3.000 Bund 10	04.07.2020	0 / 11	22.00	103.620	-0.71	103.710
DE000 113541 6	2.250 Bund 10	04.09.2020	1 / 1	16.00	103.395	-0.71	105.331
DE000 110473 5	0.000 BSA 18 III	11.09.2020	1 / 2	12.00	100.820	-0.70	100.820
DE000 114172 9	0.250 BO S 172	16.10.2020	1 / 3	19.00	101.220	-0.71	101.406
DE000 110474 3	0.000 BSA 18 IV	11.12.2020	1 / 5	12.00	101.035	-0.73	101.035
DE000 113542 4	2.500 Bund 10	04.01.2021	1 / 5	19.00	104.894	-0.79	106.209
DE000 110475 0	0.000 BSA 19	12.03.2021	1 / 8	13.00	101.235	-0.74	101.235
DE000 114173 7	0.000 BO S 173	09.04.2021	1 / 8	21.00	101.290	-0.74	101.290
DE000 110476 8	0.000 BSA 19	11.06.2021	1 / 11	10.00	101.436	-0.74	101.436
DE000 113545 7	2.250 Bund 11	04.09.2021	2 / 1	16.00	106.480	-0.74	108.416
DE000 114174 5	0.000 BO S 174	08.10.2021	2 / 2	19.00	101.690	-0.75	101.690
DE000 113546 5	2.000 Bund 11	04.01.2022	2 / 5	20.00	106.910	-0.76	107.962
DE000 114175 2	0.000 BO S 175	08.04.2022	2 / 8	18.00	102.080	-0.75	102.080
DE000 113547 3	1.750 Bund 12	04.07.2022	2 / 11	24.00	107.520	-0.74	107.573
DE000 113549 9	1.500 Bund 12	04.09.2022	3 / 1	18.00	107.160	-0.75	108.450
DE000 114176 0	0.000 BO S 176	07.10.2022	3 / 2	17.00	102.430	-0.74	102.430
DE000 110230 9	1.500 Bund 13	15.02.2023	3 / 7	18.00	108.130	-0.73	108.746
DE000 114177 8	0.000 BO S 177	14.04.2023	3 / 9	16.00	102.740	-0.72	102.740
DE000 103054 2	0.100 Bund 12 index.	15.04.2023	3 / 9	16.50	105.480	-1.32	114.385
DE000 110231 7	1.500 Bund 13 II	15.05.2023	3 / 10	18.00	108.620	-0.71	108.870
DE000 110232 5	2.000 Bund 13	15.08.2023	4 / 1	18.00	111.230	-0.70	113.060
DE000 114178 6	0.000 BO S 178	13.10.2023	4 / 3	16.00	102.990	-0.69	102.990
DE000 113492 2	6.250 Bund 94	04.01.2024	4 / 5	10.25	131.550	-0.67	134.838
DE000 110233 3	1.750 Bund 14	15.02.2024	4 / 7	18.00	111.310	-0.67	112.029
DE000 114179 4	0.000 BO S 179	05.04.2024	4 / 8	21.00	103.120	-0.65	103.120
DE000 110235 8	1.500 Bund 14	15.05.2024	4 / 10	18.00	110.615	-0.65	110.865
DE000 110236 6	1.000 Bund 14	15.08.2024	5 / 1	18.00	108.487	-0.64	109.402
DE000 114180 2	0.000 BO S 180	18.10.2024	5 / 3	4.00	103.248	-0.61	103.248
DE000 110237 4	0.500 Bund 15	15.02.2025	5 / 7	23.00	106.340	-0.61	106.545
DE000 110238 2	1.000 Bund 15	15.08.2025	6 / 1	23.00	109.840	-0.58	110.755
DE000 110239 0	0.500 Bund 16	15.02.2026	6 / 7	26.00	107.070	-0.55	107.275
DE000 103056 7	0.100 Bund 15 index.	15.04.2026	6 / 9	16.20	110.160	-1.33	116.269
DE000 110240 8	0.000 Bund 16	15.08.2026	7 / 1	25.00	103.755	-0.52	103.755
DE000 110241 6	0.250 Bund 17	15.02.2027	7 / 7	26.00	105.670	-0.48	105.773
DE000 113504 4	6.500 Bund 97	04.07.2027	7 / 11	11.25	156.620	-0.46	156.815
DE000 110242 4	0.500 Bund 17	15.08.2027	8 / 1	25.00	107.820	-0.45	108.278
DE000 113506 9	5.625 Bund 98	04.01.2028	8 / 5	14.50	152.450	-0.44	155.409
DE000 110244 0	0.500 Bund 18	15.02.2028	8 / 7	21.00	107.920	-0.40	108.125
DE000 113508 5	4.750 Bund 98 II	04.07.2028	8 / 11	11.25	147.165	-0.40	147.308
DE000 110245 7	0.250 Bund 18	15.08.2028	9 / 1	21.00	105.610	-0.36	105.861
DE000 110246 5	0.250 Bund 19	15.02.2029	9 / 7	22.00	105.480	-0.31	105.607
DE000 110247 3	0.000 Bund 19	15.08.2029	10 / 1	4.00	102.790	-0.27	102.790
DE000 113514 3	6.250 Bund 00	04.01.2030	10 / 5	9.25	170.210	-0.33	173.498
DE000 103055 9	0.500 Bund 14 index.	15.04.2030	10 / 9	14.05	119.910	-1.22	126.999
DE000 113517 6	5.500 Bund 00	04.01.2031	11 / 5	17.00	167.370	-0.27	170.263
DE000 113522 6	4.750 Bund 03	04.07.2034	14 / 11	20.00	173.070	-0.09	173.213
DE000 113527 5	4.000 Bund 05	04.01.2037	17 / 5	23.00	169.760	0.01	171.864
DE000 113532 5	4.250 Bund 07	04.07.2039	19 / 11	14.00	182.450	0.08	182.578
DE000 113536 6	4.750 Bund 08	04.07.2040	20 / 11	16.00	196.550	0.10	196.693
DE000 113543 2	3.250 Bund 10	04.07.2042	22 / 11	15.00	169.560	0.16	169.658
DE000 113548 1	2.500 Bund 12	04.07.2044	24 / 11	27.50	155.040	0.23	155.115
DE000 103057 5	0.100 Bund 15 index. II	15.04.2046	26 / 9	8.45	131.020	-0.92	139.320
DE000 110234 1	2.500 Bund 14	15.08.2046	27 / 1	28.00	158.310	0.27	160.598
DE000 110243 2	1.250 Bund 17	15.08.2048	29 / 1	15.50	126.420	0.30	127.564

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4) Only for inflation-linked bonds: yield in real terms reported without adjustment for inflation;

the actual total amount is calculated from the product of the price including interest accrued and an index ratio.

Prices and yields of listed Federal securities as of 12.07.19

ISIN 1)	Issue 2) 4)	Maturity date	Residual life y/m	Issue volume € billion	Price 3) as of 12.07.19	Yield	"Dirty price"
DE000 110469 3	0.000 BSA 17 III	13.09.2019	0 / 2	13.00	100.090	-0.55	100.090
DE000 114170 3	0.250 BO S 170	11.10.2019	0 / 2	16.00	100.205	-0.60	100.395
DE000 110470 1	0.000 BSA 17 IV	13.12.2019	0 / 5	13.00	100.260	-0.63	100.260
DE000 113539 0	3.250 Bund 09	04.01.2020	0 / 5	22.00	101.870	-0.67	103.580
DE000 110471 9	0.000 BSA 18	13.03.2020	0 / 8	13.00	100.435	-0.66	100.435
DE000 103052 6	1.750 Bund 09 index.	15.04.2020	0 / 9	16.00	100.980	0.44	116.331
DE000 114171 1	0.000 BO S 171	17.04.2020	0 / 9	20.00	100.500	-0.66	100.500
DE000 110472 7	0.000 BSA 18 II	12.06.2020	0 / 11	12.00	100.630	-0.69	100.630
DE000 113540 8	3.000 Bund 10	04.07.2020	0 / 11	22.00	103.599	-0.69	103.689
DE000 113541 6	2.250 Bund 10	04.09.2020	1 / 1	16.00	103.380	-0.69	105.316
DE000 110473 5	0.000 BSA 18 III	11.09.2020	1 / 1	12.00	100.810	-0.69	100.810
DE000 114172 9	0.250 BO S 172	16.10.2020	1 / 3	19.00	101.210	-0.71	101.396
DE000 110474 3	0.000 BSA 18 IV	11.12.2020	1 / 4	12.00	101.020	-0.72	101.020
DE000 113542 4	2.500 Bund 10	04.01.2021	1 / 5	19.00	104.873	-0.77	106.188
DE000 110475 0	0.000 BSA 19	12.03.2021	1 / 8	13.00	101.216	-0.73	101.216
DE000 114173 7	0.000 BO S 173	09.04.2021	1 / 8	21.00	101.274	-0.73	101.274
DE000 110476 8	0.000 BSA 19	11.06.2021	1 / 10	10.00	101.413	-0.73	101.413
DE000 113545 7	2.250 Bund 11	04.09.2021	2 / 1	16.00	106.440	-0.73	108.376
DE000 114174 5	0.000 BO S 174	08.10.2021	2 / 2	19.00	101.650	-0.73	101.650
DE000 113546 5	2.000 Bund 11	04.01.2022	2 / 5	20.00	106.860	-0.74	107.912
DE000 114175 2	0.000 BO S 175	08.04.2022	2 / 8	18.00	102.020	-0.73	102.020
DE000 113547 3	1.750 Bund 12	04.07.2022	2 / 11	24.00	107.450	-0.72	107.503
DE000 113549 9	1.500 Bund 12	04.09.2022	3 / 1	18.00	107.080	-0.72	108.370
DE000 114176 0	0.000 BO S 176	07.10.2022	3 / 2	17.00	102.350	-0.72	102.350
DE000 110230 9	1.500 Bund 13	15.02.2023	3 / 7	18.00	108.020	-0.70	108.636
DE000 114177 8	0.000 BO S 177	14.04.2023	3 / 9	16.00	102.630	-0.69	102.630
DE000 103054 2	0.100 Bund 12 index.	15.04.2023	3 / 9	16.50	105.370	-1.29	114.266
DE000 110231 7	1.500 Bund 13 II	15.05.2023	3 / 10	18.00	108.480	-0.68	108.730
DE000 110232 5	2.000 Bund 13	15.08.2023	4 / 1	18.00	111.070	-0.66	112.900
DE000 114178 6	0.000 BO S 178	13.10.2023	4 / 3	16.00	102.830	-0.66	102.830
DE000 113492 2	6.250 Bund 94	04.01.2024	4 / 5	10.25	131.320	-0.63	134.608
DE000 110233 3	1.750 Bund 14	15.02.2024	4 / 7	18.00	111.111	-0.63	111.830
DE000 114179 4	0.000 BO S 179	05.04.2024	4 / 8	21.00	102.930	-0.61	102.930
DE000 110235 8	1.500 Bund 14	15.05.2024	4 / 10	18.00	110.410	-0.62	110.660
DE000 110236 6	1.000 Bund 14	15.08.2024	5 / 1	18.00	108.270	-0.60	109.185
DE000 114180 2	0.000 BO S 180	18.10.2024	5 / 3	4.00	103.020	-0.56	103.020
DE000 110237 4	0.500 Bund 15	15.02.2025	5 / 7	23.00	106.070	-0.57	106.275
DE000 110238 2	1.000 Bund 15	15.08.2025	6 / 1	23.00	109.530	-0.54	110.445
DE000 110239 0	0.500 Bund 16	15.02.2026	6 / 7	26.00	106.700	-0.50	106.905
DE000 103056 7	0.100 Bund 15 index.	15.04.2026	6 / 9	16.20	109.750	-1.27	115.837
DE000 110240 8	0.000 Bund 16	15.08.2026	7 / 1	25.00	103.350	-0.46	103.350
DE000 110241 6	0.250 Bund 17	15.02.2027	7 / 7	26.00	105.200	-0.42	105.303
DE000 113504 4	6.500 Bund 97	04.07.2027	7 / 11	11.25	155.960	-0.40	156.155
DE000 110242 4	0.500 Bund 17	15.08.2027	8 / 1	25.00	107.280	-0.38	107.738
DE000 113506 9	5.625 Bund 98	04.01.2028	8 / 5	14.50	151.740	-0.37	154.699
DE000 110244 0	0.500 Bund 18	15.02.2028	8 / 7	21.00	107.330	-0.34	107.535
DE000 113508 5	4.750 Bund 98 II	04.07.2028	8 / 11	11.25	146.400	-0.34	146.543
DE000 110245 7	0.250 Bund 18	15.08.2028	9 / 1	21.00	104.960	-0.29	105.211
DE000 110246 5	0.250 Bund 19	15.02.2029	9 / 7	22.00	104.800	-0.24	104.927
DE000 110247 3	0.000 Bund 19	15.08.2029	10 / 1	4.00	102.080	-0.20	102.080
DE000 113514 3	6.250 Bund 00	04.01.2030	10 / 5	9.25	169.150	-0.26	172.438
DE000 103055 9	0.500 Bund 14 index.	15.04.2030	10 / 9	14.05	118.850	-1.14	125.877
DE000 113517 6	5.500 Bund 00	04.01.2031	11 / 5	17.00	166.200	-0.20	169.093
DE000 113522 6	4.750 Bund 03	04.07.2034	14 / 11	20.00	171.400	-0.01	171.543
DE000 113527 5	4.000 Bund 05	04.01.2037	17 / 5	23.00	167.750	0.09	169.854
DE000 113532 5	4.250 Bund 07	04.07.2039	19 / 11	14.00	179.900	0.18	180.028
DE000 113536 6	4.750 Bund 08	04.07.2040	20 / 11	16.00	193.700	0.19	193.843
DE000 113543 2	3.250 Bund 10	04.07.2042	22 / 11	15.00	166.700	0.26	166.798
DE000 113548 1	2.500 Bund 12	04.07.2044	24 / 11	27.50	152.000	0.33	152.075
DE000 103057 5	0.100 Bund 15 index. II	15.04.2046	26 / 9	8.45	127.250	-0.81	135.312
DE000 110234 1	2.500 Bund 14	15.08.2046	27 / 1	28.00	154.900	0.37	157.188
DE000 110243 2	1.250 Bund 17	15.08.2048	29 / 1	15.50	123.200	0.40	124.344

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2) BSA: Federal Treasury note (Schatz), BO: Five-year Federal note (Bobl), Bund: Federal bond (Bund)

3) Bundesbank reference price on the Frankfurt Stock Exchange

4) Only for inflation-linked bonds: yield in real terms reported without adjustment for inflation;

the actual total amount is calculated from the product of the price including interest accrued and an index ratio.

Prices and yields of listed Federal securities as of 15.07.19

ISIN 1)	Issue 2) 4)	Maturity date	Residual life y/m	Issue volume €billion	Price 3) as of 15.07.19	Yield	"Dirty price"
DE000 110469 3	0.000 BSA 17 III	13.09.2019	0 / 1	13.00	100.090	-0.57	100.090
DE000 114170 3	0.250 BO S 170	11.10.2019	0 / 2	16.00	100.205	-0.62	100.396
DE000 110470 1	0.000 BSA 17 IV	13.12.2019	0 / 4	13.00	100.260	-0.64	100.260
DE000 113539 0	3.250 Bund 09	04.01.2020	0 / 5	22.00	101.865	-0.71	103.592
DE000 110471 9	0.000 BSA 18	13.03.2020	0 / 7	13.00	100.444	-0.67	100.444
DE000 103052 6	1.750 Bund 09 index.	15.04.2020	0 / 9	16.00	101.000	0.40	116.375
DE000 114171 1	0.000 BO S 171	17.04.2020	0 / 9	20.00	100.504	-0.67	100.504
DE000 110472 7	0.000 BSA 18 II	12.06.2020	0 / 10	12.00	100.637	-0.70	100.637
DE000 113540 8	3.000 Bund 10	04.07.2020	0 / 11	22.00	103.606	-0.71	103.713
DE000 113541 6	2.250 Bund 10	04.09.2020	1 / 1	16.00	103.385	-0.71	105.333
DE000 110473 5	0.000 BSA 18 III	11.09.2020	1 / 1	12.00	100.825	-0.71	100.825
DE000 114172 9	0.250 BO S 172	16.10.2020	1 / 3	19.00	101.220	-0.72	101.408
DE000 110474 3	0.000 BSA 18 IV	11.12.2020	1 / 4	12.00	101.028	-0.73	101.028
DE000 113542 4	2.500 Bund 10	04.01.2021	1 / 5	19.00	104.880	-0.79	106.209
DE000 110475 0	0.000 BSA 19	12.03.2021	1 / 7	13.00	101.230	-0.74	101.230
DE000 114173 7	0.000 BO S 173	09.04.2021	1 / 8	21.00	101.290	-0.74	101.290
DE000 110476 8	0.000 BSA 19	11.06.2021	1 / 10	10.00	101.429	-0.74	101.429
DE000 113545 7	2.250 Bund 11	04.09.2021	2 / 1	16.00	106.460	-0.74	108.408
DE000 114174 5	0.000 BO S 174	08.10.2021	2 / 2	19.00	101.680	-0.75	101.680
DE000 113546 5	2.000 Bund 11	04.01.2022	2 / 5	20.00	106.880	-0.75	107.943
DE000 114175 2	0.000 BO S 175	08.04.2022	2 / 8	18.00	102.060	-0.75	102.060
DE000 113547 3	1.750 Bund 12	04.07.2022	2 / 11	24.00	107.490	-0.74	107.552
DE000 113549 9	1.500 Bund 12	04.09.2022	3 / 1	18.00	107.130	-0.74	108.429
DE000 114176 0	0.000 BO S 176	07.10.2022	3 / 2	17.00	102.400	-0.73	102.400
DE000 110230 9	1.500 Bund 13	15.02.2023	3 / 7	18.00	108.080	-0.72	108.705
DE000 114177 8	0.000 BO S 177	14.04.2023	3 / 8	16.00	102.700	-0.71	102.700
DE000 103054 2	0.100 Bund 12 index.	15.04.2023	3 / 9	16.50	105.550	-1.33	114.471
DE000 110231 7	1.500 Bund 13 II	15.05.2023	3 / 10	18.00	108.560	-0.70	108.818
DE000 110232 5	2.000 Bund 13	15.08.2023	4 / 1	18.00	111.153	-0.69	112.994
DE000 114178 6	0.000 BO S 178	13.10.2023	4 / 2	16.00	102.930	-0.68	102.930
DE000 113492 2	6.250 Bund 94	04.01.2024	4 / 5	10.25	131.410	-0.65	134.732
DE000 110233 3	1.750 Bund 14	15.02.2024	4 / 7	18.00	111.220	-0.65	111.949
DE000 114179 4	0.000 BO S 179	05.04.2024	4 / 8	21.00	103.040	-0.63	103.040
DE000 110235 8	1.500 Bund 14	15.05.2024	4 / 10	18.00	110.530	-0.64	110.788
DE000 110236 6	1.000 Bund 14	15.08.2024	5 / 1	18.00	108.390	-0.62	109.311
DE000 114180 2	0.000 BO S 180	18.10.2024	5 / 3	4.00	103.150	-0.59	103.150
DE000 110237 4	0.500 Bund 15	15.02.2025	5 / 7	23.00	106.210	-0.59	106.418
DE000 110238 2	1.000 Bund 15	15.08.2025	6 / 1	23.00	109.690	-0.56	110.611
DE000 110239 0	0.500 Bund 16	15.02.2026	6 / 7	26.00	106.880	-0.52	107.088
DE000 103056 7	0.100 Bund 15 index.	15.04.2026	6 / 9	16.20	110.200	-1.33	116.321
DE000 110240 8	0.000 Bund 16	15.08.2026	7 / 1	25.00	103.550	-0.49	103.550
DE000 110241 6	0.250 Bund 17	15.02.2027	7 / 7	26.00	105.420	-0.45	105.524
DE000 113504 4	6.500 Bund 97	04.07.2027	7 / 11	11.25	156.240	-0.43	156.471
DE000 110242 4	0.500 Bund 17	15.08.2027	8 / 1	25.00	107.530	-0.41	107.990
DE000 113506 9	5.625 Bund 98	04.01.2028	8 / 5	14.50	152.020	-0.40	155.010
DE000 110244 0	0.500 Bund 18	15.02.2028	8 / 7	21.00	107.590	-0.37	107.798
DE000 113508 5	4.750 Bund 98 II	04.07.2028	8 / 11	11.25	146.710	-0.37	146.879
DE000 110245 7	0.250 Bund 18	15.08.2028	9 / 1	21.00	105.250	-0.32	105.503
DE000 110246 5	0.250 Bund 19	15.02.2029	9 / 7	22.00	105.080	-0.27	105.208
DE000 110247 3	0.000 Bund 19	15.08.2029	10 / 1	4.00	102.370	-0.23	102.370
DE000 113514 3	6.250 Bund 00	04.01.2030	10 / 5	9.25	169.580	-0.29	172.902
DE000 103055 9	0.500 Bund 14 index.	15.04.2030	10 / 9	14.05	119.600	-1.20	126.683
DE000 113517 6	5.500 Bund 00	04.01.2031	11 / 5	17.00	166.680	-0.23	169.603
DE000 113522 6	4.750 Bund 03	04.07.2034	14 / 11	20.00	172.090	-0.05	172.259
DE000 113527 5	4.000 Bund 05	04.01.2037	17 / 5	23.00	168.600	0.05	170.726
DE000 113532 5	4.250 Bund 07	04.07.2039	19 / 11	14.00	180.990	0.14	181.141
DE000 113536 6	4.750 Bund 08	04.07.2040	20 / 11	16.00	194.870	0.15	195.039
DE000 113543 2	3.250 Bund 10	04.07.2042	22 / 11	15.00	167.870	0.22	167.985
DE000 113548 1	2.500 Bund 12	04.07.2044	24 / 11	27.50	153.280	0.29	153.369
DE000 103057 5	0.100 Bund 15 index. II	15.04.2046	26 / 9	8.45	129.800	-0.88	138.034
DE000 110234 1	2.500 Bund 14	15.08.2046	27 / 1	28.00	156.330	0.32	158.631
DE000 110243 2	1.250 Bund 17	15.08.2048	29 / 1	15.50	124.520	0.36	125.671

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4) Only for inflation-linked bonds: yield in real terms reported without adjustment for inflation;

the actual total amount is calculated from the product of the price including interest accrued and an index ratio.

Prices and yields of listed Federal securities as of 16.07.19

ISIN 1)	Issue 2) 4)	Maturity date	Residual life y/m	Issue volume € billion	Price 3) as of 16.07.19	Yield	"Dirty price"
DE000 110469 3	0.000 BSA 17 III	13.09.2019	0 / 1	13.00	100.090	-0.58	100.090
DE000 114170 3	0.250 BO S 170	11.10.2019	0 / 2	16.00	100.202	-0.61	100.394
DE000 110470 1	0.000 BSA 17 IV	13.12.2019	0 / 4	13.00	100.260	-0.64	100.260
DE000 113539 0	3.250 Bund 09	04.01.2020	0 / 5	22.00	101.860	-0.72	103.596
DE000 110471 9	0.000 BSA 18	13.03.2020	0 / 7	13.00	100.440	-0.67	100.440
DE000 103052 6	1.750 Bund 09 index.	15.04.2020	0 / 8	16.00	100.950	0.47	116.327
DE000 114171 1	0.000 BO S 171	17.04.2020	0 / 9	20.00	100.505	-0.67	100.505
DE000 110472 7	0.000 BSA 18 II	12.06.2020	0 / 10	12.00	100.632	-0.70	100.632
DE000 113540 8	3.000 Bund 10	04.07.2020	0 / 11	22.00	103.595	-0.71	103.710
DE000 113541 6	2.250 Bund 10	04.09.2020	1 / 1	16.00	103.381	-0.71	105.335
DE000 110473 5	0.000 BSA 18 III	11.09.2020	1 / 1	12.00	100.829	-0.71	100.829
DE000 114172 9	0.250 BO S 172	16.10.2020	1 / 3	19.00	101.218	-0.72	101.406
DE000 110474 3	0.000 BSA 18 IV	11.12.2020	1 / 4	12.00	101.030	-0.73	101.030
DE000 113542 4	2.500 Bund 10	04.01.2021	1 / 5	19.00	104.870	-0.79	106.206
DE000 110475 0	0.000 BSA 19	12.03.2021	1 / 7	13.00	101.230	-0.74	101.230
DE000 114173 7	0.000 BO S 173	09.04.2021	1 / 8	21.00	101.290	-0.74	101.290
DE000 110476 8	0.000 BSA 19	11.06.2021	1 / 10	10.00	101.430	-0.74	101.430
DE000 113545 7	2.250 Bund 11	04.09.2021	2 / 1	16.00	106.470	-0.75	108.424
DE000 114174 5	0.000 BO S 174	08.10.2021	2 / 2	19.00	101.690	-0.75	101.690
DE000 113546 5	2.000 Bund 11	04.01.2022	2 / 5	20.00	106.890	-0.76	107.958
DE000 114175 2	0.000 BO S 175	08.04.2022	2 / 8	18.00	102.090	-0.76	102.090
DE000 113547 3	1.750 Bund 12	04.07.2022	2 / 11	24.00	107.520	-0.75	107.587
DE000 113549 9	1.500 Bund 12	04.09.2022	3 / 1	18.00	107.160	-0.75	108.463
DE000 114176 0	0.000 BO S 176	07.10.2022	3 / 2	17.00	102.440	-0.75	102.440
DE000 110230 9	1.500 Bund 13	15.02.2023	3 / 6	18.00	108.130	-0.73	108.759
DE000 114177 8	0.000 BO S 177	14.04.2023	3 / 8	16.00	102.760	-0.73	102.760
DE000 103054 2	0.100 Bund 12 index.	15.04.2023	3 / 8	16.50	105.500	-1.32	114.421
DE000 110231 7	1.500 Bund 13 II	15.05.2023	3 / 9	18.00	108.620	-0.71	108.882
DE000 110232 5	2.000 Bund 13	15.08.2023	4 / 0	18.00	111.230	-0.71	113.077
DE000 114178 6	0.000 BO S 178	13.10.2023	4 / 2	16.00	103.010	-0.70	103.010
DE000 113492 2	6.250 Bund 94	04.01.2024	4 / 5	10.25	131.500	-0.67	134.839
DE000 110233 3	1.750 Bund 14	15.02.2024	4 / 6	18.00	111.310	-0.67	112.044
DE000 114179 4	0.000 BO S 179	05.04.2024	4 / 8	21.00	103.140	-0.65	103.140
DE000 110235 8	1.500 Bund 14	15.05.2024	4 / 9	18.00	110.630	-0.66	110.892
DE000 110236 6	1.000 Bund 14	15.08.2024	5 / 0	18.00	108.500	-0.64	109.423
DE000 114180 2	0.000 BO S 180	18.10.2024	5 / 3	4.00	103.270	-0.61	103.270
DE000 110237 4	0.500 Bund 15	15.02.2025	5 / 6	23.00	106.330	-0.61	106.540
DE000 110238 2	1.000 Bund 15	15.08.2025	6 / 0	23.00	109.830	-0.58	110.753
DE000 110239 0	0.500 Bund 16	15.02.2026	6 / 6	26.00	107.050	-0.55	107.260
DE000 103056 7	0.100 Bund 15 index.	15.04.2026	6 / 8	16.20	110.150	-1.33	116.273
DE000 110240 8	0.000 Bund 16	15.08.2026	7 / 0	25.00	103.750	-0.52	103.750
DE000 110241 6	0.250 Bund 17	15.02.2027	7 / 6	26.00	105.660	-0.48	105.765
DE000 113504 4	6.500 Bund 97	04.07.2027	7 / 11	11.25	156.550	-0.46	156.799
DE000 110242 4	0.500 Bund 17	15.08.2027	8 / 0	25.00	107.800	-0.45	108.262
DE000 113506 9	5.625 Bund 98	04.01.2028	8 / 5	14.50	152.390	-0.44	155.395
DE000 110244 0	0.500 Bund 18	15.02.2028	8 / 6	21.00	107.910	-0.40	108.120
DE000 113508 5	4.750 Bund 98 II	04.07.2028	8 / 11	11.25	147.120	-0.40	147.302
DE000 110245 7	0.250 Bund 18	15.08.2028	9 / 0	21.00	105.610	-0.36	105.863
DE000 110246 5	0.250 Bund 19	15.02.2029	9 / 6	22.00	105.460	-0.31	105.589
DE000 110247 3	0.000 Bund 19	15.08.2029	10 / 0	4.00	102.750	-0.27	102.750
DE000 113514 3	6.250 Bund 00	04.01.2030	10 / 5	9.25	170.130	-0.33	173.469
DE000 103055 9	0.500 Bund 14 index.	15.04.2030	10 / 8	14.05	119.750	-1.21	126.848
DE000 113517 6	5.500 Bund 00	04.01.2031	11 / 5	17.00	167.310	-0.27	170.248
DE000 113522 6	4.750 Bund 03	04.07.2034	14 / 11	20.00	173.040	-0.09	173.222
DE000 113527 5	4.000 Bund 05	04.01.2037	17 / 5	23.00	169.720	0.01	171.857
DE000 113532 5	4.250 Bund 07	04.07.2039	19 / 11	14.00	182.430	0.08	182.593
DE000 113536 6	4.750 Bund 08	04.07.2040	20 / 11	16.00	196.500	0.10	196.682
DE000 113543 2	3.250 Bund 10	04.07.2042	22 / 11	15.00	169.540	0.16	169.664
DE000 113548 1	2.500 Bund 12	04.07.2044	24 / 11	27.50	155.050	0.23	155.146
DE000 103057 5	0.100 Bund 15 index. II	15.04.2046	26 / 8	8.45	131.200	-0.92	139.528
DE000 110234 1	2.500 Bund 14	15.08.2046	27 / 0	28.00	158.280	0.27	160.588
DE000 110243 2	1.250 Bund 17	15.08.2048	29 / 0	15.50	126.350	0.30	127.504

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2) BSA: Federal Treasury note (Schatz), BO: Five-year Federal note (Bobl), Bund: Federal bond (Bund)

3) Bundesbank reference price on the Frankfurt Stock Exchange

4) Only for inflation-linked bonds: yield in real terms reported without adjustment for inflation;

the actual total amount is calculated from the product of the price including interest accrued and an index ratio.

Prices and yields of listed Federal securities as of 17.07.19

ISIN 1)	Issue 2) 4)	Maturity date	Residual life y/m	Issue volume € billion	Price 3) as of 17.07.19	Yield	"Dirty price"
DE000 110469 3	0.000 BSA 17 III	13.09.2019	0 / 1	13.00	100.085	-0.55	100.085
DE000 114170 3	0.250 BO S 170	11.10.2019	0 / 2	16.00	100.200	-0.62	100.392
DE000 110470 1	0.000 BSA 17 IV	13.12.2019	0 / 4	13.00	100.260	-0.64	100.260
DE000 113539 0	3.250 Bund 09	04.01.2020	0 / 5	22.00	101.850	-0.72	103.595
DE000 110471 9	0.000 BSA 18	13.03.2020	0 / 7	13.00	100.440	-0.67	100.440
DE000 103052 6	1.750 Bund 09 index.	15.04.2020	0 / 8	16.00	100.900	0.53	116.281
DE000 114171 1	0.000 BO S 171	17.04.2020	0 / 9	20.00	100.500	-0.67	100.500
DE000 110472 7	0.000 BSA 18 II	12.06.2020	0 / 10	12.00	100.631	-0.70	100.631
DE000 113540 8	3.000 Bund 10	04.07.2020	0 / 11	22.00	103.590	-0.72	103.713
DE000 113541 6	2.250 Bund 10	04.09.2020	1 / 1	16.00	103.390	-0.73	105.350
DE000 110473 5	0.000 BSA 18 III	11.09.2020	1 / 1	12.00	100.825	-0.71	100.825
DE000 114172 9	0.250 BO S 172	16.10.2020	1 / 2	19.00	101.215	-0.72	101.404
DE000 110474 3	0.000 BSA 18 IV	11.12.2020	1 / 4	12.00	101.031	-0.73	101.031
DE000 113542 4	2.500 Bund 10	04.01.2021	1 / 5	19.00	104.866	-0.79	106.208
DE000 110475 0	0.000 BSA 19	12.03.2021	1 / 7	13.00	101.230	-0.74	101.230
DE000 114173 7	0.000 BO S 173	09.04.2021	1 / 8	21.00	101.298	-0.75	101.298
DE000 110476 8	0.000 BSA 19	11.06.2021	1 / 10	10.00	101.435	-0.75	101.435
DE000 113545 7	2.250 Bund 11	04.09.2021	2 / 1	16.00	106.460	-0.75	108.420
DE000 114174 5	0.000 BO S 174	08.10.2021	2 / 2	19.00	101.700	-0.76	101.700
DE000 113546 5	2.000 Bund 11	04.01.2022	2 / 5	20.00	106.895	-0.76	107.969
DE000 114175 2	0.000 BO S 175	08.04.2022	2 / 8	18.00	102.100	-0.76	102.100
DE000 113547 3	1.750 Bund 12	04.07.2022	2 / 11	24.00	107.510	-0.75	107.582
DE000 113549 9	1.500 Bund 12	04.09.2022	3 / 1	18.00	107.170	-0.76	108.477
DE000 114176 0	0.000 BO S 176	07.10.2022	3 / 2	17.00	102.450	-0.75	102.450
DE000 110230 9	1.500 Bund 13	15.02.2023	3 / 6	18.00	108.125	-0.73	108.758
DE000 114177 8	0.000 BO S 177	14.04.2023	3 / 8	16.00	102.780	-0.73	102.780
DE000 103054 2	0.100 Bund 12 index.	15.04.2023	3 / 8	16.50	105.450	-1.31	114.373
DE000 110231 7	1.500 Bund 13 II	15.05.2023	3 / 9	18.00	108.640	-0.72	108.906
DE000 110232 5	2.000 Bund 13	15.08.2023	4 / 0	18.00	111.240	-0.71	113.092
DE000 114178 6	0.000 BO S 178	13.10.2023	4 / 2	16.00	103.030	-0.70	103.030
DE000 113492 2	6.250 Bund 94	04.01.2024	4 / 5	10.25	131.510	-0.68	134.866
DE000 110233 3	1.750 Bund 14	15.02.2024	4 / 6	18.00	111.320	-0.68	112.058
DE000 114179 4	0.000 BO S 179	05.04.2024	4 / 8	21.00	103.160	-0.66	103.160
DE000 110235 8	1.500 Bund 14	15.05.2024	4 / 9	18.00	110.650	-0.67	110.916
DE000 110236 6	1.000 Bund 14	15.08.2024	5 / 0	18.00	108.520	-0.65	109.446
DE000 114180 2	0.000 BO S 180	18.10.2024	5 / 3	4.00	103.280	-0.61	103.280
DE000 110237 4	0.500 Bund 15	15.02.2025	5 / 6	23.00	106.360	-0.62	106.571
DE000 110238 2	1.000 Bund 15	15.08.2025	6 / 0	23.00	109.870	-0.59	110.796
DE000 110239 0	0.500 Bund 16	15.02.2026	6 / 6	26.00	107.090	-0.56	107.301
DE000 103056 7	0.100 Bund 15 index.	15.04.2026	6 / 8	16.20	110.170	-1.33	116.300
DE000 110240 8	0.000 Bund 16	15.08.2026	7 / 0	25.00	103.770	-0.52	103.770
DE000 110241 6	0.250 Bund 17	15.02.2027	7 / 6	26.00	105.701	-0.49	105.806
DE000 113504 4	6.500 Bund 97	04.07.2027	7 / 11	11.25	156.550	-0.46	156.816
DE000 110242 4	0.500 Bund 17	15.08.2027	8 / 0	25.00	107.850	-0.45	108.313
DE000 113506 9	5.625 Bund 98	04.01.2028	8 / 5	14.50	152.460	-0.44	155.481
DE000 110244 0	0.500 Bund 18	15.02.2028	8 / 6	21.00	107.970	-0.41	108.181
DE000 113508 5	4.750 Bund 98 II	04.07.2028	8 / 11	11.25	147.200	-0.41	147.395
DE000 110245 7	0.250 Bund 18	15.08.2028	9 / 0	21.00	105.710	-0.37	105.964
DE000 110246 5	0.250 Bund 19	15.02.2029	9 / 6	22.00	105.580	-0.32	105.709
DE000 110247 3	0.000 Bund 19	15.08.2029	10 / 0	4.00	102.860	-0.28	102.860
DE000 113514 3	6.250 Bund 00	04.01.2030	10 / 5	9.25	170.270	-0.34	173.626
DE000 103055 9	0.500 Bund 14 index.	15.04.2030	10 / 8	14.05	119.900	-1.22	127.014
DE000 113517 6	5.500 Bund 00	04.01.2031	11 / 5	17.00	167.450	-0.28	170.403
DE000 113522 6	4.750 Bund 03	04.07.2034	14 / 11	20.00	173.220	-0.10	173.415
DE000 113527 5	4.000 Bund 05	04.01.2037	17 / 5	23.00	169.890	0.00	172.038
DE000 113532 5	4.250 Bund 07	04.07.2039	19 / 11	14.00	182.670	0.08	182.844
DE000 113536 6	4.750 Bund 08	04.07.2040	20 / 11	16.00	196.750	0.09	196.945
DE000 113543 2	3.250 Bund 10	04.07.2042	22 / 11	15.00	169.760	0.15	169.893
DE000 113548 1	2.500 Bund 12	04.07.2044	24 / 11	27.50	155.300	0.22	155.402
DE000 103057 5	0.100 Bund 15 index. II	15.04.2046	26 / 8	8.45	131.650	-0.94	140.014
DE000 110234 1	2.500 Bund 14	15.08.2046	27 / 0	28.00	158.540	0.26	160.855
DE000 110243 2	1.250 Bund 17	15.08.2048	29 / 0	16.50	126.580	0.29	127.738

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3) Bundesbank reference price on the Frankfurt Stock Exchange

4) Only for inflation-linked bonds: yield in real terms reported without adjustment for inflation;

the actual total amount is calculated from the product of the price including interest accrued and an index ratio.

Prices and yields of listed Federal securities as of 18.07.19

ISIN 1)	Issue 2) 4)	Maturity date	Residual life y/m	Issue volume € billion	Price 3) as of 18.07.19	Yield	"Dirty price"
DE000 110469 3	0.000 BSA 17 III	13.09.2019	0 / 1	13.00	100.083	-0.57	100.083
DE000 114170 3	0.250 BO S 170	11.10.2019	0 / 2	16.00	100.193	-0.62	100.388
DE000 110470 1	0.000 BSA 17 IV	13.12.2019	0 / 4	13.00	100.259	-0.65	100.259
DE000 113539 0	3.250 Bund 09	04.01.2020	0 / 5	22.00	101.823	-0.73	103.595
DE000 110471 9	0.000 BSA 18	13.03.2020	0 / 7	13.00	100.439	-0.68	100.439
DE000 103052 6	1.750 Bund 09 index.	15.04.2020	0 / 8	16.00	100.850	0.58	116.254
DE000 114171 1	0.000 BO S 171	17.04.2020	0 / 8	20.00	100.498	-0.67	100.498
DE000 110472 7	0.000 BSA 18 II	12.06.2020	0 / 10	12.00	100.631	-0.70	100.631
DE000 113540 8	3.000 Bund 10	04.07.2020	0 / 11	22.00	103.566	-0.72	103.714
DE000 113541 6	2.250 Bund 10	04.09.2020	1 / 1	16.00	103.363	-0.73	105.342
DE000 110473 5	0.000 BSA 18 III	11.09.2020	1 / 1	12.00	100.828	-0.72	100.828
DE000 114172 9	0.250 BO S 172	16.10.2020	1 / 2	19.00	101.215	-0.73	101.406
DE000 110474 3	0.000 BSA 18 IV	11.12.2020	1 / 4	12.00	101.034	-0.74	101.034
DE000 113542 4	2.500 Bund 10	04.01.2021	1 / 5	19.00	104.849	-0.80	106.212
DE000 110475 0	0.000 BSA 19	12.03.2021	1 / 7	13.00	101.237	-0.75	101.237
DE000 114173 7	0.000 BO S 173	09.04.2021	1 / 8	21.00	101.305	-0.75	101.305
DE000 110476 8	0.000 BSA 19	11.06.2021	1 / 10	10.00	101.440	-0.75	101.440
DE000 113545 7	2.250 Bund 11	04.09.2021	2 / 1	16.00	106.450	-0.76	108.429
DE000 114174 5	0.000 BO S 174	08.10.2021	2 / 2	19.00	101.710	-0.76	101.710
DE000 113546 5	2.000 Bund 11	04.01.2022	2 / 5	20.00	106.890	-0.77	107.980
DE000 114175 2	0.000 BO S 175	08.04.2022	2 / 8	18.00	102.120	-0.77	102.120
DE000 113547 3	1.750 Bund 12	04.07.2022	2 / 11	24.00	107.530	-0.76	107.616
DE000 113549 9	1.500 Bund 12	04.09.2022	3 / 1	18.00	107.190	-0.77	108.509
DE000 114176 0	0.000 BO S 176	07.10.2022	3 / 2	17.00	102.480	-0.76	102.480
DE000 110230 9	1.500 Bund 13	15.02.2023	3 / 6	18.00	108.160	-0.75	108.805
DE000 114177 8	0.000 BO S 177	14.04.2023	3 / 8	16.00	102.830	-0.75	102.830
DE000 103054 2	0.100 Bund 12 index.	15.04.2023	3 / 8	16.50	105.460	-1.32	114.398
DE000 110231 7	1.500 Bund 13 II	15.05.2023	3 / 9	18.00	108.680	-0.74	108.959
DE000 110232 5	2.000 Bund 13	15.08.2023	4 / 0	18.00	111.300	-0.73	113.168
DE000 114178 6	0.000 BO S 178	13.10.2023	4 / 2	16.00	103.100	-0.72	103.100
DE000 113492 2	6.250 Bund 94	04.01.2024	4 / 5	10.25	131.560	-0.70	134.968
DE000 110233 3	1.750 Bund 14	15.02.2024	4 / 6	18.00	111.400	-0.70	112.153
DE000 114179 4	0.000 BO S 179	05.04.2024	4 / 8	21.00	103.250	-0.68	103.250
DE000 110235 8	1.500 Bund 14	15.05.2024	4 / 9	18.00	110.750	-0.69	111.029
DE000 110236 6	1.000 Bund 14	15.08.2024	5 / 0	18.00	108.640	-0.67	109.574
DE000 114180 2	0.000 BO S 180	18.10.2024	5 / 3	4.00	103.410	-0.64	103.410
DE000 110237 4	0.500 Bund 15	15.02.2025	5 / 6	23.00	106.490	-0.64	106.705
DE000 110238 2	1.000 Bund 15	15.08.2025	6 / 0	23.00	110.020	-0.62	110.954
DE000 110239 0	0.500 Bund 16	15.02.2026	6 / 6	26.00	107.260	-0.58	107.475
DE000 103056 7	0.100 Bund 15 index.	15.04.2026	6 / 8	16.20	110.200	-1.34	116.345
DE000 110240 8	0.000 Bund 16	15.08.2026	7 / 0	25.00	103.961	-0.55	103.961
DE000 110241 6	0.250 Bund 17	15.02.2027	7 / 6	26.00	105.910	-0.51	106.018
DE000 113504 4	6.500 Bund 97	04.07.2027	7 / 11	11.25	156.770	-0.49	157.090
DE000 110242 4	0.500 Bund 17	15.08.2027	8 / 0	25.00	108.060	-0.48	108.527
DE000 113506 9	5.625 Bund 98	04.01.2028	8 / 5	14.50	152.690	-0.47	155.757
DE000 110244 0	0.500 Bund 18	15.02.2028	8 / 6	21.00	108.210	-0.44	108.425
DE000 113508 5	4.750 Bund 98 II	04.07.2028	8 / 11	11.25	147.470	-0.44	147.704
DE000 110245 7	0.250 Bund 18	15.08.2028	9 / 0	21.00	105.950	-0.39	106.206
DE000 110246 5	0.250 Bund 19	15.02.2029	9 / 6	22.00	105.840	-0.35	105.972
DE000 110247 3	0.000 Bund 19	15.08.2029	10 / 0	4.00	103.120	-0.30	103.120
DE000 113514 3	6.250 Bund 00	04.01.2030	10 / 5	9.25	170.590	-0.36	173.998
DE000 103055 9	0.500 Bund 14 index.	15.04.2030	10 / 8	14.05	120.100	-1.24	127.245
DE000 113517 6	5.500 Bund 00	04.01.2031	11 / 5	17.00	167.820	-0.31	170.819
DE000 113522 6	4.750 Bund 03	04.07.2034	14 / 11	20.00	173.780	-0.13	174.014
DE000 113527 5	4.000 Bund 05	04.01.2037	17 / 5	23.00	170.550	-0.03	172.731
DE000 113532 5	4.250 Bund 07	04.07.2039	19 / 11	14.00	183.500	0.04	183.709
DE000 113536 6	4.750 Bund 08	04.07.2040	20 / 11	16.00	197.690	0.06	197.924
DE000 113543 2	3.250 Bund 10	04.07.2042	22 / 11	15.00	170.730	0.12	170.890
DE000 113548 1	2.500 Bund 12	04.07.2044	24 / 11	27.50	156.300	0.19	156.423
DE000 103057 5	0.100 Bund 15 index. II	15.04.2046	26 / 8	8.45	132.600	-0.96	141.041
DE000 110234 1	2.500 Bund 14	15.08.2046	27 / 0	28.00	159.620	0.23	161.956
DE000 110243 2	1.250 Bund 17	15.08.2048	29 / 0	16.50	127.600	0.26	128.768

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3) Bundesbank reference price on the Frankfurt Stock Exchange

4) Only for inflation-linked bonds: yield in real terms reported without adjustment for inflation;

the actual total amount is calculated from the product of the price including interest accrued and an index ratio.

Prices and yields of listed Federal securities as of 19.07.19

ISIN 1)	Issue 2) 4)	Maturity date	Residual life y/m	Issue volume € billion	Price 3) as of 19.07.19	Yield	"Dirty price"
DE000 110469 3	0.000 BSA 17 III	13.09.2019	0 / 1	13.00	100.080	-0.55	100.080
DE000 114170 3	0.250 BO S 170	11.10.2019	0 / 2	16.00	100.193	-0.62	100.388
DE000 110470 1	0.000 BSA 17 IV	13.12.2019	0 / 4	13.00	100.260	-0.66	100.260
DE000 113539 0	3.250 Bund 09	04.01.2020	0 / 5	22.00	101.827	-0.74	103.599
DE000 110471 9	0.000 BSA 18	13.03.2020	0 / 7	13.00	100.450	-0.70	100.450
DE000 103052 6	1.750 Bund 09 index.	15.04.2020	0 / 8	16.00	100.860	0.57	116.265
DE000 114171 1	0.000 BO S 171	17.04.2020	0 / 8	20.00	100.515	-0.69	100.515
DE000 110472 7	0.000 BSA 18 II	12.06.2020	0 / 10	12.00	100.635	-0.71	100.635
DE000 113540 8	3.000 Bund 10	04.07.2020	0 / 11	22.00	103.565	-0.72	103.713
DE000 113541 6	2.250 Bund 10	04.09.2020	1 / 1	16.00	103.368	-0.73	105.347
DE000 110473 5	0.000 BSA 18 III	11.09.2020	1 / 1	12.00	100.840	-0.73	100.840
DE000 114172 9	0.250 BO S 172	16.10.2020	1 / 2	19.00	101.226	-0.73	101.417
DE000 110474 3	0.000 BSA 18 IV	11.12.2020	1 / 4	12.00	101.050	-0.75	101.050
DE000 113542 4	2.500 Bund 10	04.01.2021	1 / 5	19.00	104.860	-0.81	106.223
DE000 110475 0	0.000 BSA 19	12.03.2021	1 / 7	13.00	101.258	-0.76	101.258
DE000 114173 7	0.000 BO S 173	09.04.2021	1 / 8	21.00	101.325	-0.76	101.325
DE000 110476 8	0.000 BSA 19	11.06.2021	1 / 10	10.00	101.465	-0.77	101.465
DE000 113545 7	2.250 Bund 11	04.09.2021	2 / 1	16.00	106.480	-0.77	108.459
DE000 114174 5	0.000 BO S 174	08.10.2021	2 / 2	19.00	101.740	-0.78	101.740
DE000 113546 5	2.000 Bund 11	04.01.2022	2 / 5	20.00	106.930	-0.78	108.020
DE000 114175 2	0.000 BO S 175	08.04.2022	2 / 8	18.00	102.160	-0.78	102.160
DE000 113547 3	1.750 Bund 12	04.07.2022	2 / 11	24.00	107.580	-0.78	107.666
DE000 113549 9	1.500 Bund 12	04.09.2022	3 / 1	18.00	107.240	-0.78	108.559
DE000 114176 0	0.000 BO S 176	07.10.2022	3 / 2	17.00	102.540	-0.78	102.540
DE000 110230 9	1.500 Bund 13	15.02.2023	3 / 6	18.00	108.230	-0.76	108.875
DE000 114177 8	0.000 BO S 177	14.04.2023	3 / 8	16.00	102.910	-0.77	102.910
DE000 103054 2	0.100 Bund 12 index.	15.04.2023	3 / 8	16.50	105.750	-1.39	114.713
DE000 110231 7	1.500 Bund 13 II	15.05.2023	3 / 9	18.00	108.760	-0.75	109.039
DE000 110232 5	2.000 Bund 13	15.08.2023	4 / 0	18.00	111.380	-0.75	113.248
DE000 114178 6	0.000 BO S 178	13.10.2023	4 / 2	16.00	103.190	-0.74	103.190
DE000 113492 2	6.250 Bund 94	04.01.2024	4 / 5	10.25	131.660	-0.72	135.068
DE000 110233 3	1.750 Bund 14	15.02.2024	4 / 6	18.00	111.510	-0.72	112.263
DE000 114179 4	0.000 BO S 179	05.04.2024	4 / 8	21.00	103.370	-0.70	103.370
DE000 110235 8	1.500 Bund 14	15.05.2024	4 / 9	18.00	110.870	-0.71	111.149
DE000 110236 6	1.000 Bund 14	15.08.2024	5 / 0	18.00	108.760	-0.69	109.694
DE000 114180 2	0.000 BO S 180	18.10.2024	5 / 2	4.00	103.530	-0.66	103.530
DE000 110237 4	0.500 Bund 15	15.02.2025	5 / 6	23.00	106.630	-0.66	106.845
DE000 110238 2	1.000 Bund 15	15.08.2025	6 / 0	23.00	110.160	-0.64	111.094
DE000 110239 0	0.500 Bund 16	15.02.2026	6 / 6	26.00	107.430	-0.61	107.645
DE000 103056 7	0.100 Bund 15 index.	15.04.2026	6 / 8	16.20	110.950	-1.44	117.137
DE000 110240 8	0.000 Bund 16	15.08.2026	7 / 0	25.00	104.130	-0.57	104.130
DE000 110241 6	0.250 Bund 17	15.02.2027	7 / 6	26.00	106.070	-0.53	106.178
DE000 113504 4	6.500 Bund 97	04.07.2027	7 / 11	11.25	156.950	-0.50	157.270
DE000 110242 4	0.500 Bund 17	15.08.2027	8 / 0	25.00	108.220	-0.50	108.687
DE000 113506 9	5.625 Bund 98	04.01.2028	8 / 5	14.50	152.890	-0.49	155.957
DE000 110244 0	0.500 Bund 18	15.02.2028	8 / 6	21.00	108.390	-0.46	108.605
DE000 113508 5	4.750 Bund 98 II	04.07.2028	8 / 11	11.25	147.680	-0.46	147.914
DE000 110245 7	0.250 Bund 18	15.08.2028	9 / 0	21.00	106.130	-0.41	106.386
DE000 110246 5	0.250 Bund 19	15.02.2029	9 / 6	22.00	106.030	-0.37	106.162
DE000 110247 3	0.000 Bund 19	15.08.2029	10 / 0	4.00	103.330	-0.32	103.330
DE000 113514 3	6.250 Bund 00	04.01.2030	10 / 5	9.25	170.790	-0.38	174.198
DE000 103055 9	0.500 Bund 14 index.	15.04.2030	10 / 8	14.05	121.150	-1.32	128.356
DE000 113517 6	5.500 Bund 00	04.01.2031	11 / 5	17.00	168.000	-0.32	170.999
DE000 113522 6	4.750 Bund 03	04.07.2034	14 / 11	20.00	173.870	-0.14	174.104
DE000 113527 5	4.000 Bund 05	04.01.2037	17 / 5	23.00	170.530	-0.03	172.711
DE000 113532 5	4.250 Bund 07	04.07.2039	19 / 11	14.00	183.380	0.05	183.589
DE000 113536 6	4.750 Bund 08	04.07.2040	20 / 11	16.00	197.490	0.06	197.724
DE000 113543 2	3.250 Bund 10	04.07.2042	22 / 11	15.00	170.440	0.13	170.600
DE000 113548 1	2.500 Bund 12	04.07.2044	24 / 11	27.50	155.870	0.20	155.993
DE000 103057 5	0.100 Bund 15 index. II	15.04.2046	26 / 8	8.45	134.850	-1.03	143.433
DE000 110234 1	2.500 Bund 14	15.08.2046	27 / 0	28.00	159.150	0.24	161.486
DE000 110243 2	1.250 Bund 17	15.08.2048	29 / 0	16.50	127.190	0.28	128.358

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3) Bundesbank reference price on the Frankfurt Stock Exchange

4) Only for inflation-linked bonds: yield in real terms reported without adjustment for inflation;

the actual total amount is calculated from the product of the price including interest accrued and an index ratio.

Prices and yields of listed Federal securities as of 22.07.19

ISIN 1)	Issue 2) 4)	Maturity date	Residual life y/m	Issue volume € billion	Price 3) as of 22.07.19	Yield	"Dirty price"
DE000 110469 3	0.000 BSA 17 III	13.09.2019	0 / 1	13.00	100.080	-0.57	100.080
DE000 114170 3	0.250 BO S 170	11.10.2019	0 / 2	16.00	100.190	-0.63	100.386
DE000 110470 1	0.000 BSA 17 IV	13.12.2019	0 / 4	13.00	100.252	-0.65	100.252
DE000 113539 0	3.250 Bund 09	04.01.2020	0 / 5	22.00	101.820	-0.77	103.610
DE000 110471 9	0.000 BSA 18	13.03.2020	0 / 7	13.00	100.450	-0.70	100.450
DE000 103052 6	1.750 Bund 09 index.	15.04.2020	0 / 8	16.00	100.870	0.55	116.297
DE000 114171 1	0.000 BO S 171	17.04.2020	0 / 8	20.00	100.516	-0.70	100.516
DE000 110472 7	0.000 BSA 18 II	12.06.2020	0 / 10	12.00	100.630	-0.71	100.630
DE000 113540 8	3.000 Bund 10	04.07.2020	0 / 11	22.00	103.555	-0.73	103.719
DE000 113541 6	2.250 Bund 10	04.09.2020	1 / 1	16.00	103.368	-0.75	105.359
DE000 110473 5	0.000 BSA 18 III	11.09.2020	1 / 1	12.00	100.846	-0.74	100.846
DE000 114172 9	0.250 BO S 172	16.10.2020	1 / 2	19.00	101.234	-0.74	101.426
DE000 110474 3	0.000 BSA 18 IV	11.12.2020	1 / 4	12.00	101.060	-0.76	101.060
DE000 113542 4	2.500 Bund 10	04.01.2021	1 / 5	19.00	104.865	-0.82	106.242
DE000 110475 0	0.000 BSA 19	12.03.2021	1 / 7	13.00	101.270	-0.77	101.270
DE000 114173 7	0.000 BO S 173	09.04.2021	1 / 8	21.00	101.340	-0.78	101.340
DE000 110476 8	0.000 BSA 19	11.06.2021	1 / 10	10.00	101.485	-0.78	101.485
DE000 113545 7	2.250 Bund 11	04.09.2021	2 / 1	16.00	106.500	-0.79	108.491
DE000 114174 5	0.000 BO S 174	08.10.2021	2 / 2	19.00	101.770	-0.79	101.770
DE000 113546 5	2.000 Bund 11	04.01.2022	2 / 5	20.00	106.950	-0.80	108.051
DE000 114175 2	0.000 BO S 175	08.04.2022	2 / 8	18.00	102.190	-0.80	102.190
DE000 113547 3	1.750 Bund 12	04.07.2022	2 / 11	24.00	107.610	-0.79	107.706
DE000 113549 9	1.500 Bund 12	04.09.2022	3 / 1	18.00	107.270	-0.80	108.597
DE000 114176 0	0.000 BO S 176	07.10.2022	3 / 2	17.00	102.580	-0.79	102.580
DE000 110230 9	1.500 Bund 13	15.02.2023	3 / 6	18.00	108.270	-0.78	108.923
DE000 114177 8	0.000 BO S 177	14.04.2023	3 / 8	16.00	102.950	-0.78	102.950
DE000 103054 2	0.100 Bund 12 index.	15.04.2023	3 / 8	16.50	105.850	-1.42	114.830
DE000 110231 7	1.500 Bund 13 II	15.05.2023	3 / 9	18.00	108.800	-0.77	109.087
DE000 110232 5	2.000 Bund 13	15.08.2023	4 / 0	18.00	111.430	-0.76	113.309
DE000 114178 6	0.000 BO S 178	13.10.2023	4 / 2	16.00	103.240	-0.75	103.240
DE000 113492 2	6.250 Bund 94	04.01.2024	4 / 5	10.25	131.700	-0.73	135.142
DE000 110233 3	1.750 Bund 14	15.02.2024	4 / 6	18.00	111.560	-0.73	112.322
DE000 114179 4	0.000 BO S 179	05.04.2024	4 / 8	21.00	103.420	-0.71	103.420
DE000 110235 8	1.500 Bund 14	15.05.2024	4 / 9	18.00	110.920	-0.72	111.207
DE000 110236 6	1.000 Bund 14	15.08.2024	5 / 0	18.00	108.810	-0.70	109.750
DE000 114180 2	0.000 BO S 180	18.10.2024	5 / 2	4.00	103.590	-0.67	103.590
DE000 110237 4	0.500 Bund 15	15.02.2025	5 / 6	23.00	106.680	-0.67	106.898
DE000 110238 2	1.000 Bund 15	15.08.2025	6 / 0	23.00	110.220	-0.65	111.160
DE000 110239 0	0.500 Bund 16	15.02.2026	6 / 6	26.00	107.500	-0.62	107.718
DE000 103056 7	0.100 Bund 15 index.	15.04.2026	6 / 8	16.20	111.250	-1.48	117.464
DE000 110240 8	0.000 Bund 16	15.08.2026	7 / 0	25.00	104.205	-0.58	104.205
DE000 110241 6	0.250 Bund 17	15.02.2027	7 / 6	26.00	106.160	-0.55	106.269
DE000 113504 4	6.500 Bund 97	04.07.2027	7 / 11	11.25	157.060	-0.52	157.415
DE000 110242 4	0.500 Bund 17	15.08.2027	8 / 0	25.00	108.310	-0.51	108.780
DE000 113506 9	5.625 Bund 98	04.01.2028	8 / 5	14.50	153.000	-0.50	156.098
DE000 110244 0	0.500 Bund 18	15.02.2028	8 / 6	21.00	108.480	-0.47	108.698
DE000 113508 5	4.750 Bund 98 II	04.07.2028	8 / 11	11.25	147.790	-0.47	148.050
DE000 110245 7	0.250 Bund 18	15.08.2028	9 / 0	21.00	106.220	-0.42	106.478
DE000 110246 5	0.250 Bund 19	15.02.2029	9 / 6	22.00	106.130	-0.38	106.263
DE000 110247 3	0.000 Bund 19	15.08.2029	10 / 0	4.00	103.430	-0.33	103.430
DE000 113514 3	6.250 Bund 00	04.01.2030	10 / 5	9.25	170.910	-0.39	174.352
DE000 103055 9	0.500 Bund 14 index.	15.04.2030	10 / 8	14.05	121.600	-1.36	128.846
DE000 113517 6	5.500 Bund 00	04.01.2031	11 / 5	17.00	168.160	-0.33	171.189
DE000 113522 6	4.750 Bund 03	04.07.2034	14 / 11	20.00	174.070	-0.15	174.330
DE000 113527 5	4.000 Bund 05	04.01.2037	17 / 5	23.00	170.770	-0.04	172.973
DE000 113532 5	4.250 Bund 07	04.07.2039	19 / 11	14.00	183.680	0.04	183.912
DE000 113536 6	4.750 Bund 08	04.07.2040	20 / 11	16.00	197.850	0.05	198.110
DE000 113543 2	3.250 Bund 10	04.07.2042	22 / 11	15.00	170.800	0.12	170.978
DE000 113548 1	2.500 Bund 12	04.07.2044	24 / 11	27.50	156.300	0.19	156.437
DE000 103057 5	0.100 Bund 15 index. II	15.04.2046	26 / 8	8.45	136.300	-1.07	144.988
DE000 110234 1	2.500 Bund 14	15.08.2046	27 / 0	28.00	159.600	0.23	161.949
DE000 110243 2	1.250 Bund 17	15.08.2048	29 / 0	16.50	127.610	0.26	128.785

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4) Only for inflation-linked bonds: yield in real terms reported without adjustment for inflation;

the actual total amount is calculated from the product of the price including interest accrued and an index ratio.

Prices and yields of listed Federal securities as of 23.07.19

ISIN 1)	Issue 2) 4)	Maturity date	Residual life y/m	Issue volume € billion	Price 3) as of 23.07.19	Yield	"Dirty price"
DE000 110469 3	0.000 BSA 17 III	13.09.2019	0 / 1	13.00	100.077	-0.56	100.077
DE000 114170 3	0.250 BO S 170	11.10.2019	0 / 2	16.00	100.187	-0.62	100.384
DE000 110470 1	0.000 BSA 17 IV	13.12.2019	0 / 4	13.00	100.250	-0.65	100.250
DE000 113539 0	3.250 Bund 09	04.01.2020	0 / 5	22.00	101.808	-0.77	103.607
DE000 110471 9	0.000 BSA 18	13.03.2020	0 / 7	13.00	100.445	-0.70	100.445
DE000 103052 6	1.750 Bund 09 index.	15.04.2020	0 / 8	16.00	100.850	0.57	116.284
DE000 114171 1	0.000 BO S 171	17.04.2020	0 / 8	20.00	100.511	-0.70	100.511
DE000 110472 7	0.000 BSA 18 II	12.06.2020	0 / 10	12.00	100.630	-0.71	100.630
DE000 113540 8	3.000 Bund 10	04.07.2020	0 / 11	22.00	103.535	-0.72	103.707
DE000 113541 6	2.250 Bund 10	04.09.2020	1 / 1	16.00	103.360	-0.75	105.357
DE000 110473 5	0.000 BSA 18 III	11.09.2020	1 / 1	12.00	100.835	-0.73	100.835
DE000 114172 9	0.250 BO S 172	16.10.2020	1 / 2	19.00	101.220	-0.74	101.413
DE000 110474 3	0.000 BSA 18 IV	11.12.2020	1 / 4	12.00	101.056	-0.76	101.056
DE000 113542 4	2.500 Bund 10	04.01.2021	1 / 5	19.00	104.855	-0.82	106.239
DE000 110475 0	0.000 BSA 19	12.03.2021	1 / 7	13.00	101.265	-0.77	101.265
DE000 114173 7	0.000 BO S 173	09.04.2021	1 / 8	21.00	101.330	-0.77	101.330
DE000 110476 8	0.000 BSA 19	11.06.2021	1 / 10	10.00	101.480	-0.78	101.480
DE000 113545 7	2.250 Bund 11	04.09.2021	2 / 1	16.00	106.480	-0.78	108.477
DE000 114174 5	0.000 BO S 174	08.10.2021	2 / 2	19.00	101.760	-0.79	101.760
DE000 113546 5	2.000 Bund 11	04.01.2022	2 / 5	20.00	106.930	-0.79	108.037
DE000 114175 2	0.000 BO S 175	08.04.2022	2 / 8	18.00	102.188	-0.80	102.188
DE000 113547 3	1.750 Bund 12	04.07.2022	2 / 11	24.00	107.600	-0.79	107.700
DE000 113549 9	1.500 Bund 12	04.09.2022	3 / 1	18.00	107.260	-0.79	108.592
DE000 114176 0	0.000 BO S 176	07.10.2022	3 / 2	17.00	102.570	-0.79	102.570
DE000 110230 9	1.500 Bund 13	15.02.2023	3 / 6	18.00	108.260	-0.78	108.918
DE000 114177 8	0.000 BO S 177	14.04.2023	3 / 8	16.00	102.940	-0.78	102.940
DE000 103054 2	0.100 Bund 12 index.	15.04.2023	3 / 8	16.50	105.750	-1.39	114.727
DE000 110231 7	1.500 Bund 13 II	15.05.2023	3 / 9	18.00	108.780	-0.76	109.071
DE000 110232 5	2.000 Bund 13	15.08.2023	4 / 0	18.00	111.410	-0.76	113.295
DE000 114178 6	0.000 BO S 178	13.10.2023	4 / 2	16.00	103.220	-0.75	103.220
DE000 113492 2	6.250 Bund 94	04.01.2024	4 / 5	10.25	131.660	-0.73	135.119
DE000 110233 3	1.750 Bund 14	15.02.2024	4 / 6	18.00	111.550	-0.73	112.317
DE000 114179 4	0.000 BO S 179	05.04.2024	4 / 8	21.00	103.410	-0.71	103.410
DE000 110235 8	1.500 Bund 14	15.05.2024	4 / 9	18.00	110.900	-0.72	111.191
DE000 110236 6	1.000 Bund 14	15.08.2024	5 / 0	18.00	108.800	-0.70	109.742
DE000 114180 2	0.000 BO S 180	18.10.2024	5 / 2	4.00	103.580	-0.67	103.580
DE000 110237 4	0.500 Bund 15	15.02.2025	5 / 6	23.00	106.680	-0.67	106.899
DE000 110238 2	1.000 Bund 15	15.08.2025	6 / 0	23.00	110.220	-0.65	111.162
DE000 110239 0	0.500 Bund 16	15.02.2026	6 / 6	26.00	107.510	-0.62	107.729
DE000 103056 7	0.100 Bund 15 index.	15.04.2026	6 / 8	16.20	111.000	-1.45	117.205
DE000 110240 8	0.000 Bund 16	15.08.2026	7 / 0	25.00	104.230	-0.59	104.230
DE000 110241 6	0.250 Bund 17	15.02.2027	7 / 6	26.00	106.190	-0.55	106.300
DE000 113504 4	6.500 Bund 97	04.07.2027	7 / 11	11.25	157.070	-0.52	157.443
DE000 110242 4	0.500 Bund 17	15.08.2027	8 / 0	25.00	108.350	-0.51	108.821
DE000 113506 9	5.625 Bund 98	04.01.2028	8 / 5	14.50	153.020	-0.50	156.133
DE000 110244 0	0.500 Bund 18	15.02.2028	8 / 6	21.00	108.520	-0.47	108.739
DE000 113508 5	4.750 Bund 98 II	04.07.2028	8 / 11	11.25	147.830	-0.47	148.103
DE000 110245 7	0.250 Bund 18	15.08.2028	9 / 0	21.00	106.270	-0.43	106.528
DE000 110246 5	0.250 Bund 19	15.02.2029	9 / 6	22.00	106.190	-0.38	106.324
DE000 110247 3	0.000 Bund 19	15.08.2029	10 / 0	4.00	103.500	-0.34	103.500
DE000 113514 3	6.250 Bund 00	04.01.2030	10 / 5	9.25	170.960	-0.39	174.419
DE000 103055 9	0.500 Bund 14 index.	15.04.2030	10 / 8	14.05	121.300	-1.33	128.535
DE000 113517 6	5.500 Bund 00	04.01.2031	11 / 5	17.00	168.210	-0.34	171.254
DE000 113522 6	4.750 Bund 03	04.07.2034	14 / 11	20.00	174.130	-0.15	174.403
DE000 113527 5	4.000 Bund 05	04.01.2037	17 / 5	23.00	170.840	-0.04	173.054
DE000 113532 5	4.250 Bund 07	04.07.2039	19 / 11	14.00	183.740	0.04	183.984
DE000 113536 6	4.750 Bund 08	04.07.2040	20 / 11	16.00	197.900	0.05	198.173
DE000 113543 2	3.250 Bund 10	04.07.2042	22 / 11	15.00	170.880	0.12	171.066
DE000 113548 1	2.500 Bund 12	04.07.2044	24 / 11	27.50	156.340	0.19	156.483
DE000 103057 5	0.100 Bund 15 index. II	15.04.2046	26 / 8	8.45	135.300	-1.04	143.930
DE000 110234 1	2.500 Bund 14	15.08.2046	27 / 0	28.00	159.630	0.23	161.986
DE000 110243 2	1.250 Bund 17	15.08.2048	29 / 0	16.50	127.640	0.26	128.818

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4) Only for inflation-linked bonds: yield in real terms reported without adjustment for inflation;

the actual total amount is calculated from the product of the price including interest accrued and an index ratio.

Prices and yields of listed Federal securities as of 24.07.19

ISIN 1)	Issue 2) 4)	Maturity date	Residual life y/m	Issue volume € billion	Price 3) as of 24.07.19	Yield	"Dirty price"
DE000 110469 3	0.000 BSA 17 III	13.09.2019	0 / 1	13.00	100.076	-0.57	100.076
DE000 114170 3	0.250 BO S 170	11.10.2019	0 / 2	16.00	100.185	-0.62	100.382
DE000 110470 1	0.000 BSA 17 IV	13.12.2019	0 / 4	13.00	100.252	-0.66	100.252
DE000 113539 0	3.250 Bund 09	04.01.2020	0 / 5	22.00	101.800	-0.78	103.608
DE000 110471 9	0.000 BSA 18	13.03.2020	0 / 7	13.00	100.445	-0.70	100.445
DE000 103052 6	1.750 Bund 09 index.	15.04.2020	0 / 8	16.00	100.840	0.58	116.283
DE000 114171 1	0.000 BO S 171	17.04.2020	0 / 8	20.00	100.506	-0.69	100.506
DE000 110472 7	0.000 BSA 18 II	12.06.2020	0 / 10	12.00	100.633	-0.71	100.633
DE000 113540 8	3.000 Bund 10	04.07.2020	0 / 11	22.00	103.535	-0.73	103.715
DE000 113541 6	2.250 Bund 10	04.09.2020	1 / 1	16.00	103.360	-0.75	105.363
DE000 110473 5	0.000 BSA 18 III	11.09.2020	1 / 1	12.00	100.838	-0.74	100.838
DE000 114172 9	0.250 BO S 172	16.10.2020	1 / 2	19.00	101.225	-0.74	101.419
DE000 110474 3	0.000 BSA 18 IV	11.12.2020	1 / 4	12.00	101.055	-0.76	101.055
DE000 113542 4	2.500 Bund 10	04.01.2021	1 / 5	19.00	104.850	-0.82	106.240
DE000 110475 0	0.000 BSA 19	12.03.2021	1 / 7	13.00	101.275	-0.78	101.275
DE000 114173 7	0.000 BO S 173	09.04.2021	1 / 8	21.00	101.345	-0.78	101.345
DE000 110476 8	0.000 BSA 19	11.06.2021	1 / 10	10.00	101.493	-0.79	101.493
DE000 113545 7	2.250 Bund 11	04.09.2021	2 / 1	16.00	106.510	-0.80	108.513
DE000 114174 5	0.000 BO S 174	08.10.2021	2 / 2	19.00	101.800	-0.81	101.800
DE000 113546 5	2.000 Bund 11	04.01.2022	2 / 5	20.00	106.970	-0.81	108.082
DE000 114175 2	0.000 BO S 175	08.04.2022	2 / 8	18.00	102.230	-0.81	102.230
DE000 113547 3	1.750 Bund 12	04.07.2022	2 / 11	24.00	107.630	-0.80	107.735
DE000 113549 9	1.500 Bund 12	04.09.2022	3 / 1	18.00	107.300	-0.81	108.636
DE000 114176 0	0.000 BO S 176	07.10.2022	3 / 2	17.00	102.610	-0.80	102.610
DE000 110230 9	1.500 Bund 13	15.02.2023	3 / 6	18.00	108.310	-0.79	108.972
DE000 114177 8	0.000 BO S 177	14.04.2023	3 / 8	16.00	103.010	-0.79	103.010
DE000 103054 2	0.100 Bund 12 index.	15.04.2023	3 / 8	16.50	105.760	-1.40	114.743
DE000 110231 7	1.500 Bund 13 II	15.05.2023	3 / 9	18.00	108.840	-0.78	109.135
DE000 110232 5	2.000 Bund 13	15.08.2023	4 / 0	18.00	111.480	-0.78	113.370
DE000 114178 6	0.000 BO S 178	13.10.2023	4 / 2	16.00	103.300	-0.77	103.300
DE000 113492 2	6.250 Bund 94	04.01.2024	4 / 5	10.25	131.740	-0.75	135.216
DE000 110233 3	1.750 Bund 14	15.02.2024	4 / 6	18.00	111.630	-0.75	112.402
DE000 114179 4	0.000 BO S 179	05.04.2024	4 / 8	21.00	103.500	-0.73	103.500
DE000 110235 8	1.500 Bund 14	15.05.2024	4 / 9	18.00	110.990	-0.74	111.285
DE000 110236 6	1.000 Bund 14	15.08.2024	5 / 0	18.00	108.910	-0.72	109.855
DE000 114180 2	0.000 BO S 180	18.10.2024	5 / 2	4.00	103.690	-0.69	103.690
DE000 110237 4	0.500 Bund 15	15.02.2025	5 / 6	23.00	106.800	-0.70	107.021
DE000 110238 2	1.000 Bund 15	15.08.2025	6 / 0	23.00	110.370	-0.67	111.315
DE000 110239 0	0.500 Bund 16	15.02.2026	6 / 6	26.00	107.690	-0.64	107.911
DE000 103056 7	0.100 Bund 15 index.	15.04.2026	6 / 8	16.20	111.050	-1.45	117.263
DE000 110240 8	0.000 Bund 16	15.08.2026	7 / 0	25.00	104.430	-0.61	104.430
DE000 110241 6	0.250 Bund 17	15.02.2027	7 / 6	26.00	106.420	-0.58	106.530
DE000 113504 4	6.500 Bund 97	04.07.2027	7 / 11	11.25	157.350	-0.55	157.741
DE000 110242 4	0.500 Bund 17	15.08.2027	8 / 0	25.00	108.600	-0.54	109.073
DE000 113506 9	5.625 Bund 98	04.01.2028	8 / 5	14.50	153.360	-0.54	156.488
DE000 110244 0	0.500 Bund 18	15.02.2028	8 / 6	21.00	108.810	-0.50	109.031
DE000 113508 5	4.750 Bund 98 II	04.07.2028	8 / 11	11.25	148.200	-0.51	148.486
DE000 110245 7	0.250 Bund 18	15.08.2028	9 / 0	21.00	106.590	-0.46	106.849
DE000 110246 5	0.250 Bund 19	15.02.2029	9 / 6	22.00	106.530	-0.42	106.664
DE000 110247 3	0.000 Bund 19	15.08.2029	10 / 0	4.00	103.850	-0.38	103.850
DE000 113514 3	6.250 Bund 00	04.01.2030	10 / 5	9.25	171.430	-0.42	174.906
DE000 103055 9	0.500 Bund 14 index.	15.04.2030	10 / 8	14.05	121.450	-1.35	128.700
DE000 113517 6	5.500 Bund 00	04.01.2031	11 / 5	17.00	168.730	-0.37	171.789
DE000 113522 6	4.750 Bund 03	04.07.2034	14 / 11	20.00	174.920	-0.19	175.206
DE000 113527 5	4.000 Bund 05	04.01.2037	17 / 5	23.00	171.780	-0.08	174.005
DE000 113532 5	4.250 Bund 07	04.07.2039	19 / 11	14.00	184.920	-0.01	185.175
DE000 113536 6	4.750 Bund 08	04.07.2040	20 / 11	16.00	199.230	0.01	199.516
DE000 113543 2	3.250 Bund 10	04.07.2042	22 / 11	15.00	172.260	0.07	172.455
DE000 113548 1	2.500 Bund 12	04.07.2044	24 / 11	27.50	157.790	0.14	157.940
DE000 103057 5	0.100 Bund 15 index. II	15.04.2046	26 / 8	8.45	136.500	-1.07	145.212
DE000 110234 1	2.500 Bund 14	15.08.2046	27 / 0	28.00	161.240	0.18	163.603
DE000 110243 2	1.250 Bund 17	15.08.2048	29 / 0	16.50	129.130	0.21	130.312

1) The six-digit part of the ISIN in bold print is the same as the current German security identification number

2) BSA: Federal Treasury note (Schatz), BO: Five-year Federal note (Bobl), Bund: Federal bond (Bund)

3) Bundesbank reference price on the Frankfurt Stock Exchange

4) Only for inflation-linked bonds: yield in real terms reported without adjustment for inflation;

the actual total amount is calculated from the product of the price including interest accrued and an index ratio.

Prices and yields of listed Federal securities as of 25.07.19

ISIN 1)	Issue 2) 4)	Maturity date	Residual life y/m	Issue volume € billion	Price 3) as of 25.07.19	Yield	"Dirty price"
DE000 110469 3	0.000 BSA 17 III	13.09.2019	0 / 1	13.00	100.071	-0.56	100.071
DE000 114170 3	0.250 BO S 170	11.10.2019	0 / 2	16.00	100.175	-0.61	100.374
DE000 110470 1	0.000 BSA 17 IV	13.12.2019	0 / 4	13.00	100.243	-0.65	100.243
DE000 113539 0	3.250 Bund 09	04.01.2020	0 / 5	22.00	101.775	-0.80	103.609
DE000 110471 9	0.000 BSA 18	13.03.2020	0 / 7	13.00	100.440	-0.70	100.440
DE000 103052 6	1.750 Bund 09 index.	15.04.2020	0 / 8	16.00	100.850	0.55	116.325
DE000 114171 1	0.000 BO S 171	17.04.2020	0 / 8	20.00	100.502	-0.70	100.502
DE000 110472 7	0.000 BSA 18 II	12.06.2020	0 / 10	12.00	100.628	-0.72	100.628
DE000 113540 8	3.000 Bund 10	04.07.2020	0 / 11	22.00	103.510	-0.74	103.715
DE000 113541 6	2.250 Bund 10	04.09.2020	1 / 1	16.00	103.328	-0.75	105.350
DE000 110473 5	0.000 BSA 18 III	11.09.2020	1 / 1	12.00	100.836	-0.74	100.836
DE000 114172 9	0.250 BO S 172	16.10.2020	1 / 2	19.00	101.217	-0.74	101.413
DE000 110474 3	0.000 BSA 18 IV	11.12.2020	1 / 4	12.00	101.055	-0.76	101.055
DE000 113542 4	2.500 Bund 10	04.01.2021	1 / 5	19.00	104.830	-0.83	106.241
DE000 110475 0	0.000 BSA 19	12.03.2021	1 / 7	13.00	101.270	-0.78	101.270
DE000 114173 7	0.000 BO S 173	09.04.2021	1 / 8	21.00	101.355	-0.79	101.355
DE000 110476 8	0.000 BSA 19	11.06.2021	1 / 10	10.00	101.492	-0.79	101.492
DE000 113545 7	2.250 Bund 11	04.09.2021	2 / 1	16.00	106.490	-0.80	108.512
DE000 114174 5	0.000 BO S 174	08.10.2021	2 / 2	19.00	101.800	-0.81	101.800
DE000 113546 5	2.000 Bund 11	04.01.2022	2 / 5	20.00	106.950	-0.81	108.079
DE000 114175 2	0.000 BO S 175	08.04.2022	2 / 8	18.00	102.240	-0.82	102.240
DE000 113547 3	1.750 Bund 12	04.07.2022	2 / 11	24.00	107.620	-0.81	107.740
DE000 113549 9	1.500 Bund 12	04.09.2022	3 / 1	18.00	107.300	-0.81	108.648
DE000 114176 0	0.000 BO S 176	07.10.2022	3 / 2	17.00	102.630	-0.81	102.630
DE000 110230 9	1.500 Bund 13	15.02.2023	3 / 6	18.00	108.310	-0.80	108.984
DE000 114177 8	0.000 BO S 177	14.04.2023	3 / 8	16.00	103.020	-0.80	103.020
DE000 103054 2	0.100 Bund 12 index.	15.04.2023	3 / 8	16.50	105.830	-1.42	114.833
DE000 110231 7	1.500 Bund 13 II	15.05.2023	3 / 9	18.00	108.850	-0.79	109.157
DE000 110232 5	2.000 Bund 13	15.08.2023	4 / 0	18.00	111.470	-0.78	113.377
DE000 114178 6	0.000 BO S 178	13.10.2023	4 / 2	16.00	103.310	-0.77	103.310
DE000 113492 2	6.250 Bund 94	04.01.2024	4 / 5	10.25	131.700	-0.75	135.227
DE000 110233 3	1.750 Bund 14	15.02.2024	4 / 6	18.00	111.640	-0.75	112.426
DE000 114179 4	0.000 BO S 179	05.04.2024	4 / 8	21.00	103.520	-0.74	103.520
DE000 110235 8	1.500 Bund 14	15.05.2024	4 / 9	18.00	110.990	-0.74	111.297
DE000 110236 6	1.000 Bund 14	15.08.2024	5 / 0	18.00	108.920	-0.73	109.873
DE000 114180 2	0.000 BO S 180	18.10.2024	5 / 2	4.00	103.710	-0.70	103.710
DE000 110237 4	0.500 Bund 15	15.02.2025	5 / 6	23.00	106.830	-0.70	107.055
DE000 110238 2	1.000 Bund 15	15.08.2025	6 / 0	23.00	110.400	-0.68	111.353
DE000 110239 0	0.500 Bund 16	15.02.2026	6 / 6	26.00	107.750	-0.65	107.975
DE000 103056 7	0.100 Bund 15 index.	15.04.2026	6 / 8	16.20	111.340	-1.49	117.584
DE000 110240 8	0.000 Bund 16	15.08.2026	7 / 0	25.00	104.510	-0.62	104.510
DE000 110241 6	0.250 Bund 17	15.02.2027	7 / 6	26.00	106.500	-0.59	106.612
DE000 113504 4	6.500 Bund 97	04.07.2027	7 / 11	11.25	157.420	-0.56	157.864
DE000 110242 4	0.500 Bund 17	15.08.2027	8 / 0	25.00	108.700	-0.55	109.177
DE000 113506 9	5.625 Bund 98	04.01.2028	8 / 5	14.50	153.450	-0.55	156.625
DE000 110244 0	0.500 Bund 18	15.02.2028	8 / 6	21.00	108.920	-0.52	109.145
DE000 113508 5	4.750 Bund 98 II	04.07.2028	8 / 11	11.25	148.310	-0.52	148.634
DE000 110245 7	0.250 Bund 18	15.08.2028	9 / 0	21.00	106.730	-0.48	106.991
DE000 110246 5	0.250 Bund 19	15.02.2029	9 / 6	22.00	106.680	-0.43	106.816
DE000 110247 3	0.000 Bund 19	15.08.2029	10 / 0	4.00	104.030	-0.39	104.030
DE000 113514 3	6.250 Bund 00	04.01.2030	10 / 5	9.25	171.580	-0.44	175.107
DE000 103055 9	0.500 Bund 14 index.	15.04.2030	10 / 8	14.05	122.040	-1.39	129.345
DE000 113517 6	5.500 Bund 00	04.01.2031	11 / 5	17.00	168.930	-0.38	172.034
DE000 113522 6	4.750 Bund 03	04.07.2034	14 / 11	20.00	175.290	-0.21	175.614
DE000 113527 5	4.000 Bund 05	04.01.2037	17 / 5	23.00	172.240	-0.10	174.498
DE000 113532 5	4.250 Bund 07	04.07.2039	19 / 11	14.00	185.540	-0.03	185.830
DE000 113536 6	4.750 Bund 08	04.07.2040	20 / 11	16.00	199.900	-0.01	200.224
DE000 113543 2	3.250 Bund 10	04.07.2042	22 / 11	15.00	172.970	0.05	173.192
DE000 113548 1	2.500 Bund 12	04.07.2044	24 / 11	27.50	158.540	0.12	158.711
DE000 103057 5	0.100 Bund 15 index. II	15.04.2046	26 / 8	8.45	138.060	-1.12	146.890
DE000 110234 1	2.500 Bund 14	15.08.2046	27 / 0	28.00	162.080	0.15	164.464
DE000 110243 2	1.250 Bund 17	15.08.2048	29 / 0	16.50	129.920	0.19	131.112

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4) Only for inflation-linked bonds: yield in real terms reported without adjustment for inflation;

the actual total amount is calculated from the product of the price including interest accrued and an index ratio.

Prices and yields of listed Federal securities as of 26.07.19

ISIN 1)	Issue 2) 4)	Maturity date	Residual life y/m	Issue volume € billion	Price 3) as of 26.07.19	Yield	"Dirty price"
DE000 110469 3	0.000 BSA 17 III	13.09.2019	0 / 1	13.00	100.066	-0.52	100.066
DE000 114170 3	0.250 BO S 170	11.10.2019	0 / 2	16.00	100.169	-0.58	100.368
DE000 110470 1	0.000 BSA 17 IV	13.12.2019	0 / 4	13.00	100.233	-0.62	100.233
DE000 113539 0	3.250 Bund 09	04.01.2020	0 / 5	22.00	101.761	-0.77	103.595
DE000 110471 9	0.000 BSA 18	13.03.2020	0 / 7	13.00	100.425	-0.68	100.425
DE000 103052 6	1.750 Bund 09 index.	15.04.2020	0 / 8	16.00	100.850	0.55	116.325
DE000 114171 1	0.000 BO S 171	17.04.2020	0 / 8	20.00	100.486	-0.67	100.486
DE000 110472 7	0.000 BSA 18 II	12.06.2020	0 / 10	12.00	100.610	-0.70	100.610
DE000 113540 8	3.000 Bund 10	04.07.2020	0 / 11	22.00	103.475	-0.70	103.680
DE000 113541 6	2.250 Bund 10	04.09.2020	1 / 1	16.00	103.302	-0.72	105.324
DE000 110473 5	0.000 BSA 18 III	11.09.2020	1 / 1	12.00	100.811	-0.72	100.811
DE000 114172 9	0.250 BO S 172	16.10.2020	1 / 2	19.00	101.186	-0.72	101.382
DE000 110474 3	0.000 BSA 18 IV	11.12.2020	1 / 4	12.00	101.021	-0.74	101.021
DE000 113542 4	2.500 Bund 10	04.01.2021	1 / 5	19.00	104.783	-0.80	106.194
DE000 110475 0	0.000 BSA 19	12.03.2021	1 / 7	13.00	101.227	-0.75	101.227
DE000 114173 7	0.000 BO S 173	09.04.2021	1 / 8	21.00	101.315	-0.77	101.315
DE000 110476 8	0.000 BSA 19	11.06.2021	1 / 10	10.00	101.443	-0.76	101.443
DE000 113545 7	2.250 Bund 11	04.09.2021	2 / 1	16.00	106.430	-0.77	108.452
DE000 114174 5	0.000 BO S 174	08.10.2021	2 / 2	19.00	101.740	-0.78	101.740
DE000 113546 5	2.000 Bund 11	04.01.2022	2 / 5	20.00	106.870	-0.78	107.999
DE000 114175 2	0.000 BO S 175	08.04.2022	2 / 8	18.00	102.170	-0.79	102.170
DE000 113547 3	1.750 Bund 12	04.07.2022	2 / 11	24.00	107.540	-0.78	107.660
DE000 113549 9	1.500 Bund 12	04.09.2022	3 / 1	18.00	107.210	-0.79	108.558
DE000 114176 0	0.000 BO S 176	07.10.2022	3 / 2	17.00	102.550	-0.79	102.550
DE000 110230 9	1.500 Bund 13	15.02.2023	3 / 6	18.00	108.210	-0.77	108.884
DE000 114177 8	0.000 BO S 177	14.04.2023	3 / 8	16.00	102.920	-0.77	102.920
DE000 103054 2	0.100 Bund 12 index.	15.04.2023	3 / 8	16.50	105.760	-1.40	114.757
DE000 110231 7	1.500 Bund 13 II	15.05.2023	3 / 9	18.00	108.740	-0.76	109.047
DE000 110232 5	2.000 Bund 13	15.08.2023	4 / 0	18.00	111.350	-0.75	113.257
DE000 114178 6	0.000 BO S 178	13.10.2023	4 / 2	16.00	103.200	-0.75	103.200
DE000 113492 2	6.250 Bund 94	04.01.2024	4 / 5	10.25	131.540	-0.72	135.067
DE000 110233 3	1.750 Bund 14	15.02.2024	4 / 6	18.00	111.500	-0.73	112.286
DE000 114179 4	0.000 BO S 179	05.04.2024	4 / 8	21.00	103.400	-0.71	103.400
DE000 110235 8	1.500 Bund 14	15.05.2024	4 / 9	18.00	110.860	-0.72	111.167
DE000 110236 6	1.000 Bund 14	15.08.2024	5 / 0	18.00	108.790	-0.70	109.743
DE000 114180 2	0.000 BO S 180	18.10.2024	5 / 2	4.00	103.580	-0.67	103.580
DE000 110237 4	0.500 Bund 15	15.02.2025	5 / 6	23.00	106.690	-0.68	106.915
DE000 110238 2	1.000 Bund 15	15.08.2025	6 / 0	23.00	110.250	-0.66	111.203
DE000 110239 0	0.500 Bund 16	15.02.2026	6 / 6	26.00	107.590	-0.63	107.815
DE000 103056 7	0.100 Bund 15 index.	15.04.2026	6 / 8	16.20	111.240	-1.48	117.479
DE000 110240 8	0.000 Bund 16	15.08.2026	7 / 0	25.00	104.343	-0.60	104.343
DE000 110241 6	0.250 Bund 17	15.02.2027	7 / 6	26.00	106.315	-0.57	106.427
DE000 113504 4	6.500 Bund 97	04.07.2027	7 / 11	11.25	157.140	-0.53	157.584
DE000 110242 4	0.500 Bund 17	15.08.2027	8 / 0	25.00	108.492	-0.53	108.969
DE000 113506 9	5.625 Bund 98	04.01.2028	8 / 5	14.50	153.160	-0.52	156.335
DE000 110244 0	0.500 Bund 18	15.02.2028	8 / 6	21.00	108.701	-0.49	108.926
DE000 113508 5	4.750 Bund 98 II	04.07.2028	8 / 11	11.25	148.020	-0.49	148.344
DE000 110245 7	0.250 Bund 18	15.08.2028	9 / 0	21.00	106.490	-0.45	106.751
DE000 110246 5	0.250 Bund 19	15.02.2029	9 / 6	22.00	106.440	-0.41	106.576
DE000 110247 3	0.000 Bund 19	15.08.2029	10 / 0	4.00	103.780	-0.37	103.780
DE000 113514 3	6.250 Bund 00	04.01.2030	10 / 5	9.25	171.210	-0.41	174.737
DE000 103055 9	0.500 Bund 14 index.	15.04.2030	10 / 8	14.05	122.020	-1.39	129.323
DE000 113517 6	5.500 Bund 00	04.01.2031	11 / 5	17.00	168.510	-0.36	171.614
DE000 113522 6	4.750 Bund 03	04.07.2034	14 / 11	20.00	174.650	-0.18	174.974
DE000 113527 5	4.000 Bund 05	04.01.2037	17 / 5	23.00	171.510	-0.07	173.768
DE000 113532 5	4.250 Bund 07	04.07.2039	19 / 11	14.00	184.620	0.00	184.910
DE000 113536 6	4.750 Bund 08	04.07.2040	20 / 11	16.00	198.900	0.02	199.224
DE000 113543 2	3.250 Bund 10	04.07.2042	22 / 11	15.00	171.900	0.08	172.122
DE000 113548 1	2.500 Bund 12	04.07.2044	24 / 11	27.50	157.450	0.15	157.621
DE000 103057 5	0.100 Bund 15 index. II	15.04.2046	26 / 8	8.45	137.000	-1.09	145.763
DE000 110234 1	2.500 Bund 14	15.08.2046	27 / 0	28.00	160.870	0.19	163.254
DE000 110243 2	1.250 Bund 17	15.08.2048	29 / 0	16.50	128.770	0.23	129.962

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- 4) Only for inflation-linked bonds: yield in real terms reported without adjustment for inflation;
the actual total amount is calculated from the product of the price including interest accrued and an index ratio.

Prices and yields of listed Federal securities as of 29.07.19

ISIN 1)	Issue 2) 4)	Maturity date	Residual life y/m	Issue volume € billion	Price 3) as of 29.07.19	Yield	"Dirty price"
DE000 110469 3	0.000 BSA 17 III	13.09.2019	0 / 1	13.00	100.064	-0.53	100.064
DE000 114170 3	0.250 BO S 170	11.10.2019	0 / 2	16.00	100.164	-0.58	100.365
DE000 110470 1	0.000 BSA 17 IV	13.12.2019	0 / 4	13.00	100.231	-0.62	100.231
DE000 113539 0	3.250 Bund 09	04.01.2020	0 / 5	22.00	101.752	-0.79	103.604
DE000 110471 9	0.000 BSA 18	13.03.2020	0 / 7	13.00	100.426	-0.69	100.426
DE000 103052 6	1.750 Bund 09 index.	15.04.2020	0 / 8	16.00	100.860	0.53	116.356
DE000 114171 1	0.000 BO S 171	17.04.2020	0 / 8	20.00	100.488	-0.68	100.488
DE000 110472 7	0.000 BSA 18 II	12.06.2020	0 / 10	12.00	100.604	-0.69	100.604
DE000 113540 8	3.000 Bund 10	04.07.2020	0 / 11	22.00	103.464	-0.71	103.685
DE000 113541 6	2.250 Bund 10	04.09.2020	1 / 1	16.00	103.298	-0.74	105.332
DE000 110473 5	0.000 BSA 18 III	11.09.2020	1 / 1	12.00	100.812	-0.72	100.812
DE000 114172 9	0.250 BO S 172	16.10.2020	1 / 2	19.00	101.187	-0.72	101.384
DE000 110474 3	0.000 BSA 18 IV	11.12.2020	1 / 4	12.00	101.027	-0.75	101.027
DE000 113542 4	2.500 Bund 10	04.01.2021	1 / 5	19.00	104.780	-0.81	106.205
DE000 110475 0	0.000 BSA 19	12.03.2021	1 / 7	13.00	101.242	-0.76	101.242
DE000 114173 7	0.000 BO S 173	09.04.2021	1 / 8	21.00	101.318	-0.77	101.318
DE000 110476 8	0.000 BSA 19	11.06.2021	1 / 10	10.00	101.445	-0.77	101.445
DE000 113545 7	2.250 Bund 11	04.09.2021	2 / 1	16.00	106.425	-0.78	108.459
DE000 114174 5	0.000 BO S 174	08.10.2021	2 / 2	19.00	101.745	-0.79	101.745
DE000 113546 5	2.000 Bund 11	04.01.2022	2 / 5	20.00	106.880	-0.79	108.020
DE000 114175 2	0.000 BO S 175	08.04.2022	2 / 8	18.00	102.180	-0.80	102.180
DE000 113547 3	1.750 Bund 12	04.07.2022	2 / 11	24.00	107.550	-0.79	107.679
DE000 113549 9	1.500 Bund 12	04.09.2022	3 / 1	18.00	107.220	-0.79	108.576
DE000 114176 0	0.000 BO S 176	07.10.2022	3 / 2	17.00	102.570	-0.79	102.570
DE000 110230 9	1.500 Bund 13	15.02.2023	3 / 6	18.00	108.230	-0.78	108.912
DE000 114177 8	0.000 BO S 177	14.04.2023	3 / 8	16.00	102.950	-0.78	102.950
DE000 103054 2	0.100 Bund 12 index.	15.04.2023	3 / 8	16.50	105.820	-1.42	114.833
DE000 110231 7	1.500 Bund 13 II	15.05.2023	3 / 9	18.00	108.770	-0.77	109.086
DE000 110232 5	2.000 Bund 13	15.08.2023	4 / 0	18.00	111.380	-0.76	113.298
DE000 114178 6	0.000 BO S 178	13.10.2023	4 / 2	16.00	103.240	-0.76	103.240
DE000 113492 2	6.250 Bund 94	04.01.2024	4 / 5	10.25	131.580	-0.74	135.142
DE000 110233 3	1.750 Bund 14	15.02.2024	4 / 6	18.00	111.550	-0.74	112.346
DE000 114179 4	0.000 BO S 179	05.04.2024	4 / 8	21.00	103.450	-0.72	103.450
DE000 110235 8	1.500 Bund 14	15.05.2024	4 / 9	18.00	110.910	-0.73	111.226
DE000 110236 6	1.000 Bund 14	15.08.2024	5 / 0	18.00	108.850	-0.72	109.809
DE000 114180 2	0.000 BO S 180	18.10.2024	5 / 2	4.00	103.640	-0.68	103.640
DE000 110237 4	0.500 Bund 15	15.02.2025	5 / 6	23.00	106.790	-0.70	107.017
DE000 110238 2	1.000 Bund 15	15.08.2025	6 / 0	23.00	110.360	-0.67	111.319
DE000 110239 0	0.500 Bund 16	15.02.2026	6 / 6	26.00	107.720	-0.65	107.947
DE000 103056 7	0.100 Bund 15 index.	15.04.2026	6 / 8	16.20	111.450	-1.51	117.710
DE000 110240 8	0.000 Bund 16	15.08.2026	7 / 0	25.00	104.490	-0.62	104.490
DE000 110241 6	0.250 Bund 17	15.02.2027	7 / 6	26.00	106.490	-0.59	106.604
DE000 113504 4	6.500 Bund 97	04.07.2027	7 / 11	11.25	157.380	-0.56	157.860
DE000 110242 4	0.500 Bund 17	15.08.2027	8 / 0	25.00	108.700	-0.55	109.179
DE000 113506 9	5.625 Bund 98	04.01.2028	8 / 5	14.50	153.420	-0.55	156.625
DE000 110244 0	0.500 Bund 18	15.02.2028	8 / 6	21.00	108.920	-0.52	109.147
DE000 113508 5	4.750 Bund 98 II	04.07.2028	8 / 11	11.25	148.300	-0.52	148.650
DE000 110245 7	0.250 Bund 18	15.08.2028	9 / 0	21.00	106.740	-0.48	107.002
DE000 110246 5	0.250 Bund 19	15.02.2029	9 / 6	22.00	106.700	-0.44	106.838
DE000 110247 3	0.000 Bund 19	15.08.2029	10 / 0	4.00	104.050	-0.39	104.050
DE000 113514 3	6.250 Bund 00	04.01.2030	10 / 5	9.25	171.580	-0.44	175.142
DE000 103055 9	0.500 Bund 14 index.	15.04.2030	10 / 8	14.05	122.400	-1.42	129.738
DE000 113517 6	5.500 Bund 00	04.01.2031	11 / 5	17.00	168.920	-0.39	172.054
DE000 113522 6	4.750 Bund 03	04.07.2034	14 / 11	20.00	175.370	-0.21	175.720
DE000 113527 5	4.000 Bund 05	04.01.2037	17 / 5	23.00	172.410	-0.11	174.689
DE000 113532 5	4.250 Bund 07	04.07.2039	19 / 11	14.00	185.820	-0.04	186.134
DE000 113536 6	4.750 Bund 08	04.07.2040	20 / 11	16.00	200.200	-0.03	200.550
DE000 113543 2	3.250 Bund 10	04.07.2042	22 / 11	15.00	173.190	0.04	173.430
DE000 113548 1	2.500 Bund 12	04.07.2044	24 / 11	27.50	158.800	0.11	158.984
DE000 103057 5	0.100 Bund 15 index. II	15.04.2046	26 / 8	8.45	139.500	-1.15	148.435
DE000 110234 1	2.500 Bund 14	15.08.2046	27 / 0	28.00	162.360	0.15	164.757
DE000 110243 2	1.250 Bund 17	15.08.2048	29 / 0	16.50	130.180	0.18	131.379

1) The six-digit part of the ISIN in bold print is the same as the current German security identification number

2) BSA: Federal Treasury note (Schatz), BO: Five-year Federal note (Bobl), Bund: Federal bond (Bund)

3) Bundesbank reference price on the Frankfurt Stock Exchange

4) Only for inflation-linked bonds: yield in real terms reported without adjustment for inflation;

the actual total amount is calculated from the product of the price including interest accrued and an index ratio.

Kurse / Renditen börsennotierter Bundeswertpapiere vom 30.07.19

ISIN 1)	Bezeichnung 2) 4)	Fälligkeit	Rest- laufzeit J / M	Emiss.- volumen Mrd EUR	Kurs 3) vom 30.07.2019	Rendite in %	Kurs plus Stückzinsen 5)
DE000 110469 3	0,000 BSA 17 III	13.09.2019	0 / 1	13,00	100,064	#N/A N/A	#N/A N/A
DE000 114170 3	0,250 BO S 170	11.10.2019	0 / 2	16,00	100,164	#N/A N/A	#N/A N/A
DE000 110470 1	0,000 BSA 17 IV	13.12.2019	0 / 4	13,00	100,231	#N/A N/A	#N/A N/A
DE000 113539 0	3,250 Bund 09	04.01.2020	0 / 5	22,00	101,742	#N/A N/A	#N/A N/A
DE000 110471 9	0,000 BSA 18	13.03.2020	0 / 7	13,00	100,424	#N/A N/A	#N/A N/A
DE000 103052 6	1,750 Bund 09 index.	15.04.2020	0 / 8	16,00	100,870	#N/A N/A	#N/A N/A
DE000 114171 1	0,000 BO S 171	17.04.2020	0 / 8	20,00	100,485	#N/A N/A	#N/A N/A
DE000 110472 7	0,000 BSA 18 II	12.06.2020	0 / 10	12,00	100,605	#N/A N/A	#N/A N/A
DE000 113540 8	3,000 Bund 10	04.07.2020	0 / 11	22,00	103,450	#N/A N/A	#N/A N/A
DE000 113541 6	2,250 Bund 10	04.09.2020	1 / 1	16,00	103,289	#N/A N/A	#N/A N/A
DE000 110473 5	0,000 BSA 18 III	11.09.2020	1 / 1	12,00	100,805	#N/A N/A	#N/A N/A
DE000 114172 9	0,250 BO S 172	16.10.2020	1 / 2	19,00	101,178	#N/A N/A	#N/A N/A
DE000 110474 3	0,000 BSA 18 IV	11.12.2020	1 / 4	12,00	101,018	#N/A N/A	#N/A N/A
DE000 113542 4	2,500 Bund 10	04.01.2021	1 / 5	19,00	104,765	#N/A N/A	#N/A N/A
DE000 110475 0	0,000 BSA 19	12.03.2021	1 / 7	13,00	101,235	#N/A N/A	#N/A N/A
DE000 114173 7	0,000 BO S 173	09.04.2021	1 / 8	21,00	101,315	#N/A N/A	#N/A N/A
DE000 110476 8	0,000 BSA 19	11.06.2021	1 / 10	14,00	101,440	#N/A N/A	#N/A N/A
DE000 113544 0	3,250 Bund 11	04.07.2021	1 / 11	19,00	107,810	#N/A N/A	#N/A N/A
DE000 113545 7	2,250 Bund 11	04.09.2021	2 / 1	16,00	106,420	#N/A N/A	#N/A N/A
DE000 114174 5	0,000 BO S 174	08.10.2021	2 / 2	19,00	101,740	#N/A N/A	#N/A N/A
DE000 113546 5	2,000 Bund 11	04.01.2022	2 / 5	20,00	106,870	#N/A N/A	#N/A N/A
DE000 114175 2	0,000 BO S 175	08.04.2022	2 / 8	18,00	102,160	#N/A N/A	#N/A N/A
DE000 113547 3	1,750 Bund 12	04.07.2022	2 / 11	24,00	107,530	#N/A N/A	#N/A N/A
DE000 113549 9	1,500 Bund 12	04.09.2022	3 / 1	18,00	107,210	#N/A N/A	#N/A N/A
DE000 114176 0	0,000 BO S 176	07.10.2022	3 / 2	17,00	102,560	#N/A N/A	#N/A N/A
DE000 110230 9	1,500 Bund 13	15.02.2023	3 / 6	18,00	108,220	#N/A N/A	#N/A N/A
DE000 114177 8	0,000 BO S 177	14.04.2023	3 / 8	16,00	102,940	#N/A N/A	#N/A N/A
DE000 103054 2	0,100 Bund 12 index.	15.04.2023	3 / 8	16,50	105,740	#N/A N/A	#N/A N/A
DE000 110231 7	1,500 Bund 13 II	15.05.2023	3 / 9	18,00	108,760	#N/A N/A	#N/A N/A
DE000 110232 5	2,000 Bund 13	15.08.2023	4 / 0	18,00	111,370	#N/A N/A	#N/A N/A
DE000 114178 6	0,000 BO S 178	13.10.2023	4 / 2	16,00	103,239	#N/A N/A	#N/A N/A
DE000 113492 2	6,250 Bund 94	04.01.2024	4 / 5	10,25	131,550	#N/A N/A	#N/A N/A
DE000 110233 3	1,750 Bund 14	15.02.2024	4 / 6	18,00	111,530	#N/A N/A	#N/A N/A
DE000 114179 4	0,000 BO S 179	05.04.2024	4 / 8	21,00	103,430	#N/A N/A	#N/A N/A
DE000 110235 8	1,500 Bund 14	15.05.2024	4 / 9	18,00	110,890	#N/A N/A	#N/A N/A
DE000 110236 6	1,000 Bund 14	15.08.2024	5 / 0	18,00	108,830	#N/A N/A	#N/A N/A
DE000 114180 2	0,000 BO S 180	18.10.2024	5 / 2	4,00	103,630	#N/A N/A	#N/A N/A
DE000 110237 4	0,500 Bund 15	15.02.2025	5 / 6	23,00	106,760	#N/A N/A	#N/A N/A
DE000 110238 2	1,000 Bund 15	15.08.2025	6 / 0	23,00	110,340	#N/A N/A	#N/A N/A
DE000 110239 0	0,500 Bund 16	15.02.2026	6 / 6	26,00	107,710	#N/A N/A	#N/A N/A
DE000 103056 7	0,100 Bund 15 index.	15.04.2026	6 / 8	16,20	111,300	#N/A N/A	#N/A N/A
DE000 110240 8	0,000 Bund 16	15.08.2026	7 / 0	25,00	104,490	#N/A N/A	#N/A N/A
DE000 110241 6	0,250 Bund 17	15.02.2027	7 / 6	26,00	106,500	#N/A N/A	#N/A N/A
DE000 113504 4	6,500 Bund 97	04.07.2027	7 / 11	11,25	157,360	#N/A N/A	#N/A N/A
DE000 110242 4	0,500 Bund 17	15.08.2027	8 / 0	25,00	108,700	#N/A N/A	#N/A N/A
DE000 113506 9	5,625 Bund 98	04.01.2028	8 / 5	14,50	153,420	#N/A N/A	#N/A N/A
DE000 110244 0	0,500 Bund 18	15.02.2028	8 / 6	21,00	108,930	#N/A N/A	#N/A N/A
DE000 113508 5	4,750 Bund 98 II	04.07.2028	8 / 11	11,25	148,310	#N/A N/A	#N/A N/A
DE000 110245 7	0,250 Bund 18	15.08.2028	9 / 0	21,00	106,750	#N/A N/A	#N/A N/A
DE000 110246 5	0,250 Bund 19	15.02.2029	9 / 6	22,00	106,720	#N/A N/A	#N/A N/A
DE000 110247 3	0,000 Bund 19	15.08.2029	10 / 0	4,00	104,070	#N/A N/A	#N/A N/A
DE000 113514 3	6,250 Bund 00	04.01.2030	10 / 5	9,25	171,600	#N/A N/A	#N/A N/A
DE000 103055 9	0,500 Bund 14 index.	15.04.2030	10 / 8	14,05	122,150	#N/A N/A	#N/A N/A
DE000 113517 6	5,500 Bund 00	04.01.2031	11 / 5	17,00	168,950	#N/A N/A	#N/A N/A
DE000 113522 6	4,750 Bund 03	04.07.2034	14 / 11	20,00	175,410	#N/A N/A	#N/A N/A
DE000 113527 5	4,000 Bund 05	04.01.2037	17 / 5	23,00	172,470	#N/A N/A	#N/A N/A
DE000 113532 5	4,250 Bund 07	04.07.2039	19 / 11	14,00	185,900	#N/A N/A	#N/A N/A
DE000 113536 6	4,750 Bund 08	04.07.2040	20 / 11	16,00	200,280	#N/A N/A	#N/A N/A
DE000 113543 2	3,250 Bund 10	04.07.2042	22 / 11	15,00	173,310	#N/A N/A	#N/A N/A
DE000 113548 1	2,500 Bund 12	04.07.2044	24 / 11	27,50	158,900	#N/A N/A	#N/A N/A
DE000 103057 5	0,100 Bund 15 index. II	15.04.2046	26 / 8	8,45	138,600	#N/A N/A	#N/A N/A
DE000 110234 1	2,500 Bund 14	15.08.2046	27 / 0	28,00	162,440	#N/A N/A	#N/A N/A
DE000 110243 2	1,250 Bund 17	15.08.2048	29 / 0	16,50	130,230	#N/A N/A	#N/A N/A

1) Der hier fettgedruckte sechsstellige Teil der ISIN entspricht der bisherigen Wertpapier-Kenn-Nr.

2) BSA = Bundesschatzanweisung, BO = Bundesobligation (Bobl), Bund = Bundesanleihe

3) Bundesbank-Referenzpreis an der Frankfurter Wertpapierbörse

4) Bei inflationsindexierten Bundeswertpapieren: Ausweis der realen Rendite ohne Berücksichtigung der Inflationsanpassung.

5) Bei inflationsindexierten Bundeswertpapieren: Kurs (unter Berücksichtigung der Index-Verhältniszahl) plus Stückzinsen.

Prices and yields of listed Federal securities as of 31.07.19

ISIN 1)	Issue 2) 4)	Maturity date	Residual life y/m	Issue volume € billion	Price 3) as of 31.07.19	Yield	"Dirty price"
DE000 110469 3	0.000 BSA 17 III	13.09.2019	0 / 1	13.00	100.063	-0.55	100.063
DE000 114170 3	0.250 BO S 170	11.10.2019	0 / 2	16.00	100.163	-0.60	100.365
DE000 110470 1	0.000 BSA 17 IV	13.12.2019	0 / 4	13.00	100.232	-0.64	100.232
DE000 113539 0	3.250 Bund 09	04.01.2020	0 / 5	22.00	101.732	-0.80	103.602
DE000 110471 9	0.000 BSA 18	13.03.2020	0 / 7	13.00	100.425	-0.69	100.425
DE000 103052 6	1.750 Bund 09 index.	15.04.2020	0 / 8	16.00	100.840	0.55	116.355
DE000 114171 1	0.000 BO S 171	17.04.2020	0 / 8	20.00	100.489	-0.69	100.489
DE000 110472 7	0.000 BSA 18 II	12.06.2020	0 / 10	12.00	100.610	-0.70	100.610
DE000 113540 8	3.000 Bund 10	04.07.2020	0 / 11	22.00	103.443	-0.71	103.681
DE000 113541 6	2.250 Bund 10	04.09.2020	1 / 1	16.00	103.280	-0.73	105.327
DE000 110473 5	0.000 BSA 18 III	11.09.2020	1 / 1	12.00	100.808	-0.72	100.808
DE000 114172 9	0.250 BO S 172	16.10.2020	1 / 2	19.00	101.182	-0.72	101.381
DE000 110474 3	0.000 BSA 18 IV	11.12.2020	1 / 4	12.00	101.020	-0.74	101.020
DE000 113542 4	2.500 Bund 10	04.01.2021	1 / 5	19.00	104.762	-0.81	106.200
DE000 110475 0	0.000 BSA 19	12.03.2021	1 / 7	13.00	101.240	-0.76	101.240
DE000 114173 7	0.000 BO S 173	09.04.2021	1 / 8	21.00	101.320	-0.77	101.320
DE000 110476 8	0.000 BSA 19	11.06.2021	1 / 10	14.00	101.443	-0.77	101.443
DE000 113545 7	2.250 Bund 11	04.09.2021	2 / 1	16.00	106.410	-0.78	108.457
DE000 114174 5	0.000 BO S 174	08.10.2021	2 / 2	19.00	101.750	-0.79	101.750
DE000 113546 5	2.000 Bund 11	04.01.2022	2 / 5	20.00	106.870	-0.79	108.021
DE000 114175 2	0.000 BO S 175	08.04.2022	2 / 8	18.00	102.170	-0.80	102.170
DE000 113547 3	1.750 Bund 12	04.07.2022	2 / 11	24.00	107.540	-0.79	107.679
DE000 113549 9	1.500 Bund 12	04.09.2022	3 / 1	18.00	107.220	-0.80	108.584
DE000 114176 0	0.000 BO S 176	07.10.2022	3 / 2	17.00	102.580	-0.80	102.580
DE000 110230 9	1.500 Bund 13	15.02.2023	3 / 6	18.00	108.240	-0.79	108.930
DE000 114177 8	0.000 BO S 177	14.04.2023	3 / 8	16.00	102.970	-0.79	102.970
DE000 103054 2	0.100 Bund 12 index.	15.04.2023	3 / 8	16.50	105.720	-1.39	114.735
DE000 110231 7	1.500 Bund 13 II	15.05.2023	3 / 9	18.00	108.780	-0.78	109.104
DE000 110232 5	2.000 Bund 13	15.08.2023	4 / 0	18.00	111.390	-0.77	113.319
DE000 114178 6	0.000 BO S 178	13.10.2023	4 / 2	16.00	103.280	-0.77	103.280
DE000 113492 2	6.250 Bund 94	04.01.2024	4 / 5	10.25	131.580	-0.74	135.176
DE000 110233 3	1.750 Bund 14	15.02.2024	4 / 6	18.00	111.560	-0.74	112.365
DE000 114179 4	0.000 BO S 179	05.04.2024	4 / 8	21.00	103.480	-0.73	103.480
DE000 110235 8	1.500 Bund 14	15.05.2024	4 / 9	18.00	110.930	-0.74	111.254
DE000 110236 6	1.000 Bund 14	15.08.2024	5 / 0	18.00	108.880	-0.73	109.844
DE000 114180 2	0.000 BO S 180	18.10.2024	5 / 2	4.00	103.680	-0.69	103.680
DE000 110237 4	0.500 Bund 15	15.02.2025	5 / 6	23.00	106.810	-0.70	107.040
DE000 110238 2	1.000 Bund 15	15.08.2025	6 / 0	23.00	110.390	-0.68	111.354
DE000 110239 0	0.500 Bund 16	15.02.2026	6 / 6	26.00	107.760	-0.66	107.990
DE000 103056 7	0.100 Bund 15 index.	15.04.2026	6 / 8	16.20	111.250	-1.48	117.510
DE000 110240 8	0.000 Bund 16	15.08.2026	7 / 0	25.00	104.560	-0.63	104.560
DE000 110241 6	0.250 Bund 17	15.02.2027	7 / 6	26.00	106.570	-0.60	106.685
DE000 113504 4	6.500 Bund 97	04.07.2027	7 / 11	11.25	157.430	-0.57	157.945
DE000 110242 4	0.500 Bund 17	15.08.2027	8 / 0	25.00	108.780	-0.56	109.262
DE000 113506 9	5.625 Bund 98	04.01.2028	8 / 5	14.50	153.500	-0.56	156.736
DE000 110244 0	0.500 Bund 18	15.02.2028	8 / 6	21.00	109.010	-0.53	109.240
DE000 113508 5	4.750 Bund 98 II	04.07.2028	8 / 11	11.25	148.420	-0.53	148.796
DE000 110245 7	0.250 Bund 18	15.08.2028	9 / 0	21.00	106.840	-0.49	107.104
DE000 110246 5	0.250 Bund 19	15.02.2029	9 / 6	22.00	106.830	-0.45	106.969
DE000 110247 3	0.000 Bund 19	15.08.2029	10 / 0	7.00	104.190	-0.41	104.190
DE000 113514 3	6.250 Bund 00	04.01.2030	10 / 5	9.25	171.730	-0.45	175.326
DE000 103055 9	0.500 Bund 14 index.	15.04.2030	10 / 8	14.05	121.990	-1.39	129.319
DE000 113517 6	5.500 Bund 00	04.01.2031	11 / 5	17.00	169.120	-0.40	172.284
DE000 113522 6	4.750 Bund 03	04.07.2034	14 / 11	20.00	175.670	-0.23	176.046
DE000 113527 5	4.000 Bund 05	04.01.2037	17 / 5	23.00	172.830	-0.13	175.131
DE000 113532 5	4.250 Bund 07	04.07.2039	19 / 11	14.00	186.430	-0.06	186.767
DE000 113536 6	4.750 Bund 08	04.07.2040	20 / 11	16.00	200.860	-0.05	201.236
DE000 113543 2	3.250 Bund 10	04.07.2042	22 / 11	15.00	173.860	0.02	174.118
DE000 113548 1	2.500 Bund 12	04.07.2044	24 / 11	27.50	159.480	0.09	159.678
DE000 103057 5	0.100 Bund 15 index. II	15.04.2046	26 / 8	8.45	138.550	-1.13	147.438
DE000 110234 1	2.500 Bund 14	15.08.2046	27 / 0	28.00	163.090	0.13	165.501
DE000 110243 2	1.250 Bund 17	15.08.2048	29 / 0	16.50	130.850	0.16	132.055

1) The six-digit part of the ISIN in bold print is the same as the current German security identification number

2) BSA: Federal Treasury note (Schatz), BO: Five-year Federal note (Bobl), Bund: Federal bond (Bund)

3) Bundesbank reference price on the Frankfurt Stock Exchange

4) Only for inflation-linked bonds: yield in real terms reported without adjustment for inflation;

the actual total amount is calculated from the product of the price including interest accrued and an index ratio.