



**Prices and yields  
of listed Federal securities**  
August 2017

**Prices and yields of listed Federal securities as of 01.08.17**

| ISIN 1)        | Issue 2) 5)             | Maturity date | Residual life y/m | Issue volume € billion | Price 3) as of 01.08.17 | Yield | Net yield 4) | "Dirty price" |
|----------------|-------------------------|---------------|-------------------|------------------------|-------------------------|-------|--------------|---------------|
| DE000 110461 0 | 0.000 BSA 15 III        | 15.09.2017    | 0 / 1             | 13.0                   | 100.078                 | -0.66 | -0.49        | 100.078       |
| DE000 114164 6 | 0.500 BO S 164          | 13.10.2017    | 0 / 2             | 16.0                   | 100.234                 | -0.70 | -0.51        | 100.637       |
| DE000 110462 8 | 0.000 BSA 15 IV         | 15.12.2017    | 0 / 4             | 13.0                   | 100.261                 | -0.71 | -0.52        | 100.261       |
| DE000 113534 1 | 4.000 Bund 07           | 04.01.2018    | 0 / 5             | 20.0                   | 102.000                 | -0.71 | -0.53        | 104.312       |
| DE000 114165 3 | 0.500 BO S 165          | 23.02.2018    | 0 / 6             | 17.0                   | 100.673                 | -0.70 | -0.51        | 100.894       |
| DE000 110463 6 | 0.000 BSA 16            | 16.03.2018    | 0 / 7             | 13.0                   | 100.440                 | -0.71 | -0.52        | 100.440       |
| DE000 114166 1 | 0.250 BO S 166          | 13.04.2018    | 0 / 8             | 17.0                   | 100.659                 | -0.70 | -0.51        | 100.736       |
| DE000 103053 4 | 0.750 BO 11 index.      | 15.04.2018    | 0 / 8             | 15.0                   | 100.520                 | 0.01  | -            | 108.830       |
| DE000 110464 4 | 0.000 BSA 16 II         | 15.06.2018    | 0 / 10            | 14.0                   | 100.605                 | -0.69 | -0.51        | 100.605       |
| DE000 113535 8 | 4.250 Bund 08           | 04.07.2018    | 0 / 11            | 21.0                   | 104.567                 | -0.69 | -0.51        | 104.916       |
| DE000 110465 1 | 0.000 BSA 16 III        | 14.09.2018    | 1 / 1             | 13.0                   | 100.797                 | -0.71 | -0.52        | 100.797       |
| DE000 114167 9 | 1.000 BO S 167          | 12.10.2018    | 1 / 2             | 17.0                   | 102.080                 | -0.73 | -0.54        | 102.888       |
| DE000 110466 9 | 0.000 BSA 16 IV         | 14.12.2018    | 1 / 4             | 13.0                   | 100.977                 | -0.71 | -0.52        | 100.977       |
| DE000 113537 4 | 3.750 Bund 08           | 04.01.2019    | 1 / 5             | 24.0                   | 106.417                 | -0.72 | -0.53        | 108.585       |
| DE000 114168 7 | 1.000 BO S 168          | 22.02.2019    | 1 / 6             | 16.0                   | 102.703                 | -0.72 | -0.53        | 103.147       |
| DE000 110467 7 | 0.000 BSA 17            | 15.03.2019    | 1 / 7             | 13.0                   | 101.143                 | -0.70 | -0.52        | 101.143       |
| DE000 114169 5 | 0.500 BO S 169          | 12.04.2019    | 1 / 8             | 16.0                   | 102.081                 | -0.72 | -0.53        | 102.236       |
| DE000 110468 5 | 0.000 BSA 17 II         | 14.06.2019    | 1 / 10            | 13.0                   | 101.294                 | -0.69 | -0.51        | 101.294       |
| DE000 113538 2 | 3.500 Bund 09           | 04.07.2019    | 1 / 11            | 24.0                   | 108.150                 | -0.71 | -0.52        | 108.438       |
| DE000 114170 3 | 0.250 BO S 170          | 11.10.2019    | 2 / 2             | 16.0                   | 102.050                 | -0.68 | -0.50        | 102.253       |
| DE000 113539 0 | 3.250 Bund 09           | 04.01.2020    | 2 / 5             | 22.0                   | 109.560                 | -0.65 | -0.48        | 111.439       |
| DE000 103052 6 | 1.750 Bund 09 index.    | 15.04.2020    | 2 / 8             | 16.0                   | 108.370                 | -1.28 | -            | 121.262       |
| DE000 114171 1 | 0.000 BO S 171          | 17.04.2020    | 2 / 8             | 20.0                   | 101.690                 | -0.62 | -0.45        | 101.690       |
| DE000 113540 8 | 3.000 Bund 10           | 04.07.2020    | 2 / 11            | 22.0                   | 110.610                 | -0.59 | -0.43        | 110.857       |
| DE000 113541 6 | 2.250 Bund 10           | 04.09.2020    | 3 / 1             | 16.0                   | 108.810                 | -0.57 | -0.42        | 110.863       |
| DE000 114172 9 | 0.250 BO S 172          | 16.10.2020    | 3 / 2             | 19.0                   | 102.580                 | -0.55 | -0.40        | 102.779       |
| DE000 113542 4 | 2.500 Bund 10           | 04.01.2021    | 3 / 5             | 19.0                   | 110.420                 | -0.51 | -0.37        | 111.865       |
| DE000 114173 7 | 0.000 BO S 173          | 09.04.2021    | 3 / 8             | 21.0                   | 101.710                 | -0.46 | -0.34        | 101.710       |
| DE000 113544 0 | 3.250 Bund 11           | 04.07.2021    | 3 / 11            | 19.0                   | 114.600                 | -0.44 | -0.32        | 114.867       |
| DE000 113545 7 | 2.250 Bund 11           | 04.09.2021    | 4 / 1             | 16.0                   | 110.980                 | -0.41 | -0.30        | 113.033       |
| DE000 114174 5 | 0.000 BO S 174          | 08.10.2021    | 4 / 2             | 19.0                   | 101.560                 | -0.37 | -0.27        | 101.560       |
| DE000 113546 5 | 2.000 Bund 11           | 04.01.2022    | 4 / 5             | 20.0                   | 110.460                 | -0.34 | -0.25        | 111.616       |
| DE000 114175 2 | 0.000 BO S 175          | 08.04.2022    | 4 / 8             | 18.0                   | 101.340                 | -0.28 | -0.21        | 101.340       |
| DE000 113547 3 | 1.750 Bund 12           | 04.07.2022    | 4 / 11            | 24.0                   | 109.980                 | -0.26 | -0.19        | 110.124       |
| DE000 113549 9 | 1.500 Bund 12           | 04.09.2022    | 5 / 1             | 18.0                   | 108.880                 | -0.23 | -0.17        | 110.248       |
| DE000 114176 0 | 0.000 BO S 176          | 07.10.2022    | 5 / 2             | 4.0                    | 101.000                 | -0.19 | -0.14        | 101.000       |
| DE000 110230 9 | 1.500 Bund 13           | 15.02.2023    | 5 / 6             | 18.0                   | 109.165                 | -0.15 | -0.11        | 109.860       |
| DE000 103054 2 | 0.100 Bund 12 index.    | 15.04.2023    | 5 / 8             | 16.0                   | 107.150                 | -1.11 | 0.00         | 112.804       |
| DE000 110231 7 | 1.500 Bund 13 II        | 15.05.2023    | 5 / 9             | 18.0                   | 109.370                 | -0.11 | -0.08        | 109.699       |
| DE000 110232 5 | 2.000 Bund 13           | 15.08.2023    | 6 / 0             | 18.0                   | 112.535                 | -0.07 | -0.05        | 114.469       |
| DE000 113492 2 | 6.250 Bund 94           | 04.01.2024    | 6 / 5             | 10.3                   | 140.280                 | -0.02 | -0.01        | 143.893       |
| DE000 110233 3 | 1.750 Bund 14           | 15.02.2024    | 6 / 6             | 18.0                   | 111.505                 | -0.01 | -0.01        | 112.315       |
| DE000 110235 8 | 1.500 Bund 14           | 15.05.2024    | 6 / 9             | 18.0                   | 109.940                 | 0.03  | 0.02         | 110.269       |
| DE000 110236 6 | 1.000 Bund 14           | 15.08.2024    | 7 / 0             | 18.0                   | 106.545                 | 0.07  | 0.05         | 107.512       |
| DE000 110237 4 | 0.500 Bund 15           | 15.02.2025    | 7 / 6             | 23.0                   | 102.600                 | 0.15  | 0.11         | 102.832       |
| DE000 110238 2 | 1.000 Bund 15           | 15.08.2025    | 8 / 0             | 23.0                   | 106.200                 | 0.22  | 0.16         | 107.167       |
| DE000 110239 0 | 0.500 Bund 16           | 15.02.2026    | 8 / 6             | 26.0                   | 101.630                 | 0.31  | 0.23         | 101.862       |
| DE000 103056 7 | 0.100 Bund 15 index.    | 15.04.2026    | 8 / 8             | 11.0                   | 108.670                 | -0.86 | -0.62        | 111.348       |
| DE000 110240 8 | 0.000 Bund 16           | 15.08.2026    | 9 / 0             | 25.0                   | 96.560                  | 0.39  | 0.29         | 96.560        |
| DE000 110241 6 | 0.250 Bund 17           | 15.02.2027    | 9 / 6             | 26.0                   | 98.025                  | 0.46  | 0.34         | 98.163        |
| DE000 113504 4 | 6.500 Bund 97           | 04.07.2027    | 9 / 11            | 11.3                   | 158.890                 | 0.42  | 0.30         | 159.424       |
| DE000 110242 4 | 0.500 Bund 17           | 15.08.2027    | 10 / 0            | 5.0                    | 99.740                  | 0.53  | 0.39         | 99.767        |
| DE000 113506 9 | 5.625 Bund 98           | 04.01.2028    | 10 / 5            | 14.5                   | 152.060                 | 0.49  | 0.34         | 155.312       |
| DE000 113508 5 | 4.750 Bund 98 II        | 04.07.2028    | 10 / 11           | 11.3                   | 144.480                 | 0.54  | 0.38         | 144.870       |
| DE000 113514 3 | 6.250 Bund 00           | 04.01.2030    | 12 / 5            | 9.3                    | 166.650                 | 0.65  | 0.45         | 170.263       |
| DE000 103055 9 | 0.500 Bund 14 index.    | 15.04.2030    | 12 / 8            | 9.0                    | 113.630                 | -0.53 | -            | 116.862       |
| DE000 113517 6 | 5.500 Bund 00           | 04.01.2031    | 13 / 5            | 17.0                   | 160.930                 | 0.72  | 0.50         | 164.109       |
| DE000 113522 6 | 4.750 Bund 03           | 04.07.2034    | 16 / 11           | 20.0                   | 160.390                 | 0.89  | 0.62         | 160.780       |
| DE000 113527 5 | 4.000 Bund 05           | 04.01.2037    | 19 / 5            | 23.0                   | 152.920                 | 0.99  | 0.70         | 155.232       |
| DE000 113532 5 | 4.250 Bund 07           | 04.07.2039    | 21 / 11           | 14.0                   | 161.970                 | 1.06  | 0.74         | 162.319       |
| DE000 113536 6 | 4.750 Bund 08           | 04.07.2040    | 22 / 11           | 16.0                   | 174.140                 | 1.08  | 0.75         | 174.530       |
| DE000 113543 2 | 3.250 Bund 10           | 04.07.2042    | 24 / 11           | 15.0                   | 144.750                 | 1.17  | 0.83         | 145.017       |
| DE000 113548 1 | 2.500 Bund 12           | 04.07.2044    | 26 / 11           | 22.0                   | 128.870                 | 1.23  | 0.88         | 129.075       |
| DE000 103057 5 | 0.100 Bund 15 index. II | 15.04.2046    | 28 / 8            | 6.0                    | 111.520                 | -0.28 | -            | 115.126       |
| DE000 110234 1 | 2.500 Bund 14           | 15.08.2046    | 29 / 0            | 23.0                   | 129.910                 | 1.26  | 0.90         | 132.328       |

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) Net yield after deduction of withholding tax and solidarity surcharge (26.375% in total); deductions for church tax are not included.

5) 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 02.08.17

| ISIN 1)        | Issue 2) 5)             | Maturity date | Residual life y/m | Issue volume € billion | Price 3) as of 02.08.17 | Yield | Net yield 4) | "Dirty price" |
|----------------|-------------------------|---------------|-------------------|------------------------|-------------------------|-------|--------------|---------------|
| DE000 110461 0 | 0.000 BSA 15 III        | 15.09.2017    | 0 / 1             | 13.0                   | 100.078                 | -0.68 | -0.50        | 100.078       |
| DE000 114164 6 | 0.500 BO S 164          | 13.10.2017    | 0 / 2             | 16.0                   | 100.230                 | -0.69 | -0.51        | 100.634       |
| DE000 110462 8 | 0.000 BSA 15 IV         | 15.12.2017    | 0 / 4             | 13.0                   | 100.255                 | -0.70 | -0.51        | 100.255       |
| DE000 113534 1 | 4.000 Bund 07           | 04.01.2018    | 0 / 5             | 20.0                   | 101.989                 | -0.71 | -0.53        | 104.312       |
| DE000 114165 3 | 0.500 BO S 165          | 23.02.2018    | 0 / 6             | 17.0                   | 100.670                 | -0.70 | -0.51        | 100.892       |
| DE000 110463 6 | 0.000 BSA 16            | 16.03.2018    | 0 / 7             | 13.0                   | 100.437                 | -0.71 | -0.52        | 100.437       |
| DE000 114166 1 | 0.250 BO S 166          | 13.04.2018    | 0 / 8             | 17.0                   | 100.656                 | -0.70 | -0.51        | 100.733       |
| DE000 103053 4 | 0.750 BO 11 index.      | 15.04.2018    | 0 / 8             | 15.0                   | 100.550                 | -0.04 | -            | 108.866       |
| DE000 110464 4 | 0.000 BSA 16 II         | 15.06.2018    | 0 / 10            | 14.0                   | 100.604                 | -0.70 | -0.51        | 100.604       |
| DE000 113535 8 | 4.250 Bund 08           | 04.07.2018    | 0 / 11            | 21.0                   | 104.564                 | -0.70 | -0.52        | 104.925       |
| DE000 110465 1 | 0.000 BSA 16 III        | 14.09.2018    | 1 / 1             | 13.0                   | 100.798                 | -0.71 | -0.52        | 100.798       |
| DE000 114167 9 | 1.000 BO S 167          | 12.10.2018    | 1 / 2             | 17.0                   | 102.076                 | -0.73 | -0.54        | 102.887       |
| DE000 110466 9 | 0.000 BSA 16 IV         | 14.12.2018    | 1 / 4             | 13.0                   | 100.988                 | -0.72 | -0.53        | 100.988       |
| DE000 113537 4 | 3.750 Bund 08           | 04.01.2019    | 1 / 5             | 24.0                   | 106.424                 | -0.73 | -0.54        | 108.602       |
| DE000 114168 7 | 1.000 BO S 168          | 22.02.2019    | 1 / 6             | 16.0                   | 102.724                 | -0.74 | -0.54        | 103.171       |
| DE000 110467 7 | 0.000 BSA 17            | 15.03.2019    | 1 / 7             | 13.0                   | 101.167                 | -0.72 | -0.53        | 101.167       |
| DE000 114169 5 | 0.500 BO S 169          | 12.04.2019    | 1 / 8             | 16.0                   | 102.105                 | -0.73 | -0.54        | 102.261       |
| DE000 110468 5 | 0.000 BSA 17 II         | 14.06.2019    | 1 / 10            | 13.0                   | 101.320                 | -0.70 | -0.52        | 101.320       |
| DE000 113538 2 | 3.500 Bund 09           | 04.07.2019    | 1 / 11            | 24.0                   | 108.163                 | -0.72 | -0.53        | 108.460       |
| DE000 114170 3 | 0.250 BO S 170          | 11.10.2019    | 2 / 2             | 16.0                   | 102.090                 | -0.70 | -0.51        | 102.293       |
| DE000 113539 0 | 3.250 Bund 09           | 04.01.2020    | 2 / 5             | 22.0                   | 109.620                 | -0.68 | -0.50        | 111.508       |
| DE000 103052 6 | 1.750 Bund 09 index.    | 15.04.2020    | 2 / 8             | 16.0                   | 108.400                 | -1.29 | -            | 121.301       |
| DE000 114171 1 | 0.000 BO S 171          | 17.04.2020    | 2 / 8             | 20.0                   | 101.760                 | -0.64 | -0.47        | 101.760       |
| DE000 113540 8 | 3.000 Bund 10           | 04.07.2020    | 2 / 11            | 22.0                   | 110.690                 | -0.62 | -0.45        | 110.945       |
| DE000 113541 6 | 2.250 Bund 10           | 04.09.2020    | 3 / 1             | 16.0                   | 108.880                 | -0.59 | -0.43        | 110.939       |
| DE000 114172 9 | 0.250 BO S 172          | 16.10.2020    | 3 / 2             | 19.0                   | 102.670                 | -0.57 | -0.42        | 102.870       |
| DE000 113542 4 | 2.500 Bund 10           | 04.01.2021    | 3 / 5             | 19.0                   | 110.500                 | -0.53 | -0.39        | 111.952       |
| DE000 114173 7 | 0.000 BO S 173          | 09.04.2021    | 3 / 8             | 21.0                   | 101.810                 | -0.49 | -0.36        | 101.810       |
| DE000 113544 0 | 3.250 Bund 11           | 04.07.2021    | 3 / 11            | 19.0                   | 114.700                 | -0.46 | -0.34        | 114.976       |
| DE000 113545 7 | 2.250 Bund 11           | 04.09.2021    | 4 / 1             | 16.0                   | 111.100                 | -0.44 | -0.32        | 113.159       |
| DE000 114174 5 | 0.000 BO S 174          | 08.10.2021    | 4 / 2             | 19.0                   | 101.680                 | -0.40 | -0.29        | 101.680       |
| DE000 113546 5 | 2.000 Bund 11           | 04.01.2022    | 4 / 5             | 20.0                   | 110.600                 | -0.37 | -0.27        | 111.762       |
| DE000 114175 2 | 0.000 BO S 175          | 08.04.2022    | 4 / 8             | 18.0                   | 101.490                 | -0.32 | -0.23        | 101.490       |
| DE000 113547 3 | 1.750 Bund 12           | 04.07.2022    | 4 / 11            | 24.0                   | 110.140                 | -0.30 | -0.22        | 110.289       |
| DE000 113549 9 | 1.500 Bund 12           | 04.09.2022    | 5 / 1             | 18.0                   | 109.040                 | -0.26 | -0.19        | 110.413       |
| DE000 114176 0 | 0.000 BO S 176          | 07.10.2022    | 5 / 2             | 4.0                    | 101.160                 | -0.22 | -0.16        | 101.160       |
| DE000 110230 9 | 1.500 Bund 13           | 15.02.2023    | 5 / 6             | 18.0                   | 109.370                 | -0.18 | -0.13        | 110.069       |
| DE000 103054 2 | 0.100 Bund 12 index.    | 15.04.2023    | 5 / 8             | 16.0                   | 107.280                 | -1.13 | 0.00         | 112.942       |
| DE000 110231 7 | 1.500 Bund 13 II        | 15.05.2023    | 5 / 9             | 18.0                   | 109.580                 | -0.15 | -0.11        | 109.913       |
| DE000 110232 5 | 2.000 Bund 13           | 15.08.2023    | 6 / 0             | 18.0                   | 112.760                 | -0.11 | -0.08        | 114.700       |
| DE000 113492 2 | 6.250 Bund 94           | 04.01.2024    | 6 / 5             | 10.3                   | 140.540                 | -0.05 | -0.04        | 144.170       |
| DE000 110233 3 | 1.750 Bund 14           | 15.02.2024    | 6 / 6             | 18.0                   | 111.750                 | -0.05 | -0.03        | 112.565       |
| DE000 110235 8 | 1.500 Bund 14           | 15.05.2024    | 6 / 9             | 18.0                   | 110.200                 | 0.00  | 0.00         | 110.533       |
| DE000 110236 6 | 1.000 Bund 14           | 15.08.2024    | 7 / 0             | 18.0                   | 106.810                 | 0.03  | 0.02         | 107.780       |
| DE000 110237 4 | 0.500 Bund 15           | 15.02.2025    | 7 / 6             | 23.0                   | 102.870                 | 0.12  | 0.09         | 103.103       |
| DE000 110238 2 | 1.000 Bund 15           | 15.08.2025    | 8 / 0             | 23.0                   | 106.500                 | 0.18  | 0.13         | 107.470       |
| DE000 110239 0 | 0.500 Bund 16           | 15.02.2026    | 8 / 6             | 26.0                   | 101.950                 | 0.27  | 0.20         | 102.183       |
| DE000 103056 7 | 0.100 Bund 15 index.    | 15.04.2026    | 8 / 8             | 11.0                   | 108.900                 | -0.88 | -0.64        | 111.585       |
| DE000 110240 8 | 0.000 Bund 16           | 15.08.2026    | 9 / 0             | 25.0                   | 96.900                  | 0.35  | 0.26         | 96.900        |
| DE000 110241 6 | 0.250 Bund 17           | 15.02.2027    | 9 / 6             | 26.0                   | 98.400                  | 0.42  | 0.31         | 98.539        |
| DE000 113504 4 | 6.500 Bund 97           | 04.07.2027    | 9 / 11            | 11.3                   | 159.360                 | 0.39  | 0.27         | 159.912       |
| DE000 110242 4 | 0.500 Bund 17           | 15.08.2027    | 10 / 0            | 8.0                    | 100.100                 | 0.49  | 0.36         | 100.129       |
| DE000 113506 9 | 5.625 Bund 98           | 04.01.2028    | 10 / 5            | 14.5                   | 152.530                 | 0.45  | 0.32         | 155.797       |
| DE000 113508 5 | 4.750 Bund 98 II        | 04.07.2028    | 10 / 11           | 11.3                   | 144.970                 | 0.50  | 0.36         | 145.373       |
| DE000 113514 3 | 6.250 Bund 00           | 04.01.2030    | 12 / 5            | 9.3                    | 167.220                 | 0.61  | 0.43         | 170.850       |
| DE000 103055 9 | 0.500 Bund 14 index.    | 15.04.2030    | 12 / 8            | 9.0                    | 114.000                 | -0.56 | -            | 117.244       |
| DE000 113517 6 | 5.500 Bund 00           | 04.01.2031    | 13 / 5            | 17.0                   | 161.480                 | 0.69  | 0.48         | 164.675       |
| DE000 113522 6 | 4.750 Bund 03           | 04.07.2034    | 16 / 11           | 20.0                   | 161.030                 | 0.86  | 0.60         | 161.433       |
| DE000 113527 5 | 4.000 Bund 05           | 04.01.2037    | 19 / 5            | 23.0                   | 153.570                 | 0.96  | 0.68         | 155.893       |
| DE000 113532 5 | 4.250 Bund 07           | 04.07.2039    | 21 / 11           | 14.0                   | 162.690                 | 1.04  | 0.72         | 163.051       |
| DE000 113536 6 | 4.750 Bund 08           | 04.07.2040    | 22 / 11           | 16.0                   | 174.900                 | 1.05  | 0.73         | 175.303       |
| DE000 113543 2 | 3.250 Bund 10           | 04.07.2042    | 24 / 11           | 15.0                   | 145.430                 | 1.14  | 0.81         | 145.706       |
| DE000 113548 1 | 2.500 Bund 12           | 04.07.2044    | 26 / 11           | 22.0                   | 129.550                 | 1.21  | 0.86         | 129.762       |
| DE000 103057 5 | 0.100 Bund 15 index. II | 15.04.2046    | 28 / 8            | 6.0                    | 111.950                 | -0.30 | -            | 115.572       |
| DE000 110234 1 | 2.500 Bund 14           | 15.08.2046    | 29 / 0            | 23.0                   | 130.630                 | 1.24  | 0.88         | 133.055       |

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) Net yield after deduction of withholding tax and solidarity surcharge (26.375% in total); deductions for church tax are not included.

5) 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 03.08.17**

| ISIN 1)        | Issue 2) 5)             | Maturity date | Residual life y/m | Issue volume € billion | Price 3) as of 03.08.17 | Yield | Net yield 4) | "Dirty price" |
|----------------|-------------------------|---------------|-------------------|------------------------|-------------------------|-------|--------------|---------------|
| DE000 110461 0 | 0.000 BSA 15 III        | 15.09.2017    | 0 / 1             | 13.0                   | 100.072                 | -0.67 | -0.50        | 100.072       |
| DE000 114164 6 | 0.500 BO S 164          | 13.10.2017    | 0 / 2             | 16.0                   | 100.216                 | -0.67 | -0.50        | 100.624       |
| DE000 110462 8 | 0.000 BSA 15 IV         | 15.12.2017    | 0 / 4             | 13.0                   | 100.250                 | -0.70 | -0.52        | 100.250       |
| DE000 113534 1 | 4.000 Bund 07           | 04.01.2018    | 0 / 5             | 20.0                   | 101.950                 | -0.71 | -0.53        | 104.306       |
| DE000 114165 3 | 0.500 BO S 165          | 23.02.2018    | 0 / 6             | 17.0                   | 100.660                 | -0.70 | -0.51        | 100.886       |
| DE000 110463 6 | 0.000 BSA 16            | 16.03.2018    | 0 / 7             | 13.0                   | 100.427                 | -0.70 | -0.52        | 100.427       |
| DE000 114166 1 | 0.250 BO S 166          | 13.04.2018    | 0 / 8             | 17.0                   | 100.645                 | -0.69 | -0.51        | 100.724       |
| DE000 103053 4 | 0.750 BO 11 index.      | 15.04.2018    | 0 / 8             | 15.0                   | 100.560                 | -0.06 | -            | 108.885       |
| DE000 110464 4 | 0.000 BSA 16 II         | 15.06.2018    | 0 / 10            | 14.0                   | 100.590                 | -0.69 | -0.51        | 100.590       |
| DE000 113535 8 | 4.250 Bund 08           | 04.07.2018    | 0 / 11            | 21.0                   | 104.518                 | -0.70 | -0.51        | 104.914       |
| DE000 110465 1 | 0.000 BSA 16 III        | 14.09.2018    | 1 / 1             | 13.0                   | 100.776                 | -0.70 | -0.51        | 100.776       |
| DE000 114167 9 | 1.000 BO S 167          | 12.10.2018    | 1 / 2             | 17.0                   | 102.045                 | -0.72 | -0.53        | 102.864       |
| DE000 110466 9 | 0.000 BSA 16 IV         | 14.12.2018    | 1 / 4             | 13.0                   | 100.964                 | -0.71 | -0.52        | 100.964       |
| DE000 113537 4 | 3.750 Bund 08           | 04.01.2019    | 1 / 5             | 24.0                   | 106.370                 | -0.72 | -0.53        | 108.579       |
| DE000 114168 7 | 1.000 BO S 168          | 22.02.2019    | 1 / 6             | 16.0                   | 102.684                 | -0.72 | -0.53        | 103.139       |
| DE000 110467 7 | 0.000 BSA 17            | 15.03.2019    | 1 / 7             | 13.0                   | 101.140                 | -0.70 | -0.52        | 101.140       |
| DE000 114169 5 | 0.500 BO S 169          | 12.04.2019    | 1 / 8             | 16.0                   | 102.071                 | -0.72 | -0.53        | 102.231       |
| DE000 110468 5 | 0.000 BSA 17 II         | 14.06.2019    | 1 / 10            | 13.0                   | 101.284                 | -0.69 | -0.51        | 101.284       |
| DE000 113538 2 | 3.500 Bund 09           | 04.07.2019    | 1 / 11            | 24.0                   | 108.096                 | -0.70 | -0.51        | 108.422       |
| DE000 114170 3 | 0.250 BO S 170          | 11.10.2019    | 2 / 2             | 16.0                   | 102.060                 | -0.69 | -0.50        | 102.265       |
| DE000 113539 0 | 3.250 Bund 09           | 04.01.2020    | 2 / 5             | 22.0                   | 109.560                 | -0.67 | -0.49        | 111.474       |
| DE000 103052 6 | 1.750 Bund 09 index.    | 15.04.2020    | 2 / 8             | 16.0                   | 108.320                 | -1.27 | -            | 121.231       |
| DE000 114171 1 | 0.000 BO S 171          | 17.04.2020    | 2 / 8             | 20.0                   | 101.730                 | -0.63 | -0.47        | 101.730       |
| DE000 113540 8 | 3.000 Bund 10           | 04.07.2020    | 2 / 11            | 22.0                   | 110.630                 | -0.61 | -0.45        | 110.909       |
| DE000 113541 6 | 2.250 Bund 10           | 04.09.2020    | 3 / 1             | 16.0                   | 108.830                 | -0.59 | -0.43        | 110.907       |
| DE000 114172 9 | 0.250 BO S 172          | 16.10.2020    | 3 / 2             | 19.0                   | 102.620                 | -0.56 | -0.41        | 102.822       |
| DE000 113542 4 | 2.500 Bund 10           | 04.01.2021    | 3 / 5             | 19.0                   | 110.430                 | -0.52 | -0.38        | 111.903       |
| DE000 114173 7 | 0.000 BO S 173          | 09.04.2021    | 3 / 8             | 21.0                   | 101.780                 | -0.48 | -0.35        | 101.780       |
| DE000 113544 0 | 3.250 Bund 11           | 04.07.2021    | 3 / 11            | 19.0                   | 114.630                 | -0.45 | -0.33        | 114.933       |
| DE000 113545 7 | 2.250 Bund 11           | 04.09.2021    | 4 / 1             | 16.0                   | 111.030                 | -0.43 | -0.31        | 113.107       |
| DE000 114174 5 | 0.000 BO S 174          | 08.10.2021    | 4 / 2             | 19.0                   | 101.640                 | -0.39 | -0.29        | 101.640       |
| DE000 113546 5 | 2.000 Bund 11           | 04.01.2022    | 4 / 5             | 20.0                   | 110.530                 | -0.36 | -0.27        | 111.708       |
| DE000 114175 2 | 0.000 BO S 175          | 08.04.2022    | 4 / 8             | 18.0                   | 101.440                 | -0.31 | -0.22        | 101.440       |
| DE000 113547 3 | 1.750 Bund 12           | 04.07.2022    | 4 / 11            | 24.0                   | 110.080                 | -0.29 | -0.21        | 110.243       |
| DE000 113549 9 | 1.500 Bund 12           | 04.09.2022    | 5 / 1             | 18.0                   | 108.980                 | -0.26 | -0.19        | 110.365       |
| DE000 114176 0 | 0.000 BO S 176          | 07.10.2022    | 5 / 2             | 4.0                    | 101.130                 | -0.22 | -0.16        | 101.130       |
| DE000 110230 9 | 1.500 Bund 13           | 15.02.2023    | 5 / 6             | 18.0                   | 109.310                 | -0.18 | -0.13        | 110.021       |
| DE000 103054 2 | 0.100 Bund 12 index.    | 15.04.2023    | 5 / 8             | 16.0                   | 107.310                 | -1.14 | 0.00         | 112.977       |
| DE000 110231 7 | 1.500 Bund 13 II        | 15.05.2023    | 5 / 9             | 18.0                   | 109.530                 | -0.14 | -0.10        | 109.875       |
| DE000 110232 5 | 2.000 Bund 13           | 15.08.2023    | 6 / 0             | 18.0                   | 112.705                 | -0.10 | -0.07        | 114.661       |
| DE000 113492 2 | 6.250 Bund 94           | 04.01.2024    | 6 / 5             | 10.3                   | 140.450                 | -0.05 | -0.03        | 144.132       |
| DE000 110233 3 | 1.750 Bund 14           | 15.02.2024    | 6 / 6             | 18.0                   | 111.705                 | -0.04 | -0.03        | 112.534       |
| DE000 110235 8 | 1.500 Bund 14           | 15.05.2024    | 6 / 9             | 18.0                   | 110.160                 | 0.00  | 0.00         | 110.505       |
| DE000 110236 6 | 1.000 Bund 14           | 15.08.2024    | 7 / 0             | 18.0                   | 106.775                 | 0.03  | 0.02         | 107.753       |
| DE000 110237 4 | 0.500 Bund 15           | 15.02.2025    | 7 / 6             | 23.0                   | 102.850                 | 0.12  | 0.09         | 103.087       |
| DE000 110238 2 | 1.000 Bund 15           | 15.08.2025    | 8 / 0             | 23.0                   | 106.470                 | 0.19  | 0.14         | 107.448       |
| DE000 110239 0 | 0.500 Bund 16           | 15.02.2026    | 8 / 6             | 26.0                   | 101.940                 | 0.27  | 0.20         | 102.177       |
| DE000 103056 7 | 0.100 Bund 15 index.    | 15.04.2026    | 8 / 8             | 11.0                   | 108.910                 | -0.88 | -0.64        | 111.598       |
| DE000 110240 8 | 0.000 Bund 16           | 15.08.2026    | 9 / 0             | 25.0                   | 96.905                  | 0.35  | 0.26         | 96.905        |
| DE000 110241 6 | 0.250 Bund 17           | 15.02.2027    | 9 / 6             | 26.0                   | 98.400                  | 0.42  | 0.31         | 98.541        |
| DE000 113504 4 | 6.500 Bund 97           | 04.07.2027    | 9 / 11            | 11.3                   | 159.320                 | 0.39  | 0.27         | 159.925       |
| DE000 110242 4 | 0.500 Bund 17           | 15.08.2027    | 10 / 0            | 8.0                    | 100.105                 | 0.49  | 0.36         | 100.138       |
| DE000 113506 9 | 5.625 Bund 98           | 04.01.2028    | 10 / 5            | 14.5                   | 152.520                 | 0.45  | 0.32         | 155.833       |
| DE000 113508 5 | 4.750 Bund 98 II        | 04.07.2028    | 10 / 11           | 11.3                   | 144.960                 | 0.50  | 0.36         | 145.402       |
| DE000 113514 3 | 6.250 Bund 00           | 04.01.2030    | 12 / 5            | 9.3                    | 167.210                 | 0.61  | 0.42         | 170.892       |
| DE000 103055 9 | 0.500 Bund 14 index.    | 15.04.2030    | 12 / 8            | 9.0                    | 113.940                 | -0.56 | -            | 117.189       |
| DE000 113517 6 | 5.500 Bund 00           | 04.01.2031    | 13 / 5            | 17.0                   | 161.470                 | 0.69  | 0.48         | 164.710       |
| DE000 113522 6 | 4.750 Bund 03           | 04.07.2034    | 16 / 11           | 20.0                   | 161.010                 | 0.86  | 0.60         | 161.452       |
| DE000 113527 5 | 4.000 Bund 05           | 04.01.2037    | 19 / 5            | 23.0                   | 153.630                 | 0.96  | 0.67         | 155.986       |
| DE000 113532 5 | 4.250 Bund 07           | 04.07.2039    | 21 / 11           | 14.0                   | 162.760                 | 1.03  | 0.72         | 163.156       |
| DE000 113536 6 | 4.750 Bund 08           | 04.07.2040    | 22 / 11           | 16.0                   | 174.970                 | 1.05  | 0.73         | 175.412       |
| DE000 113543 2 | 3.250 Bund 10           | 04.07.2042    | 24 / 11           | 15.0                   | 145.510                 | 1.14  | 0.81         | 145.813       |
| DE000 113548 1 | 2.500 Bund 12           | 04.07.2044    | 26 / 11           | 22.0                   | 129.540                 | 1.21  | 0.86         | 129.773       |
| DE000 103057 5 | 0.100 Bund 15 index. II | 15.04.2046    | 28 / 8            | 6.0                    | 112.070                 | -0.30 | -            | 115.699       |
| DE000 110234 1 | 2.500 Bund 14           | 15.08.2046    | 29 / 0            | 23.0                   | 130.690                 | 1.24  | 0.88         | 133.135       |

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) Net yield after deduction of withholding tax and solidarity surcharge (26.375% in total); deductions for church tax are not included.

5) 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 04.08.17**

| ISIN 1)        | Issue 2) 5)             | Maturity date | Residual life y/m | Issue volume € billion | Price 3) as of 04.08.17 | Yield | Net yield 4) | "Dirty price" |
|----------------|-------------------------|---------------|-------------------|------------------------|-------------------------|-------|--------------|---------------|
| DE000 110461 0 | 0.000 BSA 15 III        | 15.09.2017    | 0 / 1             | 13.0                   | 100.072                 | -0.67 | -0.50        | 100.072       |
| DE000 114164 6 | 0.500 BO S 164          | 13.10.2017    | 0 / 2             | 16.0                   | 100.215                 | -0.67 | -0.49        | 100.623       |
| DE000 110462 8 | 0.000 BSA 15 IV         | 15.12.2017    | 0 / 4             | 13.0                   | 100.252                 | -0.71 | -0.52        | 100.252       |
| DE000 113534 1 | 4.000 Bund 07           | 04.01.2018    | 0 / 5             | 20.0                   | 101.940                 | -0.69 | -0.51        | 104.296       |
| DE000 114165 3 | 0.500 BO S 165          | 23.02.2018    | 0 / 6             | 17.0                   | 100.663                 | -0.70 | -0.52        | 100.889       |
| DE000 110463 6 | 0.000 BSA 16            | 16.03.2018    | 0 / 7             | 13.0                   | 100.427                 | -0.70 | -0.52        | 100.427       |
| DE000 114166 1 | 0.250 BO S 166          | 13.04.2018    | 0 / 8             | 17.0                   | 100.652                 | -0.70 | -0.52        | 100.731       |
| DE000 103053 4 | 0.750 BO 11 index.      | 15.04.2018    | 0 / 8             | 15.0                   | 100.570                 | -0.08 | -            | 108.896       |
| DE000 110464 4 | 0.000 BSA 16 II         | 15.06.2018    | 0 / 10            | 14.0                   | 100.596                 | -0.69 | -0.51        | 100.596       |
| DE000 113535 8 | 4.250 Bund 08           | 04.07.2018    | 0 / 11            | 21.0                   | 104.512                 | -0.69 | -0.51        | 104.908       |
| DE000 110465 1 | 0.000 BSA 16 III        | 14.09.2018    | 1 / 1             | 13.0                   | 100.780                 | -0.70 | -0.52        | 100.780       |
| DE000 114167 9 | 1.000 BO S 167          | 12.10.2018    | 1 / 2             | 17.0                   | 102.045                 | -0.72 | -0.53        | 102.864       |
| DE000 110466 9 | 0.000 BSA 16 IV         | 14.12.2018    | 1 / 4             | 13.0                   | 100.970                 | -0.71 | -0.52        | 100.970       |
| DE000 113537 4 | 3.750 Bund 08           | 04.01.2019    | 1 / 5             | 24.0                   | 106.364                 | -0.72 | -0.53        | 108.573       |
| DE000 114168 7 | 1.000 BO S 168          | 22.02.2019    | 1 / 6             | 16.0                   | 102.687                 | -0.72 | -0.53        | 103.142       |
| DE000 110467 7 | 0.000 BSA 17            | 15.03.2019    | 1 / 7             | 13.0                   | 101.147                 | -0.71 | -0.52        | 101.147       |
| DE000 114169 5 | 0.500 BO S 169          | 12.04.2019    | 1 / 8             | 16.0                   | 102.072                 | -0.72 | -0.53        | 102.232       |
| DE000 110468 5 | 0.000 BSA 17 II         | 14.06.2019    | 1 / 10            | 13.0                   | 101.290                 | -0.69 | -0.51        | 101.290       |
| DE000 113538 2 | 3.500 Bund 09           | 04.07.2019    | 1 / 11            | 24.0                   | 108.098                 | -0.70 | -0.52        | 108.424       |
| DE000 114170 3 | 0.250 BO S 170          | 11.10.2019    | 2 / 2             | 16.0                   | 102.070                 | -0.69 | -0.51        | 102.275       |
| DE000 113539 0 | 3.250 Bund 09           | 04.01.2020    | 2 / 5             | 22.0                   | 109.570                 | -0.67 | -0.49        | 111.484       |
| DE000 103052 6 | 1.750 Bund 09 index.    | 15.04.2020    | 2 / 8             | 16.0                   | 108.360                 | -1.29 | -            | 121.275       |
| DE000 114171 1 | 0.000 BO S 171          | 17.04.2020    | 2 / 8             | 20.0                   | 101.750                 | -0.64 | -0.47        | 101.750       |
| DE000 113540 8 | 3.000 Bund 10           | 04.07.2020    | 2 / 11            | 22.0                   | 110.650                 | -0.62 | -0.45        | 110.929       |
| DE000 113541 6 | 2.250 Bund 10           | 04.09.2020    | 3 / 1             | 16.0                   | 108.860                 | -0.59 | -0.43        | 110.937       |
| DE000 114172 9 | 0.250 BO S 172          | 16.10.2020    | 3 / 2             | 19.0                   | 102.660                 | -0.57 | -0.42        | 102.862       |
| DE000 113542 4 | 2.500 Bund 10           | 04.01.2021    | 3 / 5             | 19.0                   | 110.480                 | -0.54 | -0.39        | 111.953       |
| DE000 114173 7 | 0.000 BO S 173          | 09.04.2021    | 3 / 8             | 21.0                   | 101.840                 | -0.50 | -0.36        | 101.840       |
| DE000 113544 0 | 3.250 Bund 11           | 04.07.2021    | 3 / 11            | 19.0                   | 114.690                 | -0.47 | -0.34        | 114.993       |
| DE000 113545 7 | 2.250 Bund 11           | 04.09.2021    | 4 / 1             | 16.0                   | 111.090                 | -0.44 | -0.32        | 113.167       |
| DE000 114174 5 | 0.000 BO S 174          | 08.10.2021    | 4 / 2             | 19.0                   | 101.710                 | -0.41 | -0.30        | 101.710       |
| DE000 113546 5 | 2.000 Bund 11           | 04.01.2022    | 4 / 5             | 20.0                   | 110.610                 | -0.38 | -0.28        | 111.788       |
| DE000 114175 2 | 0.000 BO S 175          | 08.04.2022    | 4 / 8             | 18.0                   | 101.530                 | -0.32 | -0.24        | 101.530       |
| DE000 113547 3 | 1.750 Bund 12           | 04.07.2022    | 4 / 11            | 24.0                   | 110.180                 | -0.31 | -0.22        | 110.343       |
| DE000 113549 9 | 1.500 Bund 12           | 04.09.2022    | 5 / 1             | 18.0                   | 109.100                 | -0.28 | -0.20        | 110.485       |
| DE000 114176 0 | 0.000 BO S 176          | 07.10.2022    | 5 / 2             | 4.0                    | 101.240                 | -0.24 | -0.18        | 101.240       |
| DE000 110230 9 | 1.500 Bund 13           | 15.02.2023    | 5 / 6             | 18.0                   | 109.470                 | -0.20 | -0.15        | 110.181       |
| DE000 103054 2 | 0.100 Bund 12 index.    | 15.04.2023    | 5 / 8             | 16.0                   | 107.460                 | -1.16 | 0.00         | 113.135       |
| DE000 110231 7 | 1.500 Bund 13 II        | 15.05.2023    | 5 / 9             | 18.0                   | 109.685                 | -0.17 | -0.12        | 110.030       |
| DE000 110232 5 | 2.000 Bund 13           | 15.08.2023    | 6 / 0             | 18.0                   | 112.910                 | -0.13 | -0.10        | 114.866       |
| DE000 113492 2 | 6.250 Bund 94           | 04.01.2024    | 6 / 5             | 10.3                   | 140.660                 | -0.07 | -0.05        | 144.342       |
| DE000 110233 3 | 1.750 Bund 14           | 15.02.2024    | 6 / 6             | 18.0                   | 111.900                 | -0.07 | -0.05        | 112.729       |
| DE000 110235 8 | 1.500 Bund 14           | 15.05.2024    | 6 / 9             | 18.0                   | 110.380                 | -0.03 | -0.02        | 110.725       |
| DE000 110236 6 | 1.000 Bund 14           | 15.08.2024    | 7 / 0             | 18.0                   | 106.990                 | 0.00  | 0.00         | 107.968       |
| DE000 110237 4 | 0.500 Bund 15           | 15.02.2025    | 7 / 6             | 23.0                   | 103.090                 | 0.09  | 0.06         | 103.327       |
| DE000 110238 2 | 1.000 Bund 15           | 15.08.2025    | 8 / 0             | 23.0                   | 106.730                 | 0.16  | 0.11         | 107.708       |
| DE000 110239 0 | 0.500 Bund 16           | 15.02.2026    | 8 / 6             | 26.0                   | 102.220                 | 0.24  | 0.17         | 102.457       |
| DE000 103056 7 | 0.100 Bund 15 index.    | 15.04.2026    | 8 / 8             | 11.0                   | 109.200                 | -0.91 | -0.67        | 111.895       |
| DE000 110240 8 | 0.000 Bund 16           | 15.08.2026    | 9 / 0             | 25.0                   | 97.200                  | 0.32  | 0.23         | 97.200        |
| DE000 110241 6 | 0.250 Bund 17           | 15.02.2027    | 9 / 6             | 26.0                   | 98.710                  | 0.39  | 0.29         | 98.851        |
| DE000 113504 4 | 6.500 Bund 97           | 04.07.2027    | 9 / 11            | 11.3                   | 159.710                 | 0.36  | 0.25         | 160.315       |
| DE000 110242 4 | 0.500 Bund 17           | 15.08.2027    | 10 / 0            | 8.0                    | 100.445                 | 0.45  | 0.33         | 100.478       |
| DE000 113506 9 | 5.625 Bund 98           | 04.01.2028    | 10 / 5            | 14.5                   | 152.960                 | 0.42  | 0.29         | 156.273       |
| DE000 113508 5 | 4.750 Bund 98 II        | 04.07.2028    | 10 / 11           | 11.3                   | 145.410                 | 0.47  | 0.33         | 145.852       |
| DE000 113514 3 | 6.250 Bund 00           | 04.01.2030    | 12 / 5            | 9.3                    | 167.780                 | 0.58  | 0.40         | 171.462       |
| DE000 103055 9 | 0.500 Bund 14 index.    | 15.04.2030    | 12 / 8            | 9.0                    | 114.500                 | -0.60 | -            | 117.764       |
| DE000 113517 6 | 5.500 Bund 00           | 04.01.2031    | 13 / 5            | 17.0                   | 162.090                 | 0.65  | 0.45         | 165.330       |
| DE000 113522 6 | 4.750 Bund 03           | 04.07.2034    | 16 / 11           | 20.0                   | 161.830                 | 0.82  | 0.57         | 162.272       |
| DE000 113527 5 | 4.000 Bund 05           | 04.01.2037    | 19 / 5            | 23.0                   | 154.500                 | 0.92  | 0.65         | 156.856       |
| DE000 113532 5 | 4.250 Bund 07           | 04.07.2039    | 21 / 11           | 14.0                   | 163.760                 | 1.00  | 0.69         | 164.156       |
| DE000 113536 6 | 4.750 Bund 08           | 04.07.2040    | 22 / 11           | 16.0                   | 176.090                 | 1.01  | 0.70         | 176.532       |
| DE000 113543 2 | 3.250 Bund 10           | 04.07.2042    | 24 / 11           | 15.0                   | 146.570                 | 1.10  | 0.78         | 146.873       |
| DE000 113548 1 | 2.500 Bund 12           | 04.07.2044    | 26 / 11           | 22.0                   | 130.670                 | 1.17  | 0.83         | 130.903       |
| DE000 103057 5 | 0.100 Bund 15 index. II | 15.04.2046    | 28 / 8            | 6.0                    | 113.150                 | -0.34 | -            | 116.813       |
| DE000 110234 1 | 2.500 Bund 14           | 15.08.2046    | 29 / 0            | 23.0                   | 131.860                 | 1.19  | 0.85         | 134.305       |

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) Net yield after deduction of withholding tax and solidarity surcharge (26.375% in total); deductions for church tax are not included.

5) 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 07.08.17**

| ISIN 1)        | Issue 2) 5)             | Maturity date | Residual life y/m | Issue volume € billion | Price 3) as of 07.08.17 | Yield | Net yield 4) | "Dirty price" |
|----------------|-------------------------|---------------|-------------------|------------------------|-------------------------|-------|--------------|---------------|
| DE000 110461 0 | 0.000 BSA 15 III        | 15.09.2017    | 0 / 1             | 13.0                   | 100.070                 | -0.69 | -0.51        | 100.070       |
| DE000 114164 6 | 0.500 BO S 164          | 13.10.2017    | 0 / 2             | 16.0                   | 100.212                 | -0.69 | -0.51        | 100.623       |
| DE000 110462 8 | 0.000 BSA 15 IV         | 15.12.2017    | 0 / 4             | 13.0                   | 100.250                 | -0.71 | -0.52        | 100.250       |
| DE000 113534 1 | 4.000 Bund 07           | 04.01.2018    | 0 / 4             | 20.0                   | 101.925                 | -0.72 | -0.53        | 104.303       |
| DE000 114165 3 | 0.500 BO S 165          | 23.02.2018    | 0 / 6             | 17.0                   | 100.659                 | -0.71 | -0.52        | 100.888       |
| DE000 110463 6 | 0.000 BSA 16            | 16.03.2018    | 0 / 7             | 13.0                   | 100.425                 | -0.71 | -0.52        | 100.425       |
| DE000 114166 1 | 0.250 BO S 166          | 13.04.2018    | 0 / 8             | 17.0                   | 100.647                 | -0.70 | -0.52        | 100.728       |
| DE000 103053 4 | 0.750 BO 11 index.      | 15.04.2018    | 0 / 8             | 15.0                   | 100.550                 | -0.06 | -            | 108.880       |
| DE000 110464 4 | 0.000 BSA 16 II         | 15.06.2018    | 0 / 10            | 14.0                   | 100.589                 | -0.69 | -0.51        | 100.589       |
| DE000 113535 8 | 4.250 Bund 08           | 04.07.2018    | 0 / 10            | 21.0                   | 104.494                 | -0.70 | -0.52        | 104.913       |
| DE000 110465 1 | 0.000 BSA 16 III        | 14.09.2018    | 1 / 1             | 13.0                   | 100.769                 | -0.69 | -0.51        | 100.769       |
| DE000 114167 9 | 1.000 BO S 167          | 12.10.2018    | 1 / 2             | 17.0                   | 102.033                 | -0.72 | -0.53        | 102.858       |
| DE000 110466 9 | 0.000 BSA 16 IV         | 14.12.2018    | 1 / 4             | 13.0                   | 100.960                 | -0.71 | -0.52        | 100.960       |
| DE000 113537 4 | 3.750 Bund 08           | 04.01.2019    | 1 / 4             | 24.0                   | 106.336                 | -0.72 | -0.53        | 108.565       |
| DE000 114168 7 | 1.000 BO S 168          | 22.02.2019    | 1 / 6             | 16.0                   | 102.660                 | -0.71 | -0.52        | 103.120       |
| DE000 110467 7 | 0.000 BSA 17            | 15.03.2019    | 1 / 7             | 13.0                   | 101.122                 | -0.70 | -0.51        | 101.122       |
| DE000 114169 5 | 0.500 BO S 169          | 12.04.2019    | 1 / 8             | 16.0                   | 102.047                 | -0.71 | -0.52        | 102.210       |
| DE000 110468 5 | 0.000 BSA 17 II         | 14.06.2019    | 1 / 10            | 13.0                   | 101.265                 | -0.68 | -0.50        | 101.265       |
| DE000 113538 2 | 3.500 Bund 09           | 04.07.2019    | 1 / 10            | 24.0                   | 108.060                 | -0.70 | -0.51        | 108.405       |
| DE000 114170 3 | 0.250 BO S 170          | 11.10.2019    | 2 / 2             | 16.0                   | 102.030                 | -0.67 | -0.50        | 102.237       |
| DE000 113539 0 | 3.250 Bund 09           | 04.01.2020    | 2 / 4             | 22.0                   | 109.510                 | -0.66 | -0.48        | 111.442       |
| DE000 103052 6 | 1.750 Bund 09 index.    | 15.04.2020    | 2 / 8             | 16.0                   | 108.400                 | -1.31 | -            | 121.332       |
| DE000 114171 1 | 0.000 BO S 171          | 17.04.2020    | 2 / 8             | 20.0                   | 101.700                 | -0.63 | -0.46        | 101.700       |
| DE000 113540 8 | 3.000 Bund 10           | 04.07.2020    | 2 / 10            | 22.0                   | 110.600                 | -0.61 | -0.45        | 110.896       |
| DE000 113541 6 | 2.250 Bund 10           | 04.09.2020    | 3 / 0             | 16.0                   | 108.800                 | -0.58 | -0.42        | 110.890       |
| DE000 114172 9 | 0.250 BO S 172          | 16.10.2020    | 3 / 2             | 19.0                   | 102.600                 | -0.56 | -0.41        | 102.803       |
| DE000 113542 4 | 2.500 Bund 10           | 04.01.2021    | 3 / 4             | 19.0                   | 110.410                 | -0.52 | -0.38        | 111.896       |
| DE000 114173 7 | 0.000 BO S 173          | 09.04.2021    | 3 / 8             | 21.0                   | 101.770                 | -0.48 | -0.35        | 101.770       |
| DE000 113544 0 | 3.250 Bund 11           | 04.07.2021    | 3 / 10            | 19.0                   | 114.600                 | -0.45 | -0.33        | 114.921       |
| DE000 113545 7 | 2.250 Bund 11           | 04.09.2021    | 4 / 0             | 16.0                   | 111.000                 | -0.42 | -0.31        | 113.090       |
| DE000 114174 5 | 0.000 BO S 174          | 08.10.2021    | 4 / 2             | 19.0                   | 101.630                 | -0.39 | -0.28        | 101.630       |
| DE000 113546 5 | 2.000 Bund 11           | 04.01.2022    | 4 / 4             | 20.0                   | 110.520                 | -0.36 | -0.27        | 111.709       |
| DE000 114175 2 | 0.000 BO S 175          | 08.04.2022    | 4 / 8             | 18.0                   | 101.440                 | -0.31 | -0.23        | 101.440       |
| DE000 113547 3 | 1.750 Bund 12           | 04.07.2022    | 4 / 10            | 24.0                   | 110.070                 | -0.29 | -0.21        | 110.243       |
| DE000 113549 9 | 1.500 Bund 12           | 04.09.2022    | 5 / 0             | 18.0                   | 108.980                 | -0.26 | -0.19        | 110.373       |
| DE000 114176 0 | 0.000 BO S 176          | 07.10.2022    | 5 / 2             | 4.0                    | 101.130                 | -0.22 | -0.16        | 101.130       |
| DE000 110230 9 | 1.500 Bund 13           | 15.02.2023    | 5 / 6             | 18.0                   | 109.370                 | -0.19 | -0.14        | 110.089       |
| DE000 103054 2 | 0.100 Bund 12 index.    | 15.04.2023    | 5 / 8             | 16.0                   | 107.450                 | -1.16 | 0.00         | 113.126       |
| DE000 110231 7 | 1.500 Bund 13 II        | 15.05.2023    | 5 / 9             | 18.0                   | 109.580                 | -0.15 | -0.11        | 109.933       |
| DE000 110232 5 | 2.000 Bund 13           | 15.08.2023    | 6 / 0             | 18.0                   | 112.796                 | -0.12 | -0.09        | 114.763       |
| DE000 113492 2 | 6.250 Bund 94           | 04.01.2024    | 6 / 4             | 10.3                   | 140.467                 | -0.05 | -0.04        | 144.183       |
| DE000 110233 3 | 1.750 Bund 14           | 15.02.2024    | 6 / 6             | 18.0                   | 111.760                 | -0.05 | -0.04        | 112.599       |
| DE000 110235 8 | 1.500 Bund 14           | 15.05.2024    | 6 / 9             | 18.0                   | 110.228                 | -0.01 | -0.01        | 110.581       |
| DE000 110236 6 | 1.000 Bund 14           | 15.08.2024    | 7 / 0             | 18.0                   | 106.830                 | 0.03  | 0.02         | 107.814       |
| DE000 110237 4 | 0.500 Bund 15           | 15.02.2025    | 7 / 6             | 23.0                   | 102.913                 | 0.11  | 0.08         | 103.153       |
| DE000 110238 2 | 1.000 Bund 15           | 15.08.2025    | 8 / 0             | 23.0                   | 106.530                 | 0.18  | 0.13         | 107.514       |
| DE000 110239 0 | 0.500 Bund 16           | 15.02.2026    | 8 / 6             | 26.0                   | 102.017                 | 0.26  | 0.19         | 102.257       |
| DE000 103056 7 | 0.100 Bund 15 index.    | 15.04.2026    | 8 / 8             | 11.0                   | 108.960                 | -0.89 | -0.65        | 111.651       |
| DE000 110240 8 | 0.000 Bund 16           | 15.08.2026    | 9 / 0             | 25.0                   | 96.987                  | 0.34  | 0.25         | 96.987        |
| DE000 110241 6 | 0.250 Bund 17           | 15.02.2027    | 9 / 6             | 26.0                   | 98.480                  | 0.41  | 0.30         | 98.622        |
| DE000 113504 4 | 6.500 Bund 97           | 04.07.2027    | 9 / 10            | 11.3                   | 159.359                 | 0.38  | 0.27         | 160.000       |
| DE000 110242 4 | 0.500 Bund 17           | 15.08.2027    | 10 / 0            | 8.0                    | 100.211                 | 0.48  | 0.35         | 100.247       |
| DE000 113506 9 | 5.625 Bund 98           | 04.01.2028    | 10 / 4            | 14.5                   | 152.635                 | 0.44  | 0.31         | 155.979       |
| DE000 113508 5 | 4.750 Bund 98 II        | 04.07.2028    | 10 / 10           | 11.3                   | 145.075                 | 0.49  | 0.35         | 145.543       |
| DE000 113514 3 | 6.250 Bund 00           | 04.01.2030    | 12 / 4            | 9.3                    | 167.400                 | 0.60  | 0.42         | 171.116       |
| DE000 103055 9 | 0.500 Bund 14 index.    | 15.04.2030    | 12 / 8            | 9.0                    | 114.150                 | -0.57 | -            | 117.409       |
| DE000 113517 6 | 5.500 Bund 00           | 04.01.2031    | 13 / 4            | 17.0                   | 161.700                 | 0.67  | 0.47         | 164.970       |
| DE000 113522 6 | 4.750 Bund 03           | 04.07.2034    | 16 / 10           | 20.0                   | 161.330                 | 0.84  | 0.59         | 161.798       |
| DE000 113527 5 | 4.000 Bund 05           | 04.01.2037    | 19 / 4            | 23.0                   | 153.950                 | 0.94  | 0.66         | 156.328       |
| DE000 113532 5 | 4.250 Bund 07           | 04.07.2039    | 21 / 10           | 14.0                   | 163.135                 | 1.02  | 0.71         | 163.554       |
| DE000 113536 6 | 4.750 Bund 08           | 04.07.2040    | 22 / 10           | 16.0                   | 175.405                 | 1.03  | 0.72         | 175.873       |
| DE000 113543 2 | 3.250 Bund 10           | 04.07.2042    | 24 / 10           | 15.0                   | 145.920                 | 1.13  | 0.79         | 146.241       |
| DE000 113548 1 | 2.500 Bund 12           | 04.07.2044    | 26 / 10           | 22.0                   | 130.015                 | 1.19  | 0.85         | 130.262       |
| DE000 103057 5 | 0.100 Bund 15 index. II | 15.04.2046    | 28 / 8            | 6.0                    | 112.100                 | -0.30 | -            | 115.731       |
| DE000 110234 1 | 2.500 Bund 14           | 15.08.2046    | 29 / 0            | 23.0                   | 131.155                 | 1.22  | 0.87         | 133.614       |

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) Net yield after deduction of withholding tax and solidarity surcharge (26.375% in total); deductions for church tax are not included.

5) 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 08.08.17

| ISIN 1)        | Issue 2) 5)             | Maturity date | Residual life y/m | Issue volume € billion | Price 3) as of 08.08.17 | Yield | Net yield 4) | "Dirty price" |
|----------------|-------------------------|---------------|-------------------|------------------------|-------------------------|-------|--------------|---------------|
| DE000 110461 0 | 0.000 BSA 15 III        | 15.09.2017    | 0 / 1             | 13.0                   | 100.067                 | -0.68 | -0.50        | 100.067       |
| DE000 114164 6 | 0.500 BO S 164          | 13.10.2017    | 0 / 2             | 16.0                   | 100.210                 | -0.69 | -0.51        | 100.622       |
| DE000 110462 8 | 0.000 BSA 15 IV         | 15.12.2017    | 0 / 4             | 13.0                   | 100.250                 | -0.72 | -0.53        | 100.250       |
| DE000 113534 1 | 4.000 Bund 07           | 04.01.2018    | 0 / 4             | 20.0                   | 101.915                 | -0.72 | -0.54        | 104.304       |
| DE000 114165 3 | 0.500 BO S 165          | 23.02.2018    | 0 / 6             | 17.0                   | 100.655                 | -0.71 | -0.52        | 100.885       |
| DE000 110463 6 | 0.000 BSA 16            | 16.03.2018    | 0 / 7             | 13.0                   | 100.423                 | -0.71 | -0.52        | 100.423       |
| DE000 114166 1 | 0.250 BO S 166          | 13.04.2018    | 0 / 8             | 17.0                   | 100.645                 | -0.70 | -0.52        | 100.727       |
| DE000 103053 4 | 0.750 BO 11 index.      | 15.04.2018    | 0 / 8             | 15.0                   | 100.540                 | -0.04 | -            | 108.872       |
| DE000 110464 4 | 0.000 BSA 16 II         | 15.06.2018    | 0 / 10            | 14.0                   | 100.588                 | -0.69 | -0.51        | 100.588       |
| DE000 113535 8 | 4.250 Bund 08           | 04.07.2018    | 0 / 10            | 21.0                   | 104.483                 | -0.70 | -0.52        | 104.914       |
| DE000 110465 1 | 0.000 BSA 16 III        | 14.09.2018    | 1 / 1             | 13.0                   | 100.772                 | -0.70 | -0.51        | 100.772       |
| DE000 114167 9 | 1.000 BO S 167          | 12.10.2018    | 1 / 2             | 17.0                   | 102.030                 | -0.72 | -0.53        | 102.857       |
| DE000 110466 9 | 0.000 BSA 16 IV         | 14.12.2018    | 1 / 4             | 13.0                   | 100.960                 | -0.71 | -0.52        | 100.960       |
| DE000 113537 4 | 3.750 Bund 08           | 04.01.2019    | 1 / 4             | 24.0                   | 106.326                 | -0.72 | -0.53        | 108.566       |
| DE000 114168 7 | 1.000 BO S 168          | 22.02.2019    | 1 / 6             | 16.0                   | 102.660                 | -0.71 | -0.53        | 103.123       |
| DE000 110467 7 | 0.000 BSA 17            | 15.03.2019    | 1 / 7             | 13.0                   | 101.125                 | -0.70 | -0.51        | 101.125       |
| DE000 114169 5 | 0.500 BO S 169          | 12.04.2019    | 1 / 8             | 16.0                   | 102.045                 | -0.71 | -0.52        | 102.209       |
| DE000 110468 5 | 0.000 BSA 17 II         | 14.06.2019    | 1 / 10            | 13.0                   | 101.267                 | -0.68 | -0.50        | 101.267       |
| DE000 113538 2 | 3.500 Bund 09           | 04.07.2019    | 1 / 10            | 24.0                   | 108.052                 | -0.70 | -0.51        | 108.407       |
| DE000 114170 3 | 0.250 BO S 170          | 11.10.2019    | 2 / 2             | 16.0                   | 102.040                 | -0.68 | -0.50        | 102.248       |
| DE000 113539 0 | 3.250 Bund 09           | 04.01.2020    | 2 / 4             | 22.0                   | 109.500                 | -0.66 | -0.48        | 111.441       |
| DE000 103052 6 | 1.750 Bund 09 index.    | 15.04.2020    | 2 / 8             | 16.0                   | 108.420                 | -1.32 | -            | 121.360       |
| DE000 114171 1 | 0.000 BO S 171          | 17.04.2020    | 2 / 8             | 20.0                   | 101.710                 | -0.63 | -0.46        | 101.710       |
| DE000 113540 8 | 3.000 Bund 10           | 04.07.2020    | 2 / 10            | 22.0                   | 110.610                 | -0.62 | -0.45        | 110.914       |
| DE000 113541 6 | 2.250 Bund 10           | 04.09.2020    | 3 / 0             | 16.0                   | 108.810                 | -0.59 | -0.43        | 110.906       |
| DE000 114172 9 | 0.250 BO S 172          | 16.10.2020    | 3 / 2             | 19.0                   | 102.620                 | -0.56 | -0.41        | 102.824       |
| DE000 113542 4 | 2.500 Bund 10           | 04.01.2021    | 3 / 4             | 19.0                   | 110.440                 | -0.53 | -0.39        | 111.933       |
| DE000 114173 7 | 0.000 BO S 173          | 09.04.2021    | 3 / 8             | 21.0                   | 101.820                 | -0.49 | -0.36        | 101.820       |
| DE000 113544 0 | 3.250 Bund 11           | 04.07.2021    | 3 / 10            | 19.0                   | 114.660                 | -0.47 | -0.34        | 114.989       |
| DE000 113545 7 | 2.250 Bund 11           | 04.09.2021    | 4 / 0             | 16.0                   | 111.060                 | -0.44 | -0.32        | 113.156       |
| DE000 114174 5 | 0.000 BO S 174          | 08.10.2021    | 4 / 2             | 19.0                   | 101.700                 | -0.40 | -0.30        | 101.700       |
| DE000 113546 5 | 2.000 Bund 11           | 04.01.2022    | 4 / 4             | 20.0                   | 110.590                 | -0.38 | -0.28        | 111.785       |
| DE000 114175 2 | 0.000 BO S 175          | 08.04.2022    | 4 / 8             | 18.0                   | 101.530                 | -0.33 | -0.24        | 101.530       |
| DE000 113547 3 | 1.750 Bund 12           | 04.07.2022    | 4 / 10            | 24.0                   | 110.160                 | -0.31 | -0.22        | 110.337       |
| DE000 113549 9 | 1.500 Bund 12           | 04.09.2022    | 5 / 0             | 18.0                   | 109.080                 | -0.28 | -0.20        | 110.477       |
| DE000 114176 0 | 0.000 BO S 176          | 07.10.2022    | 5 / 1             | 4.0                    | 101.220                 | -0.23 | -0.17        | 101.220       |
| DE000 110230 9 | 1.500 Bund 13           | 15.02.2023    | 5 / 6             | 18.0                   | 109.468                 | -0.20 | -0.15        | 110.191       |
| DE000 103054 2 | 0.100 Bund 12 index.    | 15.04.2023    | 5 / 8             | 16.0                   | 107.580                 | -1.18 | 0.00         | 113.264       |
| DE000 110231 7 | 1.500 Bund 13 II        | 15.05.2023    | 5 / 9             | 18.0                   | 109.686                 | -0.17 | -0.12        | 110.044       |
| DE000 110232 5 | 2.000 Bund 13           | 15.08.2023    | 6 / 0             | 18.0                   | 112.908                 | -0.14 | -0.10        | 114.881       |
| DE000 113492 2 | 6.250 Bund 94           | 04.01.2024    | 6 / 4             | 10.3                   | 140.600                 | -0.07 | -0.05        | 144.333       |
| DE000 110233 3 | 1.750 Bund 14           | 15.02.2024    | 6 / 6             | 18.0                   | 111.904                 | -0.07 | -0.05        | 112.748       |
| DE000 110235 8 | 1.500 Bund 14           | 15.05.2024    | 6 / 9             | 18.0                   | 110.380                 | -0.03 | -0.02        | 110.738       |
| DE000 110236 6 | 1.000 Bund 14           | 15.08.2024    | 7 / 0             | 18.0                   | 106.985                 | 0.00  | 0.00         | 107.971       |
| DE000 110237 4 | 0.500 Bund 15           | 15.02.2025    | 7 / 6             | 23.0                   | 103.095                 | 0.09  | 0.06         | 103.336       |
| DE000 110238 2 | 1.000 Bund 15           | 15.08.2025    | 8 / 0             | 23.0                   | 106.730                 | 0.15  | 0.11         | 107.716       |
| DE000 110239 0 | 0.500 Bund 16           | 15.02.2026    | 8 / 6             | 26.0                   | 102.229                 | 0.24  | 0.17         | 102.470       |
| DE000 103056 7 | 0.100 Bund 15 index.    | 15.04.2026    | 8 / 8             | 11.0                   | 109.280                 | -0.92 | -0.67        | 111.980       |
| DE000 110240 8 | 0.000 Bund 16           | 15.08.2026    | 9 / 0             | 25.0                   | 97.207                  | 0.31  | 0.23         | 97.207        |
| DE000 110241 6 | 0.250 Bund 17           | 15.02.2027    | 9 / 6             | 26.0                   | 98.718                  | 0.39  | 0.29         | 98.861        |
| DE000 113504 4 | 6.500 Bund 97           | 04.07.2027    | 9 / 10            | 11.3                   | 159.612                 | 0.36  | 0.25         | 160.271       |
| DE000 110242 4 | 0.500 Bund 17           | 15.08.2027    | 10 / 0            | 8.0                    | 100.450                 | 0.45  | 0.33         | 100.487       |
| DE000 113506 9 | 5.625 Bund 98           | 04.01.2028    | 10 / 4            | 14.5                   | 152.940                 | 0.41  | 0.29         | 156.300       |
| DE000 113508 5 | 4.750 Bund 98 II        | 04.07.2028    | 10 / 10           | 11.3                   | 145.380                 | 0.47  | 0.33         | 145.862       |
| DE000 113514 3 | 6.250 Bund 00           | 04.01.2030    | 12 / 4            | 9.3                    | 167.715                 | 0.58  | 0.40         | 171.448       |
| DE000 103055 9 | 0.500 Bund 14 index.    | 15.04.2030    | 12 / 8            | 9.0                    | 114.530                 | -0.60 | -            | 117.802       |
| DE000 113517 6 | 5.500 Bund 00           | 04.01.2031    | 13 / 4            | 17.0                   | 162.035                 | 0.65  | 0.45         | 165.320       |
| DE000 113522 6 | 4.750 Bund 03           | 04.07.2034    | 16 / 10           | 20.0                   | 161.720                 | 0.82  | 0.57         | 162.202       |
| DE000 113527 5 | 4.000 Bund 05           | 04.01.2037    | 19 / 4            | 23.0                   | 154.385                 | 0.92  | 0.65         | 156.774       |
| DE000 113532 5 | 4.250 Bund 07           | 04.07.2039    | 21 / 10           | 14.0                   | 163.620                 | 1.00  | 0.70         | 164.051       |
| DE000 113536 6 | 4.750 Bund 08           | 04.07.2040    | 22 / 10           | 16.0                   | 175.915                 | 1.02  | 0.70         | 176.397       |
| DE000 113543 2 | 3.250 Bund 10           | 04.07.2042    | 24 / 10           | 15.0                   | 146.385                 | 1.11  | 0.78         | 146.714       |
| DE000 113548 1 | 2.500 Bund 12           | 04.07.2044    | 26 / 10           | 22.0                   | 130.445                 | 1.17  | 0.84         | 130.698       |
| DE000 103057 5 | 0.100 Bund 15 index. II | 15.04.2046    | 28 / 8            | 6.0                    | 112.750                 | -0.32 | -            | 116.403       |
| DE000 110234 1 | 2.500 Bund 14           | 15.08.2046    | 29 / 0            | 23.0                   | 131.615                 | 1.20  | 0.86         | 134.081       |

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3) Bundesbank reference price on the Frankfurt Stock Exchange

4) Net yield after deduction of withholding tax and solidarity surcharge (26.375% in total); deductions for church tax are not included.

5) 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 09.08.17**

| ISIN 1)        | Issue 2) 5)             | Maturity date | Residual life y/m | Issue volume € billion | Price 3) as of 09.08.17 | Yield | Net yield 4) | "Dirty price" |
|----------------|-------------------------|---------------|-------------------|------------------------|-------------------------|-------|--------------|---------------|
| DE000 110461 0 | 0.000 BSA 15 III        | 15.09.2017    | 0 / 1             | 13.0                   | 100.067                 | -0.70 | -0.51        | 100.067       |
| DE000 114164 6 | 0.500 BO S 164          | 13.10.2017    | 0 / 2             | 16.0                   | 100.207                 | -0.69 | -0.51        | 100.621       |
| DE000 110462 8 | 0.000 BSA 15 IV         | 15.12.2017    | 0 / 4             | 13.0                   | 100.252                 | -0.73 | -0.54        | 100.252       |
| DE000 113534 1 | 4.000 Bund 07           | 04.01.2018    | 0 / 4             | 20.0                   | 101.905                 | -0.73 | -0.54        | 104.305       |
| DE000 114165 3 | 0.500 BO S 165          | 23.02.2018    | 0 / 6             | 17.0                   | 100.655                 | -0.71 | -0.53        | 100.887       |
| DE000 110463 6 | 0.000 BSA 16            | 16.03.2018    | 0 / 7             | 13.0                   | 100.425                 | -0.71 | -0.52        | 100.425       |
| DE000 114166 1 | 0.250 BO S 166          | 13.04.2018    | 0 / 8             | 17.0                   | 100.649                 | -0.71 | -0.52        | 100.731       |
| DE000 103053 4 | 0.750 BO 11 index.      | 15.04.2018    | 0 / 8             | 15.0                   | 100.550                 | -0.06 | -            | 108.886       |
| DE000 110464 4 | 0.000 BSA 16 II         | 15.06.2018    | 0 / 10            | 14.0                   | 100.595                 | -0.70 | -0.52        | 100.595       |
| DE000 113535 8 | 4.250 Bund 08           | 04.07.2018    | 0 / 10            | 21.0                   | 104.478                 | -0.71 | -0.53        | 104.920       |
| DE000 110465 1 | 0.000 BSA 16 III        | 14.09.2018    | 1 / 1             | 13.0                   | 100.784                 | -0.71 | -0.52        | 100.784       |
| DE000 114167 9 | 1.000 BO S 167          | 12.10.2018    | 1 / 2             | 17.0                   | 102.038                 | -0.73 | -0.54        | 102.868       |
| DE000 110466 9 | 0.000 BSA 16 IV         | 14.12.2018    | 1 / 4             | 13.0                   | 100.980                 | -0.72 | -0.53        | 100.980       |
| DE000 113537 4 | 3.750 Bund 08           | 04.01.2019    | 1 / 4             | 24.0                   | 106.337                 | -0.73 | -0.54        | 108.587       |
| DE000 114168 7 | 1.000 BO S 168          | 22.02.2019    | 1 / 6             | 16.0                   | 102.680                 | -0.73 | -0.54        | 103.146       |
| DE000 110467 7 | 0.000 BSA 17            | 15.03.2019    | 1 / 7             | 13.0                   | 101.150                 | -0.72 | -0.53        | 101.150       |
| DE000 114169 5 | 0.500 BO S 169          | 12.04.2019    | 1 / 8             | 16.0                   | 102.072                 | -0.73 | -0.54        | 102.238       |
| DE000 110468 5 | 0.000 BSA 17 II         | 14.06.2019    | 1 / 10            | 13.0                   | 101.297                 | -0.70 | -0.51        | 101.297       |
| DE000 113538 2 | 3.500 Bund 09           | 04.07.2019    | 1 / 10            | 24.0                   | 108.075                 | -0.71 | -0.52        | 108.439       |
| DE000 114170 3 | 0.250 BO S 170          | 11.10.2019    | 2 / 2             | 16.0                   | 102.080                 | -0.70 | -0.51        | 102.288       |
| DE000 113539 0 | 3.250 Bund 09           | 04.01.2020    | 2 / 4             | 22.0                   | 109.550                 | -0.68 | -0.50        | 111.500       |
| DE000 103052 6 | 1.750 Bund 09 index.    | 15.04.2020    | 2 / 8             | 16.0                   | 108.440                 | -1.33 | -            | 121.389       |
| DE000 114171 1 | 0.000 BO S 171          | 17.04.2020    | 2 / 8             | 20.0                   | 101.750                 | -0.64 | -0.47        | 101.750       |
| DE000 113540 8 | 3.000 Bund 10           | 04.07.2020    | 2 / 10            | 22.0                   | 110.650                 | -0.63 | -0.46        | 110.962       |
| DE000 113541 6 | 2.250 Bund 10           | 04.09.2020    | 3 / 0             | 16.0                   | 108.870                 | -0.61 | -0.44        | 110.972       |
| DE000 114172 9 | 0.250 BO S 172          | 16.10.2020    | 3 / 2             | 19.0                   | 102.690                 | -0.59 | -0.43        | 102.895       |
| DE000 113542 4 | 2.500 Bund 10           | 04.01.2021    | 3 / 4             | 19.0                   | 110.520                 | -0.56 | -0.41        | 112.020       |
| DE000 114173 7 | 0.000 BO S 173          | 09.04.2021    | 3 / 8             | 21.0                   | 101.900                 | -0.51 | -0.38        | 101.900       |
| DE000 113544 0 | 3.250 Bund 11           | 04.07.2021    | 3 / 10            | 19.0                   | 114.750                 | -0.49 | -0.36        | 115.088       |
| DE000 113545 7 | 2.250 Bund 11           | 04.09.2021    | 4 / 0             | 16.0                   | 111.160                 | -0.46 | -0.34        | 113.262       |
| DE000 114174 5 | 0.000 BO S 174          | 08.10.2021    | 4 / 1             | 19.0                   | 101.800                 | -0.43 | -0.31        | 101.800       |
| DE000 113546 5 | 2.000 Bund 11           | 04.01.2022    | 4 / 4             | 20.0                   | 110.690                 | -0.40 | -0.29        | 111.890       |
| DE000 114175 2 | 0.000 BO S 175          | 08.04.2022    | 4 / 7             | 18.0                   | 101.650                 | -0.35 | -0.26        | 101.650       |
| DE000 113547 3 | 1.750 Bund 12           | 04.07.2022    | 4 / 10            | 24.0                   | 110.290                 | -0.33 | -0.24        | 110.472       |
| DE000 113549 9 | 1.500 Bund 12           | 04.09.2022    | 5 / 0             | 18.0                   | 109.210                 | -0.30 | -0.22        | 110.611       |
| DE000 114176 0 | 0.000 BO S 176          | 07.10.2022    | 5 / 1             | 8.0                    | 101.340                 | -0.26 | -0.19        | 101.340       |
| DE000 110230 9 | 1.500 Bund 13           | 15.02.2023    | 5 / 6             | 18.0                   | 109.595                 | -0.23 | -0.17        | 110.322       |
| DE000 103054 2 | 0.100 Bund 12 index.    | 15.04.2023    | 5 / 8             | 16.0                   | 107.700                 | -1.20 | 0.00         | 113.392       |
| DE000 110231 7 | 1.500 Bund 13 II        | 15.05.2023    | 5 / 9             | 18.0                   | 109.818                 | -0.19 | -0.14        | 110.180       |
| DE000 110232 5 | 2.000 Bund 13           | 15.08.2023    | 6 / 0             | 18.0                   | 113.040                 | -0.16 | -0.11        | 115.018       |
| DE000 113492 2 | 6.250 Bund 94           | 04.01.2024    | 6 / 4             | 10.3                   | 140.738                 | -0.09 | -0.07        | 144.488       |
| DE000 110233 3 | 1.750 Bund 14           | 15.02.2024    | 6 / 6             | 18.0                   | 112.056                 | -0.09 | -0.07        | 112.905       |
| DE000 110235 8 | 1.500 Bund 14           | 15.05.2024    | 6 / 9             | 18.0                   | 110.538                 | -0.06 | -0.04        | 110.900       |
| DE000 110236 6 | 1.000 Bund 14           | 15.08.2024    | 7 / 0             | 18.0                   | 107.145                 | -0.02 | -0.01        | 108.134       |
| DE000 110237 4 | 0.500 Bund 15           | 15.02.2025    | 7 / 6             | 23.0                   | 103.267                 | 0.06  | 0.05         | 103.509       |
| DE000 110238 2 | 1.000 Bund 15           | 15.08.2025    | 8 / 0             | 23.0                   | 106.921                 | 0.13  | 0.10         | 107.910       |
| DE000 110239 0 | 0.500 Bund 16           | 15.02.2026    | 8 / 6             | 26.0                   | 102.430                 | 0.21  | 0.16         | 102.672       |
| DE000 103056 7 | 0.100 Bund 15 index.    | 15.04.2026    | 8 / 8             | 11.0                   | 109.400                 | -0.93 | -0.68        | 112.105       |
| DE000 110240 8 | 0.000 Bund 16           | 15.08.2026    | 9 / 0             | 25.0                   | 97.417                  | 0.29  | 0.21         | 97.417        |
| DE000 110241 6 | 0.250 Bund 17           | 15.02.2027    | 9 / 6             | 26.0                   | 98.936                  | 0.36  | 0.27         | 99.080        |
| DE000 113504 4 | 6.500 Bund 97           | 04.07.2027    | 9 / 10            | 11.3                   | 159.918                 | 0.33  | 0.23         | 160.595       |
| DE000 110242 4 | 0.500 Bund 17           | 15.08.2027    | 10 / 0            | 8.0                    | 100.676                 | 0.43  | 0.32         | 100.714       |
| DE000 113506 9 | 5.625 Bund 98           | 04.01.2028    | 10 / 4            | 14.5                   | 153.240                 | 0.39  | 0.27         | 156.615       |
| DE000 113508 5 | 4.750 Bund 98 II        | 04.07.2028    | 10 / 10           | 11.3                   | 145.680                 | 0.45  | 0.31         | 146.175       |
| DE000 113514 3 | 6.250 Bund 00           | 04.01.2030    | 12 / 4            | 9.3                    | 168.105                 | 0.55  | 0.38         | 171.855       |
| DE000 103055 9 | 0.500 Bund 14 index.    | 15.04.2030    | 12 / 8            | 9.0                    | 114.730                 | -0.61 | -            | 118.009       |
| DE000 113517 6 | 5.500 Bund 00           | 04.01.2031    | 13 / 4            | 17.0                   | 162.445                 | 0.63  | 0.44         | 165.745       |
| DE000 113522 6 | 4.750 Bund 03           | 04.07.2034    | 16 / 10           | 20.0                   | 162.195                 | 0.80  | 0.56         | 162.690       |
| DE000 113527 5 | 4.000 Bund 05           | 04.01.2037    | 19 / 4            | 23.0                   | 154.990                 | 0.90  | 0.63         | 157.390       |
| DE000 113532 5 | 4.250 Bund 07           | 04.07.2039    | 21 / 10           | 14.0                   | 164.295                 | 0.97  | 0.68         | 164.737       |
| DE000 113536 6 | 4.750 Bund 08           | 04.07.2040    | 22 / 10           | 16.0                   | 176.645                 | 0.99  | 0.69         | 177.140       |
| DE000 113543 2 | 3.250 Bund 10           | 04.07.2042    | 24 / 10           | 15.0                   | 147.115                 | 1.08  | 0.76         | 147.453       |
| DE000 113548 1 | 2.500 Bund 12           | 04.07.2044    | 26 / 10           | 22.0                   | 131.180                 | 1.15  | 0.82         | 131.440       |
| DE000 103057 5 | 0.100 Bund 15 index. II | 15.04.2046    | 28 / 8            | 6.0                    | 113.570                 | -0.35 | -            | 117.250       |
| DE000 110234 1 | 2.500 Bund 14           | 15.08.2046    | 29 / 0            | 23.0                   | 132.375                 | 1.18  | 0.84         | 134.848       |

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) Net yield after deduction of withholding tax and solidarity surcharge (26.375% in total); deductions for church tax are not included.

5) 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 10.08.17**

| ISIN 1)        | Issue 2) 5)             | Maturity date | Residual life y/m | Issue volume € billion | Price 3) as of 10.08.17 | Yield | Net yield 4) | "Dirty price" |
|----------------|-------------------------|---------------|-------------------|------------------------|-------------------------|-------|--------------|---------------|
| DE000 110461 0 | 0.000 BSA 15 III        | 15.09.2017    | 0 / 1             | 13.0                   | 100.059                 | -0.67 | -0.50        | 100.059       |
| DE000 114164 6 | 0.500 BO S 164          | 13.10.2017    | 0 / 2             | 16.0                   | 100.196                 | -0.69 | -0.51        | 100.614       |
| DE000 110462 8 | 0.000 BSA 15 IV         | 15.12.2017    | 0 / 4             | 13.0                   | 100.244                 | -0.72 | -0.53        | 100.244       |
| DE000 113534 1 | 4.000 Bund 07           | 04.01.2018    | 0 / 4             | 20.0                   | 101.865                 | -0.73 | -0.54        | 104.298       |
| DE000 114165 3 | 0.500 BO S 165          | 23.02.2018    | 0 / 6             | 17.0                   | 100.648                 | -0.72 | -0.53        | 100.884       |
| DE000 110463 6 | 0.000 BSA 16            | 16.03.2018    | 0 / 7             | 13.0                   | 100.419                 | -0.71 | -0.52        | 100.419       |
| DE000 114166 1 | 0.250 BO S 166          | 13.04.2018    | 0 / 8             | 17.0                   | 100.639                 | -0.71 | -0.52        | 100.723       |
| DE000 103053 4 | 0.750 BO 11 index.      | 15.04.2018    | 0 / 8             | 15.0                   | 100.500                 | 0.00  | -            | 108.841       |
| DE000 110464 4 | 0.000 BSA 16 II         | 15.06.2018    | 0 / 10            | 14.0                   | 100.587                 | -0.70 | -0.51        | 100.587       |
| DE000 113535 8 | 4.250 Bund 08           | 04.07.2018    | 0 / 10            | 21.0                   | 104.434                 | -0.71 | -0.52        | 104.911       |
| DE000 110465 1 | 0.000 BSA 16 III        | 14.09.2018    | 1 / 1             | 13.0                   | 100.775                 | -0.71 | -0.52        | 100.775       |
| DE000 114167 9 | 1.000 BO S 167          | 12.10.2018    | 1 / 2             | 17.0                   | 102.021                 | -0.73 | -0.53        | 102.859       |
| DE000 110466 9 | 0.000 BSA 16 IV         | 14.12.2018    | 1 / 4             | 13.0                   | 100.964                 | -0.72 | -0.53        | 100.964       |
| DE000 113537 4 | 3.750 Bund 08           | 04.01.2019    | 1 / 4             | 24.0                   | 106.295                 | -0.73 | -0.54        | 108.576       |
| DE000 114168 7 | 1.000 BO S 168          | 22.02.2019    | 1 / 6             | 16.0                   | 102.657                 | -0.72 | -0.53        | 103.131       |
| DE000 110467 7 | 0.000 BSA 17            | 15.03.2019    | 1 / 7             | 13.0                   | 101.133                 | -0.71 | -0.52        | 101.133       |
| DE000 114169 5 | 0.500 BO S 169          | 12.04.2019    | 1 / 8             | 16.0                   | 102.048                 | -0.72 | -0.53        | 102.218       |
| DE000 110468 5 | 0.000 BSA 17 II         | 14.06.2019    | 1 / 10            | 13.0                   | 101.280                 | -0.69 | -0.51        | 101.280       |
| DE000 113538 2 | 3.500 Bund 09           | 04.07.2019    | 1 / 10            | 24.0                   | 108.030                 | -0.71 | -0.52        | 108.423       |
| DE000 114170 3 | 0.250 BO S 170          | 11.10.2019    | 2 / 2             | 16.0                   | 102.060                 | -0.69 | -0.51        | 102.270       |
| DE000 113539 0 | 3.250 Bund 09           | 04.01.2020    | 2 / 4             | 22.0                   | 109.500                 | -0.68 | -0.49        | 111.477       |
| DE000 103052 6 | 1.750 Bund 09 index.    | 15.04.2020    | 2 / 8             | 16.0                   | 108.350                 | -1.30 | -            | 121.307       |
| DE000 114171 1 | 0.000 BO S 171          | 17.04.2020    | 2 / 8             | 20.0                   | 101.730                 | -0.64 | -0.47        | 101.730       |
| DE000 113540 8 | 3.000 Bund 10           | 04.07.2020    | 2 / 10            | 22.0                   | 110.600                 | -0.63 | -0.46        | 110.937       |
| DE000 113541 6 | 2.250 Bund 10           | 04.09.2020    | 3 / 0             | 16.0                   | 108.840                 | -0.61 | -0.44        | 110.961       |
| DE000 114172 9 | 0.250 BO S 172          | 16.10.2020    | 3 / 2             | 19.0                   | 102.670                 | -0.58 | -0.43        | 102.877       |
| DE000 113542 4 | 2.500 Bund 10           | 04.01.2021    | 3 / 4             | 19.0                   | 110.490                 | -0.55 | -0.40        | 112.011       |
| DE000 114173 7 | 0.000 BO S 173          | 09.04.2021    | 3 / 7             | 21.0                   | 101.910                 | -0.52 | -0.38        | 101.910       |
| DE000 113544 0 | 3.250 Bund 11           | 04.07.2021    | 3 / 10            | 19.0                   | 114.730                 | -0.49 | -0.36        | 115.095       |
| DE000 113545 7 | 2.250 Bund 11           | 04.09.2021    | 4 / 0             | 16.0                   | 111.150                 | -0.47 | -0.34        | 113.271       |
| DE000 114174 5 | 0.000 BO S 174          | 08.10.2021    | 4 / 1             | 19.0                   | 101.810                 | -0.43 | -0.32        | 101.810       |
| DE000 113546 5 | 2.000 Bund 11           | 04.01.2022    | 4 / 4             | 20.0                   | 110.700                 | -0.41 | -0.30        | 111.916       |
| DE000 114175 2 | 0.000 BO S 175          | 08.04.2022    | 4 / 7             | 18.0                   | 101.660                 | -0.35 | -0.26        | 101.660       |
| DE000 113547 3 | 1.750 Bund 12           | 04.07.2022    | 4 / 10            | 24.0                   | 110.300                 | -0.34 | -0.25        | 110.497       |
| DE000 113549 9 | 1.500 Bund 12           | 04.09.2022    | 5 / 0             | 18.0                   | 109.230                 | -0.31 | -0.22        | 110.644       |
| DE000 114176 0 | 0.000 BO S 176          | 07.10.2022    | 5 / 1             | 8.0                    | 101.370                 | -0.26 | -0.19        | 101.370       |
| DE000 110230 9 | 1.500 Bund 13           | 15.02.2023    | 5 / 6             | 18.0                   | 109.590                 | -0.23 | -0.17        | 110.330       |
| DE000 103054 2 | 0.100 Bund 12 index.    | 15.04.2023    | 5 / 8             | 16.0                   | 107.670                 | -1.20 | 0.00         | 113.363       |
| DE000 110231 7 | 1.500 Bund 13 II        | 15.05.2023    | 5 / 9             | 18.0                   | 109.830                 | -0.20 | -0.14        | 110.204       |
| DE000 110232 5 | 2.000 Bund 13           | 15.08.2023    | 6 / 0             | 18.0                   | 113.050                 | -0.16 | -0.12        | 115.045       |
| DE000 113492 2 | 6.250 Bund 94           | 04.01.2024    | 6 / 4             | 10.3                   | 140.710                 | -0.10 | -0.07        | 144.511       |
| DE000 110233 3 | 1.750 Bund 14           | 15.02.2024    | 6 / 6             | 18.0                   | 112.070                 | -0.10 | -0.07        | 112.933       |
| DE000 110235 8 | 1.500 Bund 14           | 15.05.2024    | 6 / 9             | 18.0                   | 110.560                 | -0.06 | -0.04        | 110.934       |
| DE000 110236 6 | 1.000 Bund 14           | 15.08.2024    | 7 / 0             | 18.0                   | 107.170                 | -0.02 | -0.02        | 108.167       |
| DE000 110237 4 | 0.500 Bund 15           | 15.02.2025    | 7 / 6             | 23.0                   | 103.310                 | 0.06  | 0.04         | 103.557       |
| DE000 110238 2 | 1.000 Bund 15           | 15.08.2025    | 8 / 0             | 23.0                   | 106.960                 | 0.13  | 0.09         | 107.957       |
| DE000 110239 0 | 0.500 Bund 16           | 15.02.2026    | 8 / 6             | 26.0                   | 102.490                 | 0.20  | 0.15         | 102.737       |
| DE000 103056 7 | 0.100 Bund 15 index.    | 15.04.2026    | 8 / 8             | 11.0                   | 109.500                 | -0.95 | -0.69        | 112.210       |
| DE000 110240 8 | 0.000 Bund 16           | 15.08.2026    | 9 / 0             | 25.0                   | 97.470                  | 0.29  | 0.21         | 97.470        |
| DE000 110241 6 | 0.250 Bund 17           | 15.02.2027    | 9 / 6             | 26.0                   | 98.990                  | 0.36  | 0.26         | 99.136        |
| DE000 113504 4 | 6.500 Bund 97           | 04.07.2027    | 9 / 10            | 11.3                   | 159.940                 | 0.33  | 0.23         | 160.670       |
| DE000 110242 4 | 0.500 Bund 17           | 15.08.2027    | 10 / 0            | 8.0                    | 100.710                 | 0.43  | 0.31         | 100.752       |
| DE000 113506 9 | 5.625 Bund 98           | 04.01.2028    | 10 / 4            | 14.5                   | 153.260                 | 0.39  | 0.27         | 156.681       |
| DE000 113508 5 | 4.750 Bund 98 II        | 04.07.2028    | 10 / 10           | 11.3                   | 145.710                 | 0.44  | 0.31         | 146.244       |
| DE000 113514 3 | 6.250 Bund 00           | 04.01.2030    | 12 / 4            | 9.3                    | 168.150                 | 0.55  | 0.38         | 171.951       |
| DE000 103055 9 | 0.500 Bund 14 index.    | 15.04.2030    | 12 / 8            | 9.0                    | 114.750                 | -0.62 | -            | 118.036       |
| DE000 113517 6 | 5.500 Bund 00           | 04.01.2031    | 13 / 4            | 17.0                   | 162.500                 | 0.62  | 0.43         | 165.845       |
| DE000 113522 6 | 4.750 Bund 03           | 04.07.2034    | 16 / 10           | 20.0                   | 162.400                 | 0.79  | 0.55         | 162.934       |
| DE000 113527 5 | 4.000 Bund 05           | 04.01.2037    | 19 / 4            | 23.0                   | 155.200                 | 0.89  | 0.62         | 157.633       |
| DE000 113532 5 | 4.250 Bund 07           | 04.07.2039    | 21 / 10           | 14.0                   | 164.600                 | 0.96  | 0.67         | 165.077       |
| DE000 113536 6 | 4.750 Bund 08           | 04.07.2040    | 22 / 10           | 16.0                   | 176.950                 | 0.98  | 0.68         | 177.484       |
| DE000 113543 2 | 3.250 Bund 10           | 04.07.2042    | 24 / 10           | 15.0                   | 147.450                 | 1.07  | 0.75         | 147.815       |
| DE000 113548 1 | 2.500 Bund 12           | 04.07.2044    | 26 / 10           | 22.0                   | 131.500                 | 1.13  | 0.81         | 131.781       |
| DE000 103057 5 | 0.100 Bund 15 index. II | 15.04.2046    | 28 / 8            | 6.0                    | 113.850                 | -0.36 | -            | 117.542       |
| DE000 110234 1 | 2.500 Bund 14           | 15.08.2046    | 29 / 0            | 23.0                   | 132.750                 | 1.16  | 0.83         | 135.243       |

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) Net yield after deduction of withholding tax and solidarity surcharge (26.375% in total); deductions for church tax are not included.

5) 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 11.08.17**

| ISIN 1)        | Issue 2) 5)             | Maturity date | Residual life y/m | Issue volume € billion | Price 3) as of 11.08.17 | Yield | Net yield 4) | "Dirty price" |
|----------------|-------------------------|---------------|-------------------|------------------------|-------------------------|-------|--------------|---------------|
| DE000 110461 0 | 0.000 BSA 15 III        | 15.09.2017    | 0 / 1             | 13.0                   | 100.059                 | -0.67 | -0.50        | 100.059       |
| DE000 114164 6 | 0.500 BO S 164          | 13.10.2017    | 0 / 2             | 16.0                   | 100.193                 | -0.67 | -0.49        | 100.611       |
| DE000 110462 8 | 0.000 BSA 15 IV         | 15.12.2017    | 0 / 4             | 13.0                   | 100.247                 | -0.73 | -0.54        | 100.247       |
| DE000 113534 1 | 4.000 Bund 07           | 04.01.2018    | 0 / 4             | 20.0                   | 101.855                 | -0.70 | -0.52        | 104.288       |
| DE000 114165 3 | 0.500 BO S 165          | 23.02.2018    | 0 / 6             | 17.0                   | 100.649                 | -0.72 | -0.53        | 100.885       |
| DE000 110463 6 | 0.000 BSA 16            | 16.03.2018    | 0 / 7             | 13.0                   | 100.426                 | -0.72 | -0.53        | 100.426       |
| DE000 114166 1 | 0.250 BO S 166          | 13.04.2018    | 0 / 8             | 17.0                   | 100.644                 | -0.72 | -0.53        | 100.728       |
| DE000 103053 4 | 0.750 BO 11 index.      | 15.04.2018    | 0 / 8             | 15.0                   | 100.530                 | -0.04 | -            | 108.873       |
| DE000 110464 4 | 0.000 BSA 16 II         | 15.06.2018    | 0 / 10            | 14.0                   | 100.599                 | -0.71 | -0.52        | 100.599       |
| DE000 113535 8 | 4.250 Bund 08           | 04.07.2018    | 0 / 10            | 21.0                   | 104.435                 | -0.71 | -0.52        | 104.912       |
| DE000 110465 1 | 0.000 BSA 16 III        | 14.09.2018    | 1 / 1             | 13.0                   | 100.799                 | -0.73 | -0.54        | 100.799       |
| DE000 114167 9 | 1.000 BO S 167          | 12.10.2018    | 1 / 2             | 17.0                   | 102.047                 | -0.75 | -0.55        | 102.885       |
| DE000 110466 9 | 0.000 BSA 16 IV         | 14.12.2018    | 1 / 4             | 13.0                   | 100.999                 | -0.74 | -0.55        | 100.999       |
| DE000 113537 4 | 3.750 Bund 08           | 04.01.2019    | 1 / 4             | 24.0                   | 106.321                 | -0.75 | -0.55        | 108.602       |
| DE000 114168 7 | 1.000 BO S 168          | 22.02.2019    | 1 / 6             | 16.0                   | 102.699                 | -0.75 | -0.55        | 103.173       |
| DE000 110467 7 | 0.000 BSA 17            | 15.03.2019    | 1 / 7             | 13.0                   | 101.176                 | -0.74 | -0.54        | 101.176       |
| DE000 114169 5 | 0.500 BO S 169          | 12.04.2019    | 1 / 8             | 16.0                   | 102.092                 | -0.75 | -0.55        | 102.262       |
| DE000 110468 5 | 0.000 BSA 17 II         | 14.06.2019    | 1 / 10            | 13.0                   | 101.330                 | -0.72 | -0.53        | 101.330       |
| DE000 113538 2 | 3.500 Bund 09           | 04.07.2019    | 1 / 10            | 24.0                   | 108.074                 | -0.73 | -0.54        | 108.467       |
| DE000 114170 3 | 0.250 BO S 170          | 11.10.2019    | 2 / 2             | 16.0                   | 102.110                 | -0.72 | -0.53        | 102.320       |
| DE000 113539 0 | 3.250 Bund 09           | 04.01.2020    | 2 / 4             | 22.0                   | 109.540                 | -0.69 | -0.51        | 111.517       |
| DE000 103052 6 | 1.750 Bund 09 index.    | 15.04.2020    | 2 / 8             | 16.0                   | 108.415                 | -1.33 | -            | 121.379       |
| DE000 114171 1 | 0.000 BO S 171          | 17.04.2020    | 2 / 8             | 20.0                   | 101.790                 | -0.66 | -0.49        | 101.790       |
| DE000 113540 8 | 3.000 Bund 10           | 04.07.2020    | 2 / 10            | 22.0                   | 110.645                 | -0.64 | -0.47        | 110.982       |
| DE000 113541 6 | 2.250 Bund 10           | 04.09.2020    | 3 / 0             | 16.0                   | 108.900                 | -0.62 | -0.46        | 111.021       |
| DE000 114172 9 | 0.250 BO S 172          | 16.10.2020    | 3 / 2             | 19.0                   | 102.745                 | -0.60 | -0.44        | 102.952       |
| DE000 113542 4 | 2.500 Bund 10           | 04.01.2021    | 3 / 4             | 19.0                   | 110.580                 | -0.58 | -0.42        | 112.101       |
| DE000 114173 7 | 0.000 BO S 173          | 09.04.2021    | 3 / 7             | 21.0                   | 102.010                 | -0.54 | -0.40        | 102.010       |
| DE000 113544 0 | 3.250 Bund 11           | 04.07.2021    | 3 / 10            | 19.0                   | 114.840                 | -0.52 | -0.38        | 115.205       |
| DE000 113545 7 | 2.250 Bund 11           | 04.09.2021    | 4 / 0             | 16.0                   | 111.270                 | -0.49 | -0.36        | 113.391       |
| DE000 114174 5 | 0.000 BO S 174          | 08.10.2021    | 4 / 1             | 19.0                   | 101.935                 | -0.46 | -0.34        | 101.935       |
| DE000 113546 5 | 2.000 Bund 11           | 04.01.2022    | 4 / 4             | 20.0                   | 110.825                 | -0.44 | -0.32        | 112.041       |
| DE000 114175 2 | 0.000 BO S 175          | 08.04.2022    | 4 / 7             | 18.0                   | 101.810                 | -0.39 | -0.28        | 101.810       |
| DE000 113547 3 | 1.750 Bund 12           | 04.07.2022    | 4 / 10            | 24.0                   | 110.460                 | -0.37 | -0.27        | 110.657       |
| DE000 113549 9 | 1.500 Bund 12           | 04.09.2022    | 5 / 0             | 18.0                   | 109.395                 | -0.34 | -0.25        | 110.809       |
| DE000 114176 0 | 0.000 BO S 176          | 07.10.2022    | 5 / 1             | 8.0                    | 101.545                 | -0.30 | -0.22        | 101.545       |
| DE000 110230 9 | 1.500 Bund 13           | 15.02.2023    | 5 / 6             | 18.0                   | 109.805                 | -0.27 | -0.19        | 110.545       |
| DE000 103054 2 | 0.100 Bund 12 index.    | 15.04.2023    | 5 / 8             | 16.0                   | 107.850                 | -1.23 | 0.00         | 113.552       |
| DE000 110231 7 | 1.500 Bund 13 II        | 15.05.2023    | 5 / 9             | 18.0                   | 110.050                 | -0.23 | -0.17        | 110.424       |
| DE000 110232 5 | 2.000 Bund 13           | 15.08.2023    | 6 / 0             | 18.0                   | 113.290                 | -0.20 | -0.14        | 115.285       |
| DE000 113492 2 | 6.250 Bund 94           | 04.01.2024    | 6 / 4             | 10.3                   | 141.010                 | -0.13 | -0.10        | 144.811       |
| DE000 110233 3 | 1.750 Bund 14           | 15.02.2024    | 6 / 6             | 18.0                   | 112.345                 | -0.14 | -0.10        | 113.208       |
| DE000 110235 8 | 1.500 Bund 14           | 15.05.2024    | 6 / 9             | 18.0                   | 110.840                 | -0.10 | -0.07        | 111.214       |
| DE000 110236 6 | 1.000 Bund 14           | 15.08.2024    | 7 / 0             | 18.0                   | 107.465                 | -0.06 | -0.05        | 108.462       |
| DE000 110237 4 | 0.500 Bund 15           | 15.02.2025    | 7 / 6             | 23.0                   | 103.640                 | 0.01  | 0.01         | 103.887       |
| DE000 110238 2 | 1.000 Bund 15           | 15.08.2025    | 8 / 0             | 23.0                   | 107.330                 | 0.08  | 0.06         | 108.327       |
| DE000 110239 0 | 0.500 Bund 16           | 15.02.2026    | 8 / 6             | 26.0                   | 102.895                 | 0.16  | 0.12         | 103.142       |
| DE000 103056 7 | 0.100 Bund 15 index.    | 15.04.2026    | 8 / 8             | 11.0                   | 109.795                 | -0.98 | -0.71        | 112.512       |
| DE000 110240 8 | 0.000 Bund 16           | 15.08.2026    | 9 / 0             | 25.0                   | 97.900                  | 0.24  | 0.17         | 97.900        |
| DE000 110241 6 | 0.250 Bund 17           | 15.02.2027    | 9 / 6             | 26.0                   | 99.440                  | 0.31  | 0.23         | 99.586        |
| DE000 113504 4 | 6.500 Bund 97           | 04.07.2027    | 9 / 10            | 11.3                   | 160.550                 | 0.28  | 0.20         | 161.280       |
| DE000 110242 4 | 0.500 Bund 17           | 15.08.2027    | 10 / 0            | 8.0                    | 101.190                 | 0.38  | 0.28         | 101.232       |
| DE000 113506 9 | 5.625 Bund 98           | 04.01.2028    | 10 / 4            | 14.5                   | 153.920                 | 0.34  | 0.24         | 157.341       |
| DE000 113508 5 | 4.750 Bund 98 II        | 04.07.2028    | 10 / 10           | 11.3                   | 146.370                 | 0.39  | 0.28         | 146.904       |
| DE000 113514 3 | 6.250 Bund 00           | 04.01.2030    | 12 / 4            | 9.3                    | 169.000                 | 0.50  | 0.34         | 172.801       |
| DE000 103055 9 | 0.500 Bund 14 index.    | 15.04.2030    | 12 / 8            | 9.0                    | 115.215                 | -0.65 | -            | 118.513       |
| DE000 113517 6 | 5.500 Bund 00           | 04.01.2031    | 13 / 4            | 17.0                   | 163.420                 | 0.57  | 0.40         | 166.765       |
| DE000 113522 6 | 4.750 Bund 03           | 04.07.2034    | 16 / 10           | 20.0                   | 163.490                 | 0.74  | 0.51         | 164.024       |
| DE000 113527 5 | 4.000 Bund 05           | 04.01.2037    | 19 / 4            | 23.0                   | 156.450                 | 0.83  | 0.58         | 158.883       |
| DE000 113532 5 | 4.250 Bund 07           | 04.07.2039    | 21 / 10           | 14.0                   | 166.060                 | 0.91  | 0.63         | 166.537       |
| DE000 113536 6 | 4.750 Bund 08           | 04.07.2040    | 22 / 10           | 16.0                   | 178.560                 | 0.93  | 0.64         | 179.094       |
| DE000 113543 2 | 3.250 Bund 10           | 04.07.2042    | 24 / 10           | 15.0                   | 148.980                 | 1.01  | 0.71         | 149.345       |
| DE000 113548 1 | 2.500 Bund 12           | 04.07.2044    | 26 / 10           | 22.0                   | 132.970                 | 1.08  | 0.77         | 133.251       |
| DE000 103057 5 | 0.100 Bund 15 index. II | 15.04.2046    | 28 / 8            | 6.0                    | 115.300                 | -0.40 | -            | 119.039       |
| DE000 110234 1 | 2.500 Bund 14           | 15.08.2046    | 29 / 0            | 23.0                   | 134.270                 | 1.11  | 0.79         | 136.763       |

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) Net yield after deduction of withholding tax and solidarity surcharge (26.375% in total); deductions for church tax are not included.

5) 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 14.08.17**

| ISIN 1)        | Issue 2) 5)             | Maturity date | Residual life y/m | Issue volume € billion | Price 3) as of 14.08.17 | Yield | Net yield 4) | "Dirty price" |
|----------------|-------------------------|---------------|-------------------|------------------------|-------------------------|-------|--------------|---------------|
| DE000 110461 0 | 0.000 BSA 15 III        | 15.09.2017    | 0 / 1             | 13.0                   | 100.056                 | -0.68 | -0.50        | 100.056       |
| DE000 114164 6 | 0.500 BO S 164          | 13.10.2017    | 0 / 1             | 16.0                   | 100.188                 | -0.68 | -0.50        | 100.609       |
| DE000 110462 8 | 0.000 BSA 15 IV         | 15.12.2017    | 0 / 4             | 13.0                   | 100.246                 | -0.74 | -0.55        | 100.246       |
| DE000 113534 1 | 4.000 Bund 07           | 04.01.2018    | 0 / 4             | 20.0                   | 101.841                 | -0.73 | -0.54        | 104.296       |
| DE000 114165 3 | 0.500 BO S 165          | 23.02.2018    | 0 / 6             | 17.0                   | 100.646                 | -0.73 | -0.54        | 100.884       |
| DE000 110463 6 | 0.000 BSA 16            | 16.03.2018    | 0 / 7             | 13.0                   | 100.421                 | -0.72 | -0.53        | 100.421       |
| DE000 114166 1 | 0.250 BO S 166          | 13.04.2018    | 0 / 7             | 17.0                   | 100.643                 | -0.72 | -0.53        | 100.729       |
| DE000 103053 4 | 0.750 BO 11 index.      | 15.04.2018    | 0 / 8             | 15.0                   | 100.520                 | -0.03 | -            | 108.868       |
| DE000 110464 4 | 0.000 BSA 16 II         | 15.06.2018    | 0 / 10            | 14.0                   | 100.600                 | -0.72 | -0.53        | 100.600       |
| DE000 113535 8 | 4.250 Bund 08           | 04.07.2018    | 0 / 10            | 21.0                   | 104.424                 | -0.73 | -0.54        | 104.925       |
| DE000 110465 1 | 0.000 BSA 16 III        | 14.09.2018    | 1 / 1             | 13.0                   | 100.797                 | -0.73 | -0.54        | 100.797       |
| DE000 114167 9 | 1.000 BO S 167          | 12.10.2018    | 1 / 1             | 17.0                   | 102.041                 | -0.75 | -0.55        | 102.885       |
| DE000 110466 9 | 0.000 BSA 16 IV         | 14.12.2018    | 1 / 4             | 13.0                   | 100.996                 | -0.74 | -0.55        | 100.996       |
| DE000 113537 4 | 3.750 Bund 08           | 04.01.2019    | 1 / 4             | 24.0                   | 106.307                 | -0.76 | -0.56        | 108.608       |
| DE000 114168 7 | 1.000 BO S 168          | 22.02.2019    | 1 / 6             | 16.0                   | 102.694                 | -0.75 | -0.55        | 103.173       |
| DE000 110467 7 | 0.000 BSA 17            | 15.03.2019    | 1 / 7             | 13.0                   | 101.173                 | -0.74 | -0.54        | 101.173       |
| DE000 114169 5 | 0.500 BO S 169          | 12.04.2019    | 1 / 7             | 16.0                   | 102.086                 | -0.75 | -0.55        | 102.259       |
| DE000 110468 5 | 0.000 BSA 17 II         | 14.06.2019    | 1 / 10            | 13.0                   | 101.324                 | -0.72 | -0.53        | 101.324       |
| DE000 113538 2 | 3.500 Bund 09           | 04.07.2019    | 1 / 10            | 24.0                   | 108.056                 | -0.73 | -0.54        | 108.468       |
| DE000 114170 3 | 0.250 BO S 170          | 11.10.2019    | 2 / 1             | 16.0                   | 102.090                 | -0.71 | -0.52        | 102.302       |
| DE000 113539 0 | 3.250 Bund 09           | 04.01.2020    | 2 / 4             | 22.0                   | 109.515                 | -0.69 | -0.50        | 111.510       |
| DE000 103052 6 | 1.750 Bund 09 index.    | 15.04.2020    | 2 / 8             | 16.0                   | 108.310                 | -1.30 | -            | 121.275       |
| DE000 114171 1 | 0.000 BO S 171          | 17.04.2020    | 2 / 8             | 20.0                   | 101.760                 | -0.65 | -0.48        | 101.760       |
| DE000 113540 8 | 3.000 Bund 10           | 04.07.2020    | 2 / 10            | 22.0                   | 110.610                 | -0.64 | -0.46        | 110.963       |
| DE000 113541 6 | 2.250 Bund 10           | 04.09.2020    | 3 / 0             | 16.0                   | 108.855                 | -0.62 | -0.45        | 110.988       |
| DE000 114172 9 | 0.250 BO S 172          | 16.10.2020    | 3 / 2             | 19.0                   | 102.710                 | -0.60 | -0.44        | 102.918       |
| DE000 113542 4 | 2.500 Bund 10           | 04.01.2021    | 3 / 4             | 19.0                   | 110.530                 | -0.57 | -0.42        | 112.064       |
| DE000 114173 7 | 0.000 BO S 173          | 09.04.2021    | 3 / 7             | 21.0                   | 101.960                 | -0.53 | -0.39        | 101.960       |
| DE000 113544 0 | 3.250 Bund 11           | 04.07.2021    | 3 / 10            | 19.0                   | 114.780                 | -0.51 | -0.37        | 115.163       |
| DE000 113545 7 | 2.250 Bund 11           | 04.09.2021    | 4 / 0             | 16.0                   | 111.200                 | -0.48 | -0.35        | 113.333       |
| DE000 114174 5 | 0.000 BO S 174          | 08.10.2021    | 4 / 1             | 19.0                   | 101.875                 | -0.45 | -0.33        | 101.875       |
| DE000 113546 5 | 2.000 Bund 11           | 04.01.2022    | 4 / 4             | 20.0                   | 110.740                 | -0.42 | -0.31        | 111.967       |
| DE000 114175 2 | 0.000 BO S 175          | 08.04.2022    | 4 / 7             | 18.0                   | 101.730                 | -0.37 | -0.27        | 101.730       |
| DE000 113547 3 | 1.750 Bund 12           | 04.07.2022    | 4 / 10            | 24.0                   | 110.350                 | -0.35 | -0.25        | 110.556       |
| DE000 113549 9 | 1.500 Bund 12           | 04.09.2022    | 5 / 0             | 18.0                   | 109.280                 | -0.32 | -0.23        | 110.702       |
| DE000 114176 0 | 0.000 BO S 176          | 07.10.2022    | 5 / 1             | 8.0                    | 101.430                 | -0.28 | -0.20        | 101.430       |
| DE000 110230 9 | 1.500 Bund 13           | 15.02.2023    | 5 / 6             | 18.0                   | 109.665                 | -0.24 | -0.18        | 110.413       |
| DE000 103054 2 | 0.100 Bund 12 index.    | 15.04.2023    | 5 / 8             | 16.0                   | 107.680                 | -1.20 | 0.00         | 113.375       |
| DE000 110231 7 | 1.500 Bund 13 II        | 15.05.2023    | 5 / 9             | 18.0                   | 109.895                 | -0.21 | -0.15        | 110.277       |
| DE000 110232 5 | 2.000 Bund 13           | 15.08.2023    | 6 / 0             | 18.0                   | 113.115                 | -0.17 | -0.13        | 113.120       |
| DE000 113492 2 | 6.250 Bund 94           | 04.01.2024    | 6 / 4             | 10.3                   | 140.740                 | -0.10 | -0.07        | 144.576       |
| DE000 110233 3 | 1.750 Bund 14           | 15.02.2024    | 6 / 6             | 18.0                   | 112.145                 | -0.11 | -0.08        | 113.018       |
| DE000 110235 8 | 1.500 Bund 14           | 15.05.2024    | 6 / 9             | 18.0                   | 110.630                 | -0.07 | -0.05        | 111.012       |
| DE000 110236 6 | 1.000 Bund 14           | 15.08.2024    | 7 / 0             | 18.0                   | 107.235                 | -0.03 | -0.02        | 107.238       |
| DE000 110237 4 | 0.500 Bund 15           | 15.02.2025    | 7 / 6             | 23.0                   | 103.375                 | 0.05  | 0.04         | 103.624       |
| DE000 110238 2 | 1.000 Bund 15           | 15.08.2025    | 8 / 0             | 23.0                   | 107.020                 | 0.12  | 0.09         | 107.023       |
| DE000 110239 0 | 0.500 Bund 16           | 15.02.2026    | 8 / 6             | 26.0                   | 102.550                 | 0.20  | 0.14         | 102.799       |
| DE000 103056 7 | 0.100 Bund 15 index.    | 15.04.2026    | 8 / 8             | 11.0                   | 109.360                 | -0.93 | -0.68        | 112.068       |
| DE000 110240 8 | 0.000 Bund 16           | 15.08.2026    | 9 / 0             | 25.0                   | 97.520                  | 0.28  | 0.21         | 97.520        |
| DE000 110241 6 | 0.250 Bund 17           | 15.02.2027    | 9 / 6             | 26.0                   | 99.040                  | 0.35  | 0.26         | 99.187        |
| DE000 113504 4 | 6.500 Bund 97           | 04.07.2027    | 9 / 10            | 11.3                   | 159.960                 | 0.32  | 0.23         | 160.726       |
| DE000 110242 4 | 0.500 Bund 17           | 15.08.2027    | 10 / 0            | 8.0                    | 100.750                 | 0.42  | 0.31         | 100.795       |
| DE000 113506 9 | 5.625 Bund 98           | 04.01.2028    | 10 / 4            | 14.5                   | 153.310                 | 0.38  | 0.27         | 156.762       |
| DE000 113508 5 | 4.750 Bund 98 II        | 04.07.2028    | 10 / 10           | 11.3                   | 145.740                 | 0.44  | 0.31         | 146.300       |
| DE000 113514 3 | 6.250 Bund 00           | 04.01.2030    | 12 / 4            | 9.3                    | 168.210                 | 0.54  | 0.38         | 172.046       |
| DE000 103055 9 | 0.500 Bund 14 index.    | 15.04.2030    | 12 / 8            | 9.0                    | 114.410                 | -0.59 | -            | 117.692       |
| DE000 113517 6 | 5.500 Bund 00           | 04.01.2031    | 13 / 4            | 17.0                   | 162.570                 | 0.62  | 0.43         | 165.945       |
| DE000 113522 6 | 4.750 Bund 03           | 04.07.2034    | 16 / 10           | 20.0                   | 162.420                 | 0.79  | 0.55         | 162.980       |
| DE000 113527 5 | 4.000 Bund 05           | 04.01.2037    | 19 / 4            | 23.0                   | 155.250                 | 0.89  | 0.62         | 157.705       |
| DE000 113532 5 | 4.250 Bund 07           | 04.07.2039    | 21 / 10           | 14.0                   | 164.650                 | 0.96  | 0.67         | 165.151       |
| DE000 113536 6 | 4.750 Bund 08           | 04.07.2040    | 22 / 10           | 16.0                   | 177.000                 | 0.98  | 0.68         | 177.560       |
| DE000 113543 2 | 3.250 Bund 10           | 04.07.2042    | 24 / 10           | 15.0                   | 147.520                 | 1.07  | 0.75         | 147.903       |
| DE000 113548 1 | 2.500 Bund 12           | 04.07.2044    | 26 / 10           | 22.0                   | 131.510                 | 1.13  | 0.81         | 131.805       |
| DE000 103057 5 | 0.100 Bund 15 index. II | 15.04.2046    | 28 / 8            | 6.0                    | 113.450                 | -0.35 | -            | 117.132       |
| DE000 110234 1 | 2.500 Bund 14           | 15.08.2046    | 29 / 0            | 23.0                   | 132.680                 | 1.17  | 0.83         | 132.687       |

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3) Bundesbank reference price on the Frankfurt Stock Exchange

4) Net yield after deduction of withholding tax and solidarity surcharge (26.375% in total); deductions for church tax are not included.

5) 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 15.08.17**

| ISIN 1)        | Issue 2) 5)             | Maturity date | Residual life y/m | Issue volume € billion | Price 3) as of 15.08.17 | Yield | Net yield 4) | "Dirty price" |
|----------------|-------------------------|---------------|-------------------|------------------------|-------------------------|-------|--------------|---------------|
| DE000 110461 0 | 0.000 BSA 15 III        | 15.09.2017    | 0 / 1             | 13.0                   | 100.054                 | -0.68 | -0.50        | 100.054       |
| DE000 114164 6 | 0.500 BO S 164          | 13.10.2017    | 0 / 1             | 16.0                   | 100.188                 | -0.70 | -0.52        | 100.610       |
| DE000 110462 8 | 0.000 BSA 15 IV         | 15.12.2017    | 0 / 4             | 13.0                   | 100.242                 | -0.73 | -0.54        | 100.242       |
| DE000 113534 1 | 4.000 Bund 07           | 04.01.2018    | 0 / 4             | 20.0                   | 101.828                 | -0.73 | -0.54        | 104.294       |
| DE000 114165 3 | 0.500 BO S 165          | 23.02.2018    | 0 / 6             | 17.0                   | 100.642                 | -0.73 | -0.54        | 100.882       |
| DE000 110463 6 | 0.000 BSA 16            | 16.03.2018    | 0 / 7             | 13.0                   | 100.421                 | -0.73 | -0.53        | 100.421       |
| DE000 114166 1 | 0.250 BO S 166          | 13.04.2018    | 0 / 7             | 17.0                   | 100.639                 | -0.72 | -0.53        | 100.725       |
| DE000 103053 4 | 0.750 BO 11 index.      | 15.04.2018    | 0 / 8             | 15.0                   | 100.510                 | -0.02 | -            | 108.860       |
| DE000 110464 4 | 0.000 BSA 16 II         | 15.06.2018    | 0 / 10            | 14.0                   | 100.598                 | -0.72 | -0.53        | 100.598       |
| DE000 113535 8 | 4.250 Bund 08           | 04.07.2018    | 0 / 10            | 21.0                   | 104.410                 | -0.73 | -0.54        | 104.922       |
| DE000 110465 1 | 0.000 BSA 16 III        | 14.09.2018    | 1 / 0             | 13.0                   | 100.794                 | -0.73 | -0.54        | 100.794       |
| DE000 114167 9 | 1.000 BO S 167          | 12.10.2018    | 1 / 1             | 17.0                   | 102.035                 | -0.75 | -0.55        | 102.882       |
| DE000 110466 9 | 0.000 BSA 16 IV         | 14.12.2018    | 1 / 3             | 13.0                   | 100.996                 | -0.74 | -0.55        | 100.996       |
| DE000 113537 4 | 3.750 Bund 08           | 04.01.2019    | 1 / 4             | 24.0                   | 106.295                 | -0.76 | -0.56        | 108.607       |
| DE000 114168 7 | 1.000 BO S 168          | 22.02.2019    | 1 / 6             | 16.0                   | 102.691                 | -0.76 | -0.56        | 103.173       |
| DE000 110467 7 | 0.000 BSA 17            | 15.03.2019    | 1 / 7             | 13.0                   | 101.176                 | -0.74 | -0.54        | 101.176       |
| DE000 114169 5 | 0.500 BO S 169          | 12.04.2019    | 1 / 7             | 16.0                   | 102.085                 | -0.75 | -0.55        | 102.259       |
| DE000 110468 5 | 0.000 BSA 17 II         | 14.06.2019    | 1 / 9             | 13.0                   | 101.325                 | -0.72 | -0.53        | 101.325       |
| DE000 113538 2 | 3.500 Bund 09           | 04.07.2019    | 1 / 10            | 24.0                   | 108.051                 | -0.74 | -0.54        | 108.473       |
| DE000 114170 3 | 0.250 BO S 170          | 11.10.2019    | 2 / 1             | 16.0                   | 102.080                 | -0.71 | -0.52        | 102.292       |
| DE000 113539 0 | 3.250 Bund 09           | 04.01.2020    | 2 / 4             | 22.0                   | 109.500                 | -0.69 | -0.50        | 111.503       |
| DE000 103052 6 | 1.750 Bund 09 index.    | 15.04.2020    | 2 / 8             | 16.0                   | 108.290                 | -1.29 | -            | 121.258       |
| DE000 114171 1 | 0.000 BO S 171          | 17.04.2020    | 2 / 8             | 20.0                   | 101.770                 | -0.66 | -0.48        | 101.770       |
| DE000 113540 8 | 3.000 Bund 10           | 04.07.2020    | 2 / 10            | 22.0                   | 110.600                 | -0.64 | -0.46        | 110.962       |
| DE000 113541 6 | 2.250 Bund 10           | 04.09.2020    | 3 / 0             | 16.0                   | 108.860                 | -0.62 | -0.45        | 110.999       |
| DE000 114172 9 | 0.250 BO S 172          | 16.10.2020    | 3 / 2             | 19.0                   | 102.720                 | -0.60 | -0.44        | 102.929       |
| DE000 113542 4 | 2.500 Bund 10           | 04.01.2021    | 3 / 4             | 19.0                   | 110.540                 | -0.58 | -0.42        | 112.081       |
| DE000 114173 7 | 0.000 BO S 173          | 09.04.2021    | 3 / 7             | 21.0                   | 101.970                 | -0.53 | -0.39        | 101.970       |
| DE000 113544 0 | 3.250 Bund 11           | 04.07.2021    | 3 / 10            | 19.0                   | 114.770                 | -0.51 | -0.37        | 115.162       |
| DE000 113545 7 | 2.250 Bund 11           | 04.09.2021    | 4 / 0             | 16.0                   | 111.190                 | -0.48 | -0.35        | 113.329       |
| DE000 114174 5 | 0.000 BO S 174          | 08.10.2021    | 4 / 1             | 19.0                   | 101.870                 | -0.45 | -0.33        | 101.870       |
| DE000 113546 5 | 2.000 Bund 11           | 04.01.2022    | 4 / 4             | 20.0                   | 110.730                 | -0.42 | -0.31        | 111.963       |
| DE000 114175 2 | 0.000 BO S 175          | 08.04.2022    | 4 / 7             | 18.0                   | 101.740                 | -0.37 | -0.27        | 101.740       |
| DE000 113547 3 | 1.750 Bund 12           | 04.07.2022    | 4 / 10            | 24.0                   | 110.360                 | -0.35 | -0.26        | 110.571       |
| DE000 113549 9 | 1.500 Bund 12           | 04.09.2022    | 5 / 0             | 18.0                   | 109.290                 | -0.32 | -0.23        | 110.716       |
| DE000 114176 0 | 0.000 BO S 176          | 07.10.2022    | 5 / 1             | 8.0                    | 101.440                 | -0.28 | -0.20        | 101.440       |
| DE000 110230 9 | 1.500 Bund 13           | 15.02.2023    | 5 / 6             | 18.0                   | 109.680                 | -0.25 | -0.18        | 110.432       |
| DE000 103054 2 | 0.100 Bund 12 index.    | 15.04.2023    | 5 / 8             | 16.0                   | 107.650                 | -1.20 | 0.00         | 113.345       |
| DE000 110231 7 | 1.500 Bund 13 II        | 15.05.2023    | 5 / 9             | 18.0                   | 109.910                 | -0.21 | -0.16        | 110.296       |
| DE000 110232 5 | 2.000 Bund 13           | 15.08.2023    | 6 / 0             | 18.0                   | 113.130                 | -0.18 | -0.13        | 113.141       |
| DE000 113492 2 | 6.250 Bund 94           | 04.01.2024    | 6 / 4             | 10.3                   | 140.750                 | -0.11 | -0.08        | 144.603       |
| DE000 110233 3 | 1.750 Bund 14           | 15.02.2024    | 6 / 6             | 18.0                   | 112.170                 | -0.11 | -0.08        | 113.047       |
| DE000 110235 8 | 1.500 Bund 14           | 15.05.2024    | 6 / 9             | 18.0                   | 110.660                 | -0.08 | -0.06        | 111.046       |
| DE000 110236 6 | 1.000 Bund 14           | 15.08.2024    | 7 / 0             | 18.0                   | 107.270                 | -0.04 | -0.03        | 107.275       |
| DE000 110237 4 | 0.500 Bund 15           | 15.02.2025    | 7 / 6             | 23.0                   | 103.420                 | 0.04  | 0.03         | 103.671       |
| DE000 110238 2 | 1.000 Bund 15           | 15.08.2025    | 8 / 0             | 23.0                   | 107.070                 | 0.11  | 0.08         | 107.075       |
| DE000 110239 0 | 0.500 Bund 16           | 15.02.2026    | 8 / 6             | 26.0                   | 102.600                 | 0.19  | 0.14         | 102.851       |
| DE000 103056 7 | 0.100 Bund 15 index.    | 15.04.2026    | 8 / 8             | 11.0                   | 109.460                 | -0.94 | -0.69        | 112.171       |
| DE000 110240 8 | 0.000 Bund 16           | 15.08.2026    | 9 / 0             | 25.0                   | 97.570                  | 0.27  | 0.20         | 97.570        |
| DE000 110241 6 | 0.250 Bund 17           | 15.02.2027    | 9 / 6             | 26.0                   | 99.090                  | 0.35  | 0.26         | 99.238        |
| DE000 113504 4 | 6.500 Bund 97           | 04.07.2027    | 9 / 10            | 11.3                   | 160.030                 | 0.32  | 0.22         | 160.814       |
| DE000 110242 4 | 0.500 Bund 17           | 15.08.2027    | 10 / 0            | 8.0                    | 100.810                 | 0.42  | 0.31         | 100.857       |
| DE000 113506 9 | 5.625 Bund 98           | 04.01.2028    | 10 / 4            | 14.5                   | 153.390                 | 0.37  | 0.26         | 156.857       |
| DE000 113508 5 | 4.750 Bund 98 II        | 04.07.2028    | 10 / 10           | 11.3                   | 145.830                 | 0.43  | 0.30         | 146.403       |
| DE000 113514 3 | 6.250 Bund 00           | 04.01.2030    | 12 / 4            | 9.3                    | 168.400                 | 0.53  | 0.37         | 172.253       |
| DE000 103055 9 | 0.500 Bund 14 index.    | 15.04.2030    | 12 / 8            | 9.0                    | 114.580                 | -0.60 | -            | 117.868       |
| DE000 113517 6 | 5.500 Bund 00           | 04.01.2031    | 13 / 4            | 17.0                   | 162.780                 | 0.60  | 0.42         | 166.170       |
| DE000 113522 6 | 4.750 Bund 03           | 04.07.2034    | 16 / 10           | 20.0                   | 162.630                 | 0.78  | 0.54         | 163.203       |
| DE000 113527 5 | 4.000 Bund 05           | 04.01.2037    | 19 / 4            | 23.0                   | 155.390                 | 0.88  | 0.62         | 157.856       |
| DE000 113532 5 | 4.250 Bund 07           | 04.07.2039    | 21 / 10           | 14.0                   | 164.780                 | 0.95  | 0.67         | 165.292       |
| DE000 113536 6 | 4.750 Bund 08           | 04.07.2040    | 22 / 10           | 16.0                   | 177.130                 | 0.97  | 0.67         | 177.703       |
| DE000 113543 2 | 3.250 Bund 10           | 04.07.2042    | 24 / 10           | 15.0                   | 147.600                 | 1.06  | 0.75         | 147.992       |
| DE000 113548 1 | 2.500 Bund 12           | 04.07.2044    | 26 / 10           | 22.0                   | 131.590                 | 1.13  | 0.81         | 131.891       |
| DE000 103057 5 | 0.100 Bund 15 index. II | 15.04.2046    | 28 / 8            | 6.0                    | 113.470                 | -0.35 | -            | 117.153       |
| DE000 110234 1 | 2.500 Bund 14           | 15.08.2046    | 29 / 0            | 23.0                   | 132.770                 | 1.16  | 0.83         | 132.784       |

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) Net yield after deduction of withholding tax and solidarity surcharge (26.375% in total); deductions for church tax are not included.

5) 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 16.08.17**

| ISIN 1)        | Issue 2) 5)             | Maturity date | Residual life y/m | Issue volume € billion | Price 3) as of 16.08.17 | Yield | Net yield 4) | "Dirty price" |
|----------------|-------------------------|---------------|-------------------|------------------------|-------------------------|-------|--------------|---------------|
| DE000 110461 0 | 0.000 BSA 15 III        | 15.09.2017    | 0 / 0             | 13.0                   | 100.051                 | -0.66 | -0.49        | 100.051       |
| DE000 114164 6 | 0.500 BO S 164          | 13.10.2017    | 0 / 1             | 16.0                   | 100.183                 | -0.69 | -0.51        | 100.606       |
| DE000 110462 8 | 0.000 BSA 15 IV         | 15.12.2017    | 0 / 3             | 13.0                   | 100.238                 | -0.73 | -0.54        | 100.238       |
| DE000 113534 1 | 4.000 Bund 07           | 04.01.2018    | 0 / 4             | 20.0                   | 101.814                 | -0.73 | -0.54        | 104.291       |
| DE000 114165 3 | 0.500 BO S 165          | 23.02.2018    | 0 / 6             | 17.0                   | 100.635                 | -0.72 | -0.53        | 100.876       |
| DE000 110463 6 | 0.000 BSA 16            | 16.03.2018    | 0 / 7             | 13.0                   | 100.416                 | -0.72 | -0.53        | 100.416       |
| DE000 114166 1 | 0.250 BO S 166          | 13.04.2018    | 0 / 7             | 17.0                   | 100.633                 | -0.72 | -0.53        | 100.720       |
| DE000 103053 4 | 0.750 BO 11 index.      | 15.04.2018    | 0 / 7             | 15.0                   | 100.500                 | -0.01 | -            | 108.853       |
| DE000 110464 4 | 0.000 BSA 16 II         | 15.06.2018    | 0 / 9             | 14.0                   | 100.588                 | -0.71 | -0.52        | 100.588       |
| DE000 113535 8 | 4.250 Bund 08           | 04.07.2018    | 0 / 10            | 21.0                   | 104.391                 | -0.72 | -0.53        | 104.915       |
| DE000 110465 1 | 0.000 BSA 16 III        | 14.09.2018    | 1 / 0             | 13.0                   | 100.782                 | -0.72 | -0.53        | 100.782       |
| DE000 114167 9 | 1.000 BO S 167          | 12.10.2018    | 1 / 1             | 17.0                   | 102.022                 | -0.74 | -0.55        | 102.871       |
| DE000 110466 9 | 0.000 BSA 16 IV         | 14.12.2018    | 1 / 3             | 13.0                   | 100.978                 | -0.73 | -0.54        | 100.978       |
| DE000 113537 4 | 3.750 Bund 08           | 04.01.2019    | 1 / 4             | 24.0                   | 106.269                 | -0.75 | -0.55        | 108.591       |
| DE000 114168 7 | 1.000 BO S 168          | 22.02.2019    | 1 / 6             | 16.0                   | 102.671                 | -0.75 | -0.55        | 103.156       |
| DE000 110467 7 | 0.000 BSA 17            | 15.03.2019    | 1 / 6             | 13.0                   | 101.155                 | -0.73 | -0.54        | 101.155       |
| DE000 114169 5 | 0.500 BO S 169          | 12.04.2019    | 1 / 7             | 16.0                   | 102.065                 | -0.74 | -0.54        | 102.240       |
| DE000 110468 5 | 0.000 BSA 17 II         | 14.06.2019    | 1 / 9             | 13.0                   | 101.302                 | -0.71 | -0.52        | 101.302       |
| DE000 113538 2 | 3.500 Bund 09           | 04.07.2019    | 1 / 10            | 24.0                   | 108.015                 | -0.73 | -0.53        | 108.447       |
| DE000 114170 3 | 0.250 BO S 170          | 11.10.2019    | 2 / 1             | 16.0                   | 102.040                 | -0.69 | -0.51        | 102.253       |
| DE000 113539 0 | 3.250 Bund 09           | 04.01.2020    | 2 / 4             | 22.0                   | 109.440                 | -0.67 | -0.49        | 111.452       |
| DE000 103052 6 | 1.750 Bund 09 index.    | 15.04.2020    | 2 / 7             | 16.0                   | 108.200                 | -1.26 | -            | 121.164       |
| DE000 114171 1 | 0.000 BO S 171          | 17.04.2020    | 2 / 8             | 20.0                   | 101.720                 | -0.64 | -0.47        | 101.720       |
| DE000 113540 8 | 3.000 Bund 10           | 04.07.2020    | 2 / 10            | 22.0                   | 110.520                 | -0.61 | -0.45        | 110.890       |
| DE000 113541 6 | 2.250 Bund 10           | 04.09.2020    | 3 / 0             | 16.0                   | 108.770                 | -0.59 | -0.43        | 110.915       |
| DE000 114172 9 | 0.250 BO S 172          | 16.10.2020    | 3 / 2             | 19.0                   | 102.630                 | -0.57 | -0.42        | 102.840       |
| DE000 113542 4 | 2.500 Bund 10           | 04.01.2021    | 3 / 4             | 19.0                   | 110.410                 | -0.54 | -0.40        | 111.958       |
| DE000 114173 7 | 0.000 BO S 173          | 09.04.2021    | 3 / 7             | 21.0                   | 101.840                 | -0.50 | -0.37        | 101.840       |
| DE000 113544 0 | 3.250 Bund 11           | 04.07.2021    | 3 / 10            | 19.0                   | 114.600                 | -0.47 | -0.34        | 115.001       |
| DE000 113545 7 | 2.250 Bund 11           | 04.09.2021    | 4 / 0             | 16.0                   | 111.020                 | -0.44 | -0.32        | 113.165       |
| DE000 114174 5 | 0.000 BO S 174          | 08.10.2021    | 4 / 1             | 19.0                   | 101.720                 | -0.41 | -0.30        | 101.720       |
| DE000 113546 5 | 2.000 Bund 11           | 04.01.2022    | 4 / 4             | 20.0                   | 110.570                 | -0.39 | -0.28        | 111.808       |
| DE000 114175 2 | 0.000 BO S 175          | 08.04.2022    | 4 / 7             | 18.0                   | 101.570                 | -0.34 | -0.25        | 101.570       |
| DE000 113547 3 | 1.750 Bund 12           | 04.07.2022    | 4 / 10            | 24.0                   | 110.160                 | -0.31 | -0.23        | 110.376       |
| DE000 113549 9 | 1.500 Bund 12           | 04.09.2022    | 5 / 0             | 18.0                   | 109.090                 | -0.29 | -0.21        | 110.520       |
| DE000 114176 0 | 0.000 BO S 176          | 07.10.2022    | 5 / 1             | 8.0                    | 101.250                 | -0.24 | -0.18        | 101.250       |
| DE000 110230 9 | 1.500 Bund 13           | 15.02.2023    | 5 / 5             | 18.0                   | 109.500                 | -0.22 | -0.16        | 110.256       |
| DE000 103054 2 | 0.100 Bund 12 index.    | 15.04.2023    | 5 / 7             | 16.0                   | 107.280                 | -1.14 | 0.00         | 112.956       |
| DE000 110231 7 | 1.500 Bund 13 II        | 15.05.2023    | 5 / 8             | 18.0                   | 109.715                 | -0.18 | -0.13        | 110.105       |
| DE000 110232 5 | 2.000 Bund 13           | 15.08.2023    | 5 / 11            | 18.0                   | 112.920                 | -0.15 | -0.11        | 112.936       |
| DE000 113492 2 | 6.250 Bund 94           | 04.01.2024    | 6 / 4             | 10.3                   | 140.510                 | -0.08 | -0.06        | 144.380       |
| DE000 110233 3 | 1.750 Bund 14           | 15.02.2024    | 6 / 5             | 18.0                   | 111.950                 | -0.08 | -0.06        | 112.832       |
| DE000 110235 8 | 1.500 Bund 14           | 15.05.2024    | 6 / 8             | 18.0                   | 110.430                 | -0.04 | -0.03        | 110.820       |
| DE000 110236 6 | 1.000 Bund 14           | 15.08.2024    | 6 / 11            | 18.0                   | 107.025                 | 0.00  | 0.00         | 107.033       |
| DE000 110237 4 | 0.500 Bund 15           | 15.02.2025    | 7 / 5             | 23.0                   | 103.155                 | 0.08  | 0.06         | 103.407       |
| DE000 110238 2 | 1.000 Bund 15           | 15.08.2025    | 7 / 11            | 23.0                   | 106.780                 | 0.15  | 0.11         | 106.788       |
| DE000 110239 0 | 0.500 Bund 16           | 15.02.2026    | 8 / 5             | 26.0                   | 102.290                 | 0.23  | 0.17         | 102.542       |
| DE000 103056 7 | 0.100 Bund 15 index.    | 15.04.2026    | 8 / 7             | 11.0                   | 108.950                 | -0.89 | -0.65        | 111.650       |
| DE000 110240 8 | 0.000 Bund 16           | 15.08.2026    | 8 / 11            | 25.0                   | 97.240                  | 0.31  | 0.23         | 97.240        |
| DE000 110241 6 | 0.250 Bund 17           | 15.02.2027    | 9 / 5             | 26.0                   | 98.740                  | 0.39  | 0.28         | 98.889        |
| DE000 113504 4 | 6.500 Bund 97           | 04.07.2027    | 9 / 10            | 11.3                   | 159.540                 | 0.35  | 0.25         | 160.341       |
| DE000 110242 4 | 0.500 Bund 17           | 15.08.2027    | 9 / 11            | 8.0                    | 100.425                 | 0.46  | 0.34         | 100.473       |
| DE000 113506 9 | 5.625 Bund 98           | 04.01.2028    | 10 / 4            | 14.5                   | 152.895                 | 0.41  | 0.29         | 156.378       |
| DE000 113508 5 | 4.750 Bund 98 II        | 04.07.2028    | 10 / 10           | 11.3                   | 145.320                 | 0.47  | 0.33         | 145.906       |
| DE000 113514 3 | 6.250 Bund 00           | 04.01.2030    | 12 / 4            | 9.3                    | 167.820                 | 0.56  | 0.39         | 171.690       |
| DE000 103055 9 | 0.500 Bund 14 index.    | 15.04.2030    | 12 / 7            | 9.0                    | 113.900                 | -0.56 | -            | 117.172       |
| DE000 113517 6 | 5.500 Bund 00           | 04.01.2031    | 13 / 4            | 17.0                   | 162.190                 | 0.64  | 0.44         | 165.595       |
| DE000 113522 6 | 4.750 Bund 03           | 04.07.2034    | 16 / 10           | 20.0                   | 161.840                 | 0.81  | 0.57         | 162.426       |
| DE000 113527 5 | 4.000 Bund 05           | 04.01.2037    | 19 / 4            | 23.0                   | 154.520                 | 0.92  | 0.64         | 156.997       |
| DE000 113532 5 | 4.250 Bund 07           | 04.07.2039    | 21 / 10           | 14.0                   | 163.740                 | 0.99  | 0.69         | 164.264       |
| DE000 113536 6 | 4.750 Bund 08           | 04.07.2040    | 22 / 10           | 16.0                   | 175.980                 | 1.01  | 0.70         | 176.566       |
| DE000 113543 2 | 3.250 Bund 10           | 04.07.2042    | 24 / 10           | 15.0                   | 146.510                 | 1.10  | 0.78         | 146.911       |
| DE000 113548 1 | 2.500 Bund 12           | 04.07.2044    | 26 / 10           | 22.0                   | 130.500                 | 1.17  | 0.84         | 130.808       |
| DE000 103057 5 | 0.100 Bund 15 index. II | 15.04.2046    | 28 / 7            | 6.0                    | 111.750                 | -0.29 | -            | 115.379       |
| DE000 110234 1 | 2.500 Bund 14           | 15.08.2046    | 28 / 11           | 23.0                   | 131.610                 | 1.20  | 0.86         | 131.631       |

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) Net yield after deduction of withholding tax and solidarity surcharge (26.375% in total); deductions for church tax are not included.

5) 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 17.08.17**

| ISIN 1)        | Issue 2) 5)             | Maturity date | Residual life y/m | Issue volume € billion | Price 3) as of 17.08.17 | Yield | Net yield 4) | "Dirty price" |
|----------------|-------------------------|---------------|-------------------|------------------------|-------------------------|-------|--------------|---------------|
| DE000 110461 0 | 0.000 BSA 15 III        | 15.09.2017    | 0 / 0             | 13.0                   | 100.045                 | -0.66 | -0.48        | 100.045       |
| DE000 114164 6 | 0.500 BO S 164          | 13.10.2017    | 0 / 1             | 16.0                   | 100.176                 | -0.71 | -0.52        | 100.603       |
| DE000 110462 8 | 0.000 BSA 15 IV         | 15.12.2017    | 0 / 3             | 13.0                   | 100.233                 | -0.73 | -0.54        | 100.233       |
| DE000 113534 1 | 4.000 Bund 07           | 04.01.2018    | 0 / 4             | 20.0                   | 101.777                 | -0.74 | -0.55        | 104.287       |
| DE000 114165 3 | 0.500 BO S 165          | 23.02.2018    | 0 / 6             | 17.0                   | 100.627                 | -0.72 | -0.53        | 100.872       |
| DE000 110463 6 | 0.000 BSA 16            | 16.03.2018    | 0 / 6             | 13.0                   | 100.411                 | -0.72 | -0.53        | 100.411       |
| DE000 114166 1 | 0.250 BO S 166          | 13.04.2018    | 0 / 7             | 17.0                   | 100.626                 | -0.72 | -0.53        | 100.715       |
| DE000 103053 4 | 0.750 BO 11 index.      | 15.04.2018    | 0 / 7             | 15.0                   | 100.510                 | -0.04 | -            | 108.872       |
| DE000 110464 4 | 0.000 BSA 16 II         | 15.06.2018    | 0 / 9             | 14.0                   | 100.588                 | -0.72 | -0.53        | 100.588       |
| DE000 113535 8 | 4.250 Bund 08           | 04.07.2018    | 0 / 10            | 21.0                   | 104.350                 | -0.72 | -0.53        | 104.909       |
| DE000 110465 1 | 0.000 BSA 16 III        | 14.09.2018    | 1 / 0             | 13.0                   | 100.780                 | -0.73 | -0.53        | 100.780       |
| DE000 114167 9 | 1.000 BO S 167          | 12.10.2018    | 1 / 1             | 17.0                   | 102.010                 | -0.74 | -0.55        | 102.868       |
| DE000 110466 9 | 0.000 BSA 16 IV         | 14.12.2018    | 1 / 3             | 13.0                   | 100.975                 | -0.74 | -0.54        | 100.975       |
| DE000 113537 4 | 3.750 Bund 08           | 04.01.2019    | 1 / 4             | 24.0                   | 106.241                 | -0.75 | -0.55        | 108.594       |
| DE000 114168 7 | 1.000 BO S 168          | 22.02.2019    | 1 / 6             | 16.0                   | 102.665                 | -0.75 | -0.55        | 103.158       |
| DE000 110467 7 | 0.000 BSA 17            | 15.03.2019    | 1 / 6             | 13.0                   | 101.158                 | -0.73 | -0.54        | 101.158       |
| DE000 114169 5 | 0.500 BO S 169          | 12.04.2019    | 1 / 7             | 16.0                   | 102.060                 | -0.74 | -0.55        | 102.239       |
| DE000 110468 5 | 0.000 BSA 17 II         | 14.06.2019    | 1 / 9             | 13.0                   | 101.309                 | -0.71 | -0.53        | 101.309       |
| DE000 113538 2 | 3.500 Bund 09           | 04.07.2019    | 1 / 10            | 24.0                   | 107.995                 | -0.73 | -0.54        | 108.455       |
| DE000 114170 3 | 0.250 BO S 170          | 11.10.2019    | 2 / 1             | 16.0                   | 102.040                 | -0.69 | -0.51        | 102.255       |
| DE000 113539 0 | 3.250 Bund 09           | 04.01.2020    | 2 / 4             | 22.0                   | 109.430                 | -0.68 | -0.50        | 111.469       |
| DE000 103052 6 | 1.750 Bund 09 index.    | 15.04.2020    | 2 / 7             | 16.0                   | 108.230                 | -1.28 | -            | 121.216       |
| DE000 114171 1 | 0.000 BO S 171          | 17.04.2020    | 2 / 8             | 20.0                   | 101.740                 | -0.65 | -0.48        | 101.740       |
| DE000 113540 8 | 3.000 Bund 10           | 04.07.2020    | 2 / 10            | 22.0                   | 110.530                 | -0.63 | -0.46        | 110.925       |
| DE000 113541 6 | 2.250 Bund 10           | 04.09.2020    | 3 / 0             | 16.0                   | 108.800                 | -0.61 | -0.45        | 110.964       |
| DE000 114172 9 | 0.250 BO S 172          | 16.10.2020    | 3 / 1             | 19.0                   | 102.680                 | -0.59 | -0.43        | 102.892       |
| DE000 113542 4 | 2.500 Bund 10           | 04.01.2021    | 3 / 4             | 19.0                   | 110.440                 | -0.56 | -0.41        | 112.008       |
| DE000 114173 7 | 0.000 BO S 173          | 09.04.2021    | 3 / 7             | 21.0                   | 101.890                 | -0.51 | -0.38        | 101.890       |
| DE000 113544 0 | 3.250 Bund 11           | 04.07.2021    | 3 / 10            | 19.0                   | 114.650                 | -0.49 | -0.36        | 115.077       |
| DE000 113545 7 | 2.250 Bund 11           | 04.09.2021    | 4 / 0             | 16.0                   | 111.080                 | -0.46 | -0.34        | 113.244       |
| DE000 114174 5 | 0.000 BO S 174          | 08.10.2021    | 4 / 1             | 19.0                   | 101.810                 | -0.43 | -0.32        | 101.810       |
| DE000 113546 5 | 2.000 Bund 11           | 04.01.2022    | 4 / 4             | 20.0                   | 110.650                 | -0.41 | -0.30        | 111.905       |
| DE000 114175 2 | 0.000 BO S 175          | 08.04.2022    | 4 / 7             | 18.0                   | 101.680                 | -0.36 | -0.26        | 101.680       |
| DE000 113547 3 | 1.750 Bund 12           | 04.07.2022    | 4 / 10            | 24.0                   | 110.250                 | -0.33 | -0.24        | 110.480       |
| DE000 113549 9 | 1.500 Bund 12           | 04.09.2022    | 5 / 0             | 18.0                   | 109.200                 | -0.31 | -0.23        | 110.642       |
| DE000 114176 0 | 0.000 BO S 176          | 07.10.2022    | 5 / 1             | 8.0                    | 101.360                 | -0.26 | -0.19        | 101.360       |
| DE000 110230 9 | 1.500 Bund 13           | 15.02.2023    | 5 / 5             | 18.0                   | 109.570                 | -0.23 | -0.17        | 110.338       |
| DE000 103054 2 | 0.100 Bund 12 index.    | 15.04.2023    | 5 / 7             | 16.0                   | 107.420                 | -1.16 | 0.00         | 113.106       |
| DE000 110231 7 | 1.500 Bund 13 II        | 15.05.2023    | 5 / 8             | 18.0                   | 109.790                 | -0.20 | -0.14        | 110.193       |
| DE000 110232 5 | 2.000 Bund 13           | 15.08.2023    | 5 / 11            | 18.0                   | 113.015                 | -0.16 | -0.12        | 113.048       |
| DE000 113492 2 | 6.250 Bund 94           | 04.01.2024    | 6 / 4             | 10.3                   | 140.570                 | -0.09 | -0.07        | 144.491       |
| DE000 110233 3 | 1.750 Bund 14           | 15.02.2024    | 6 / 5             | 18.0                   | 112.060                 | -0.10 | -0.07        | 112.957       |
| DE000 110235 8 | 1.500 Bund 14           | 15.05.2024    | 6 / 8             | 18.0                   | 110.550                 | -0.06 | -0.05        | 110.953       |
| DE000 110236 6 | 1.000 Bund 14           | 15.08.2024    | 6 / 11            | 18.0                   | 107.180                 | -0.03 | -0.02        | 107.196       |
| DE000 110237 4 | 0.500 Bund 15           | 15.02.2025    | 7 / 5             | 23.0                   | 103.330                 | 0.05  | 0.04         | 103.586       |
| DE000 110238 2 | 1.000 Bund 15           | 15.08.2025    | 7 / 11            | 23.0                   | 106.970                 | 0.12  | 0.09         | 106.986       |
| DE000 110239 0 | 0.500 Bund 16           | 15.02.2026    | 8 / 5             | 26.0                   | 102.510                 | 0.20  | 0.15         | 102.766       |
| DE000 103056 7 | 0.100 Bund 15 index.    | 15.04.2026    | 8 / 7             | 11.0                   | 109.320                 | -0.93 | -0.68        | 112.032       |
| DE000 110240 8 | 0.000 Bund 16           | 15.08.2026    | 8 / 11            | 25.0                   | 97.485                  | 0.28  | 0.21         | 97.485        |
| DE000 110241 6 | 0.250 Bund 17           | 15.02.2027    | 9 / 5             | 26.0                   | 98.980                  | 0.36  | 0.27         | 99.131        |
| DE000 113504 4 | 6.500 Bund 97           | 04.07.2027    | 9 / 10            | 11.3                   | 159.850                 | 0.33  | 0.23         | 160.705       |
| DE000 110242 4 | 0.500 Bund 17           | 15.08.2027    | 9 / 11            | 8.0                    | 100.690                 | 0.43  | 0.32         | 100.742       |
| DE000 113506 9 | 5.625 Bund 98           | 04.01.2028    | 10 / 4            | 14.5                   | 153.220                 | 0.38  | 0.27         | 156.749       |
| DE000 113508 5 | 4.750 Bund 98 II        | 04.07.2028    | 10 / 10           | 11.3                   | 145.670                 | 0.44  | 0.31         | 146.295       |
| DE000 113514 3 | 6.250 Bund 00           | 04.01.2030    | 12 / 4            | 9.3                    | 168.230                 | 0.54  | 0.37         | 172.151       |
| DE000 103055 9 | 0.500 Bund 14 index.    | 15.04.2030    | 12 / 7            | 9.0                    | 114.310                 | -0.59 | -            | 117.599       |
| DE000 113517 6 | 5.500 Bund 00           | 04.01.2031    | 13 / 4            | 17.0                   | 162.630                 | 0.61  | 0.42         | 166.081       |
| DE000 113522 6 | 4.750 Bund 03           | 04.07.2034    | 16 / 10           | 20.0                   | 162.340                 | 0.79  | 0.55         | 162.965       |
| DE000 113527 5 | 4.000 Bund 05           | 04.01.2037    | 19 / 4            | 23.0                   | 155.040                 | 0.89  | 0.63         | 157.550       |
| DE000 113532 5 | 4.250 Bund 07           | 04.07.2039    | 21 / 10           | 14.0                   | 164.340                 | 0.97  | 0.68         | 164.899       |
| DE000 113536 6 | 4.750 Bund 08           | 04.07.2040    | 22 / 10           | 16.0                   | 176.630                 | 0.99  | 0.68         | 177.255       |
| DE000 113543 2 | 3.250 Bund 10           | 04.07.2042    | 24 / 10           | 15.0                   | 147.100                 | 1.08  | 0.76         | 147.527       |
| DE000 113548 1 | 2.500 Bund 12           | 04.07.2044    | 26 / 10           | 22.0                   | 131.050                 | 1.15  | 0.82         | 131.379       |
| DE000 103057 5 | 0.100 Bund 15 index. II | 15.04.2046    | 28 / 7            | 6.0                    | 112.400                 | -0.31 | -            | 116.053       |
| DE000 110234 1 | 2.500 Bund 14           | 15.08.2046    | 28 / 11           | 23.0                   | 132.190                 | 1.18  | 0.84         | 132.231       |

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) Net yield after deduction of withholding tax and solidarity surcharge (26.375% in total); deductions for church tax are not included.

5) 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 18.08.17**

| ISIN 1)        | Issue 2) 5)             | Maturity date | Residual life y/m | Issue volume € billion | Price 3) as of 18.08.17 | Yield | Net yield 4) | "Dirty price" |
|----------------|-------------------------|---------------|-------------------|------------------------|-------------------------|-------|--------------|---------------|
| DE000 110461 0 | 0.000 BSA 15 III        | 15.09.2017    | 0 / 0             | 13.0                   | 100.044                 | -0.64 | -0.47        | 100.044       |
| DE000 114164 6 | 0.500 BO S 164          | 13.10.2017    | 0 / 1             | 16.0                   | 100.172                 | -0.68 | -0.50        | 100.599       |
| DE000 110462 8 | 0.000 BSA 15 IV         | 15.12.2017    | 0 / 3             | 13.0                   | 100.232                 | -0.73 | -0.54        | 100.232       |
| DE000 113534 1 | 4.000 Bund 07           | 04.01.2018    | 0 / 4             | 20.0                   | 101.766                 | -0.71 | -0.53        | 104.276       |
| DE000 114165 3 | 0.500 BO S 165          | 23.02.2018    | 0 / 6             | 17.0                   | 100.627                 | -0.72 | -0.53        | 100.872       |
| DE000 110463 6 | 0.000 BSA 16            | 16.03.2018    | 0 / 6             | 13.0                   | 100.409                 | -0.72 | -0.53        | 100.409       |
| DE000 114166 1 | 0.250 BO S 166          | 13.04.2018    | 0 / 7             | 17.0                   | 100.625                 | -0.72 | -0.53        | 100.714       |
| DE000 103053 4 | 0.750 BO 11 index.      | 15.04.2018    | 0 / 7             | 15.0                   | 100.500                 | -0.02 | -            | 108.861       |
| DE000 110464 4 | 0.000 BSA 16 II         | 15.06.2018    | 0 / 9             | 14.0                   | 100.591                 | -0.72 | -0.53        | 100.591       |
| DE000 113535 8 | 4.250 Bund 08           | 04.07.2018    | 0 / 10            | 21.0                   | 104.338                 | -0.71 | -0.52        | 104.897       |
| DE000 110465 1 | 0.000 BSA 16 III        | 14.09.2018    | 1 / 0             | 13.0                   | 100.781                 | -0.73 | -0.54        | 100.781       |
| DE000 114167 9 | 1.000 BO S 167          | 12.10.2018    | 1 / 1             | 17.0                   | 102.006                 | -0.74 | -0.55        | 102.864       |
| DE000 110466 9 | 0.000 BSA 16 IV         | 14.12.2018    | 1 / 3             | 13.0                   | 100.979                 | -0.74 | -0.54        | 100.979       |
| DE000 113537 4 | 3.750 Bund 08           | 04.01.2019    | 1 / 4             | 24.0                   | 106.235                 | -0.75 | -0.55        | 108.588       |
| DE000 114168 7 | 1.000 BO S 168          | 22.02.2019    | 1 / 6             | 16.0                   | 102.661                 | -0.75 | -0.55        | 103.154       |
| DE000 110467 7 | 0.000 BSA 17            | 15.03.2019    | 1 / 6             | 13.0                   | 101.165                 | -0.74 | -0.54        | 101.165       |
| DE000 114169 5 | 0.500 BO S 169          | 12.04.2019    | 1 / 7             | 16.0                   | 102.044                 | -0.73 | -0.54        | 102.223       |
| DE000 110468 5 | 0.000 BSA 17 II         | 14.06.2019    | 1 / 9             | 13.0                   | 101.316                 | -0.72 | -0.53        | 101.316       |
| DE000 113538 2 | 3.500 Bund 09           | 04.07.2019    | 1 / 10            | 24.0                   | 107.992                 | -0.73 | -0.54        | 108.452       |
| DE000 114170 3 | 0.250 BO S 170          | 11.10.2019    | 2 / 1             | 16.0                   | 102.050                 | -0.70 | -0.51        | 102.265       |
| DE000 113539 0 | 3.250 Bund 09           | 04.01.2020    | 2 / 4             | 22.0                   | 109.440                 | -0.68 | -0.50        | 111.479       |
| DE000 103052 6 | 1.750 Bund 09 index.    | 15.04.2020    | 2 / 7             | 16.0                   | 108.220                 | -1.28 | -            | 121.205       |
| DE000 114171 1 | 0.000 BO S 171          | 17.04.2020    | 2 / 7             | 20.0                   | 101.770                 | -0.66 | -0.48        | 101.770       |
| DE000 113540 8 | 3.000 Bund 10           | 04.07.2020    | 2 / 10            | 22.0                   | 110.560                 | -0.64 | -0.46        | 110.955       |
| DE000 113541 6 | 2.250 Bund 10           | 04.09.2020    | 3 / 0             | 16.0                   | 108.840                 | -0.62 | -0.46        | 111.004       |
| DE000 114172 9 | 0.250 BO S 172          | 16.10.2020    | 3 / 1             | 19.0                   | 102.720                 | -0.60 | -0.44        | 102.932       |
| DE000 113542 4 | 2.500 Bund 10           | 04.01.2021    | 3 / 4             | 19.0                   | 110.500                 | -0.57 | -0.42        | 112.068       |
| DE000 114173 7 | 0.000 BO S 173          | 09.04.2021    | 3 / 7             | 21.0                   | 101.970                 | -0.54 | -0.39        | 101.970       |
| DE000 113544 0 | 3.250 Bund 11           | 04.07.2021    | 3 / 10            | 19.0                   | 114.730                 | -0.51 | -0.37        | 115.157       |
| DE000 113545 7 | 2.250 Bund 11           | 04.09.2021    | 4 / 0             | 16.0                   | 111.170                 | -0.48 | -0.35        | 113.334       |
| DE000 114174 5 | 0.000 BO S 174          | 08.10.2021    | 4 / 1             | 19.0                   | 101.900                 | -0.45 | -0.33        | 101.900       |
| DE000 113546 5 | 2.000 Bund 11           | 04.01.2022    | 4 / 4             | 20.0                   | 110.760                 | -0.43 | -0.31        | 112.015       |
| DE000 114175 2 | 0.000 BO S 175          | 08.04.2022    | 4 / 7             | 18.0                   | 101.810                 | -0.39 | -0.28        | 101.810       |
| DE000 113547 3 | 1.750 Bund 12           | 04.07.2022    | 4 / 10            | 24.0                   | 110.380                 | -0.36 | -0.26        | 110.610       |
| DE000 113549 9 | 1.500 Bund 12           | 04.09.2022    | 5 / 0             | 18.0                   | 109.340                 | -0.34 | -0.24        | 110.782       |
| DE000 114176 0 | 0.000 BO S 176          | 07.10.2022    | 5 / 1             | 8.0                    | 101.490                 | -0.29 | -0.21        | 101.490       |
| DE000 110230 9 | 1.500 Bund 13           | 15.02.2023    | 5 / 5             | 18.0                   | 109.710                 | -0.25 | -0.19        | 110.478       |
| DE000 103054 2 | 0.100 Bund 12 index.    | 15.04.2023    | 5 / 7             | 16.0                   | 107.770                 | -1.22 | 0.00         | 113.475       |
| DE000 110231 7 | 1.500 Bund 13 II        | 15.05.2023    | 5 / 8             | 18.0                   | 109.940                 | -0.22 | -0.16        | 110.343       |
| DE000 110232 5 | 2.000 Bund 13           | 15.08.2023    | 5 / 11            | 18.0                   | 113.170                 | -0.19 | -0.14        | 113.203       |
| DE000 113492 2 | 6.250 Bund 94           | 04.01.2024    | 6 / 4             | 10.3                   | 140.800                 | -0.12 | -0.09        | 144.721       |
| DE000 110233 3 | 1.750 Bund 14           | 15.02.2024    | 6 / 5             | 18.0                   | 112.250                 | -0.13 | -0.09        | 113.147       |
| DE000 110235 8 | 1.500 Bund 14           | 15.05.2024    | 6 / 8             | 18.0                   | 110.750                 | -0.09 | -0.07        | 111.153       |
| DE000 110236 6 | 1.000 Bund 14           | 15.08.2024    | 6 / 11            | 18.0                   | 107.380                 | -0.05 | -0.04        | 107.396       |
| DE000 110237 4 | 0.500 Bund 15           | 15.02.2025    | 7 / 5             | 23.0                   | 103.550                 | 0.03  | 0.02         | 103.806       |
| DE000 110238 2 | 1.000 Bund 15           | 15.08.2025    | 7 / 11            | 23.0                   | 107.230                 | 0.09  | 0.07         | 107.246       |
| DE000 110239 0 | 0.500 Bund 16           | 15.02.2026    | 8 / 5             | 26.0                   | 102.777                 | 0.17  | 0.12         | 103.033       |
| DE000 103056 7 | 0.100 Bund 15 index.    | 15.04.2026    | 8 / 7             | 11.0                   | 109.830                 | -0.98 | -0.72        | 112.555       |
| DE000 110240 8 | 0.000 Bund 16           | 15.08.2026    | 8 / 11            | 25.0                   | 97.770                  | 0.25  | 0.19         | 97.770        |
| DE000 110241 6 | 0.250 Bund 17           | 15.02.2027    | 9 / 5             | 26.0                   | 99.290                  | 0.33  | 0.24         | 99.441        |
| DE000 113504 4 | 6.500 Bund 97           | 04.07.2027    | 9 / 10            | 11.3                   | 160.270                 | 0.29  | 0.21         | 161.125       |
| DE000 110242 4 | 0.500 Bund 17           | 15.08.2027    | 9 / 11            | 8.0                    | 101.000                 | 0.40  | 0.29         | 101.052       |
| DE000 113506 9 | 5.625 Bund 98           | 04.01.2028    | 10 / 4            | 14.5                   | 153.640                 | 0.35  | 0.25         | 157.169       |
| DE000 113508 5 | 4.750 Bund 98 II        | 04.07.2028    | 10 / 10           | 11.3                   | 146.110                 | 0.40  | 0.29         | 146.735       |
| DE000 113514 3 | 6.250 Bund 00           | 04.01.2030    | 12 / 4            | 9.3                    | 168.780                 | 0.50  | 0.35         | 172.701       |
| DE000 103055 9 | 0.500 Bund 14 index.    | 15.04.2030    | 12 / 7            | 9.0                    | 115.030                 | -0.64 | -            | 118.339       |
| DE000 113517 6 | 5.500 Bund 00           | 04.01.2031    | 13 / 4            | 17.0                   | 163.230                 | 0.57  | 0.40         | 166.681       |
| DE000 113522 6 | 4.750 Bund 03           | 04.07.2034    | 16 / 10           | 20.0                   | 163.070                 | 0.75  | 0.53         | 163.695       |
| DE000 113527 5 | 4.000 Bund 05           | 04.01.2037    | 19 / 4            | 23.0                   | 155.880                 | 0.86  | 0.60         | 158.390       |
| DE000 113532 5 | 4.250 Bund 07           | 04.07.2039    | 21 / 10           | 14.0                   | 165.230                 | 0.94  | 0.65         | 165.789       |
| DE000 113536 6 | 4.750 Bund 08           | 04.07.2040    | 22 / 10           | 16.0                   | 177.600                 | 0.96  | 0.66         | 178.225       |
| DE000 113543 2 | 3.250 Bund 10           | 04.07.2042    | 24 / 10           | 15.0                   | 148.030                 | 1.05  | 0.74         | 148.457       |
| DE000 113548 1 | 2.500 Bund 12           | 04.07.2044    | 26 / 10           | 22.0                   | 131.990                 | 1.12  | 0.80         | 132.319       |
| DE000 103057 5 | 0.100 Bund 15 index. II | 15.04.2046    | 28 / 7            | 6.0                    | 113.900                 | -0.36 | -            | 117.601       |
| DE000 110234 1 | 2.500 Bund 14           | 15.08.2046    | 28 / 11           | 23.0                   | 133.180                 | 1.15  | 0.82         | 133.221       |

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) Net yield after deduction of withholding tax and solidarity surcharge (26.375% in total); deductions for church tax are not included.

5) 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 21.08.17

| ISIN 1)        | Issue 2) 5)             | Maturity date | Residual life y/m | Issue volume €billion | Price 3) as of 21.08.17 | Yield | Net yield 4) | "Dirty price" |
|----------------|-------------------------|---------------|-------------------|-----------------------|-------------------------|-------|--------------|---------------|
| DE000 110461 0 | 0.000 BSA 15 III        | 15.09.2017    | 0 / 0             | 13.0                  | 100.038                 | -0.60 | -0.44        | 100.038       |
| DE000 114164 6 | 0.500 BO S 164          | 13.10.2017    | 0 / 1             | 16.0                  | 100.169                 | -0.71 | -0.52        | 100.599       |
| DE000 110462 8 | 0.000 BSA 15 IV         | 15.12.2017    | 0 / 3             | 13.0                  | 100.229                 | -0.73 | -0.54        | 100.229       |
| DE000 113534 1 | 4.000 Bund 07           | 04.01.2018    | 0 / 4             | 20.0                  | 101.752                 | -0.74 | -0.55        | 104.284       |
| DE000 114165 3 | 0.500 BO S 165          | 23.02.2018    | 0 / 6             | 17.0                  | 100.620                 | -0.72 | -0.53        | 100.868       |
| DE000 110463 6 | 0.000 BSA 16            | 16.03.2018    | 0 / 6             | 13.0                  | 100.406                 | -0.72 | -0.53        | 100.406       |
| DE000 114166 1 | 0.250 BO S 166          | 13.04.2018    | 0 / 7             | 17.0                  | 100.626                 | -0.73 | -0.53        | 100.716       |
| DE000 103053 4 | 0.750 BO 11 index.      | 15.04.2018    | 0 / 7             | 15.0                  | 100.490                 | -0.01 | -            | 108.856       |
| DE000 110464 4 | 0.000 BSA 16 II         | 15.06.2018    | 0 / 9             | 14.0                  | 100.585                 | -0.72 | -0.53        | 100.585       |
| DE000 113535 8 | 4.250 Bund 08           | 04.07.2018    | 0 / 10            | 21.0                  | 104.324                 | -0.72 | -0.53        | 104.906       |
| DE000 110465 1 | 0.000 BSA 16 III        | 14.09.2018    | 1 / 0             | 13.0                  | 100.773                 | -0.72 | -0.53        | 100.773       |
| DE000 114167 9 | 1.000 BO S 167          | 12.10.2018    | 1 / 1             | 17.0                  | 102.000                 | -0.74 | -0.55        | 102.863       |
| DE000 110466 9 | 0.000 BSA 16 IV         | 14.12.2018    | 1 / 3             | 13.0                  | 100.968                 | -0.73 | -0.54        | 100.968       |
| DE000 113537 4 | 3.750 Bund 08           | 04.01.2019    | 1 / 4             | 24.0                  | 106.212                 | -0.75 | -0.55        | 108.585       |
| DE000 114168 7 | 1.000 BO S 168          | 22.02.2019    | 1 / 6             | 16.0                  | 102.649                 | -0.75 | -0.55        | 103.148       |
| DE000 110467 7 | 0.000 BSA 17            | 15.03.2019    | 1 / 6             | 13.0                  | 101.150                 | -0.73 | -0.54        | 101.150       |
| DE000 114169 5 | 0.500 BO S 169          | 12.04.2019    | 1 / 7             | 16.0                  | 102.027                 | -0.73 | -0.53        | 102.209       |
| DE000 110468 5 | 0.000 BSA 17 II         | 14.06.2019    | 1 / 9             | 13.0                  | 101.302                 | -0.71 | -0.52        | 101.302       |
| DE000 113538 2 | 3.500 Bund 09           | 04.07.2019    | 1 / 10            | 24.0                  | 107.962                 | -0.73 | -0.53        | 108.441       |
| DE000 114170 3 | 0.250 BO S 170          | 11.10.2019    | 2 / 1             | 16.0                  | 102.030                 | -0.69 | -0.51        | 102.246       |
| DE000 113539 0 | 3.250 Bund 09           | 04.01.2020    | 2 / 4             | 22.0                  | 109.410                 | -0.68 | -0.50        | 111.467       |
| DE000 103052 6 | 1.750 Bund 09 index.    | 15.04.2020    | 2 / 7             | 16.0                  | 108.230                 | -1.29 | -            | 121.229       |
| DE000 114171 1 | 0.000 BO S 171          | 17.04.2020    | 2 / 7             | 20.0                  | 101.750                 | -0.65 | -0.48        | 101.750       |
| DE000 113540 8 | 3.000 Bund 10           | 04.07.2020    | 2 / 10            | 22.0                  | 110.530                 | -0.63 | -0.46        | 110.941       |
| DE000 113541 6 | 2.250 Bund 10           | 04.09.2020    | 3 / 0             | 16.0                  | 108.810                 | -0.62 | -0.45        | 110.986       |
| DE000 114172 9 | 0.250 BO S 172          | 16.10.2020    | 3 / 1             | 19.0                  | 102.700                 | -0.60 | -0.44        | 102.913       |
| DE000 113542 4 | 2.500 Bund 10           | 04.01.2021    | 3 / 4             | 19.0                  | 110.460                 | -0.57 | -0.41        | 112.042       |
| DE000 114173 7 | 0.000 BO S 173          | 09.04.2021    | 3 / 7             | 21.0                  | 101.940                 | -0.53 | -0.39        | 101.940       |
| DE000 113544 0 | 3.250 Bund 11           | 04.07.2021    | 3 / 10            | 19.0                  | 114.690                 | -0.51 | -0.37        | 115.135       |
| DE000 113545 7 | 2.250 Bund 11           | 04.09.2021    | 4 / 0             | 16.0                  | 111.130                 | -0.48 | -0.35        | 113.306       |
| DE000 114174 5 | 0.000 BO S 174          | 08.10.2021    | 4 / 1             | 19.0                  | 101.860                 | -0.45 | -0.33        | 101.860       |
| DE000 113546 5 | 2.000 Bund 11           | 04.01.2022    | 4 / 4             | 20.0                  | 110.710                 | -0.42 | -0.31        | 111.976       |
| DE000 114175 2 | 0.000 BO S 175          | 08.04.2022    | 4 / 7             | 18.0                  | 101.760                 | -0.38 | -0.28        | 101.760       |
| DE000 113547 3 | 1.750 Bund 12           | 04.07.2022    | 4 / 10            | 24.0                  | 110.330                 | -0.35 | -0.26        | 110.570       |
| DE000 113549 9 | 1.500 Bund 12           | 04.09.2022    | 5 / 0             | 18.0                  | 109.290                 | -0.33 | -0.24        | 110.741       |
| DE000 114176 0 | 0.000 BO S 176          | 07.10.2022    | 5 / 1             | 8.0                   | 101.450                 | -0.28 | -0.21        | 101.450       |
| DE000 110230 9 | 1.500 Bund 13           | 15.02.2023    | 5 / 5             | 18.0                  | 109.670                 | -0.25 | -0.18        | 110.447       |
| DE000 103054 2 | 0.100 Bund 12 index.    | 15.04.2023    | 5 / 7             | 16.0                  | 107.780                 | -1.22 | 0.00         | 113.488       |
| DE000 110231 7 | 1.500 Bund 13 II        | 15.05.2023    | 5 / 8             | 18.0                  | 109.900                 | -0.22 | -0.16        | 110.311       |
| DE000 110232 5 | 2.000 Bund 13           | 15.08.2023    | 5 / 11            | 18.0                  | 113.130                 | -0.18 | -0.13        | 113.174       |
| DE000 113492 2 | 6.250 Bund 94           | 04.01.2024    | 6 / 4             | 10.3                  | 140.750                 | -0.12 | -0.09        | 144.705       |
| DE000 110233 3 | 1.750 Bund 14           | 15.02.2024    | 6 / 5             | 18.0                  | 112.220                 | -0.13 | -0.09        | 113.126       |
| DE000 110235 8 | 1.500 Bund 14           | 15.05.2024    | 6 / 8             | 18.0                  | 110.725                 | -0.09 | -0.06        | 111.136       |
| DE000 110236 6 | 1.000 Bund 14           | 15.08.2024    | 6 / 11            | 18.0                  | 107.360                 | -0.05 | -0.04        | 107.382       |
| DE000 110237 4 | 0.500 Bund 15           | 15.02.2025    | 7 / 5             | 23.0                  | 103.530                 | 0.03  | 0.02         | 103.789       |
| DE000 110238 2 | 1.000 Bund 15           | 15.08.2025    | 7 / 11            | 23.0                  | 107.210                 | 0.09  | 0.07         | 107.232       |
| DE000 110239 0 | 0.500 Bund 16           | 15.02.2026    | 8 / 5             | 26.0                  | 102.760                 | 0.17  | 0.13         | 103.019       |
| DE000 103056 7 | 0.100 Bund 15 index.    | 15.04.2026    | 8 / 7             | 11.0                  | 109.840                 | -0.98 | -0.72        | 112.566       |
| DE000 110240 8 | 0.000 Bund 16           | 15.08.2026    | 8 / 11            | 25.0                  | 97.760                  | 0.25  | 0.19         | 97.760        |
| DE000 110241 6 | 0.250 Bund 17           | 15.02.2027    | 9 / 5             | 26.0                  | 99.280                  | 0.33  | 0.24         | 99.432        |
| DE000 113504 4 | 6.500 Bund 97           | 04.07.2027    | 9 / 10            | 11.3                  | 160.235                 | 0.29  | 0.21         | 161.125       |
| DE000 110242 4 | 0.500 Bund 17           | 15.08.2027    | 9 / 11            | 8.0                   | 100.990                 | 0.40  | 0.29         | 101.045       |
| DE000 113506 9 | 5.625 Bund 98           | 04.01.2028    | 10 / 4            | 14.5                  | 153.620                 | 0.35  | 0.25         | 157.180       |
| DE000 113508 5 | 4.750 Bund 98 II        | 04.07.2028    | 10 / 10           | 11.3                  | 146.080                 | 0.41  | 0.29         | 146.731       |
| DE000 113514 3 | 6.250 Bund 00           | 04.01.2030    | 12 / 4            | 9.3                   | 168.760                 | 0.50  | 0.35         | 172.715       |
| DE000 103055 9 | 0.500 Bund 14 index.    | 15.04.2030    | 12 / 7            | 9.0                   | 114.990                 | -0.63 | -            | 118.302       |
| DE000 113517 6 | 5.500 Bund 00           | 04.01.2031    | 13 / 4            | 17.0                  | 163.230                 | 0.57  | 0.40         | 166.711       |
| DE000 113522 6 | 4.750 Bund 03           | 04.07.2034    | 16 / 10           | 20.0                  | 163.110                 | 0.75  | 0.52         | 163.761       |
| DE000 113527 5 | 4.000 Bund 05           | 04.01.2037    | 19 / 4            | 23.0                  | 155.960                 | 0.85  | 0.60         | 158.492       |
| DE000 113532 5 | 4.250 Bund 07           | 04.07.2039    | 21 / 10           | 14.0                  | 165.440                 | 0.93  | 0.65         | 166.022       |
| DE000 113536 6 | 4.750 Bund 08           | 04.07.2040    | 22 / 10           | 16.0                  | 177.780                 | 0.95  | 0.66         | 178.431       |
| DE000 113543 2 | 3.250 Bund 10           | 04.07.2042    | 24 / 10           | 15.0                  | 148.280                 | 1.04  | 0.73         | 148.725       |
| DE000 113548 1 | 2.500 Bund 12           | 04.07.2044    | 26 / 10           | 22.0                  | 132.240                 | 1.11  | 0.79         | 132.582       |
| DE000 103057 5 | 0.100 Bund 15 index. II | 15.04.2046    | 28 / 7            | 6.0                   | 114.100                 | -0.37 | -            | 117.810       |
| DE000 110234 1 | 2.500 Bund 14           | 15.08.2046    | 28 / 11           | 23.0                  | 133.450                 | 1.14  | 0.81         | 133.505       |

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) Net yield after deduction of withholding tax and solidarity surcharge (26.375% in total); deductions for church tax are not included.

5) 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 22.08.17

| ISIN 1)        | Issue 2) 5)             | Maturity date | Residual life y/m | Issue volume €billion | Price 3) as of 22.08.17 | Yield | Net yield 4) | "Dirty price" |
|----------------|-------------------------|---------------|-------------------|-----------------------|-------------------------|-------|--------------|---------------|
| DE000 110461 0 | 0.000 BSA 15 III        | 15.09.2017    | 0 / 0             | 13.0                  | 100.039                 | -0.65 | -0.48        | 100.039       |
| DE000 114164 6 | 0.500 BO S 164          | 13.10.2017    | 0 / 1             | 16.0                  | 100.170                 | -0.74 | -0.54        | 100.602       |
| DE000 110462 8 | 0.000 BSA 15 IV         | 15.12.2017    | 0 / 3             | 13.0                  | 100.226                 | -0.73 | -0.54        | 100.226       |
| DE000 113534 1 | 4.000 Bund 07           | 04.01.2018    | 0 / 4             | 20.0                  | 101.743                 | -0.75 | -0.56        | 104.285       |
| DE000 114165 3 | 0.500 BO S 165          | 23.02.2018    | 0 / 6             | 17.0                  | 100.621                 | -0.73 | -0.54        | 100.870       |
| DE000 110463 6 | 0.000 BSA 16            | 16.03.2018    | 0 / 6             | 13.0                  | 100.410                 | -0.73 | -0.54        | 100.410       |
| DE000 114166 1 | 0.250 BO S 166          | 13.04.2018    | 0 / 7             | 17.0                  | 100.628                 | -0.73 | -0.54        | 100.719       |
| DE000 103053 4 | 0.750 BO 11 index.      | 15.04.2018    | 0 / 7             | 15.0                  | 100.500                 | -0.03 | -            | 108.870       |
| DE000 110464 4 | 0.000 BSA 16 II         | 15.06.2018    | 0 / 9             | 14.0                  | 100.587                 | -0.72 | -0.53        | 100.587       |
| DE000 113535 8 | 4.250 Bund 08           | 04.07.2018    | 0 / 10            | 21.0                  | 104.317                 | -0.73 | -0.54        | 104.911       |
| DE000 110465 1 | 0.000 BSA 16 III        | 14.09.2018    | 1 / 0             | 13.0                  | 100.783                 | -0.73 | -0.54        | 100.783       |
| DE000 114167 9 | 1.000 BO S 167          | 12.10.2018    | 1 / 1             | 17.0                  | 102.006                 | -0.75 | -0.56        | 102.872       |
| DE000 110466 9 | 0.000 BSA 16 IV         | 14.12.2018    | 1 / 3             | 13.0                  | 100.975                 | -0.74 | -0.54        | 100.975       |
| DE000 113537 4 | 3.750 Bund 08           | 04.01.2019    | 1 / 4             | 24.0                  | 106.218                 | -0.76 | -0.56        | 108.602       |
| DE000 114168 7 | 1.000 BO S 168          | 22.02.2019    | 1 / 6             | 16.0                  | 102.661                 | -0.76 | -0.56        | 103.162       |
| DE000 110467 7 | 0.000 BSA 17            | 15.03.2019    | 1 / 6             | 13.0                  | 101.161                 | -0.74 | -0.54        | 101.161       |
| DE000 114169 5 | 0.500 BO S 169          | 12.04.2019    | 1 / 7             | 16.0                  | 102.036                 | -0.73 | -0.54        | 102.220       |
| DE000 110468 5 | 0.000 BSA 17 II         | 14.06.2019    | 1 / 9             | 13.0                  | 101.320                 | -0.72 | -0.53        | 101.320       |
| DE000 113538 2 | 3.500 Bund 09           | 04.07.2019    | 1 / 10            | 24.0                  | 107.966                 | -0.74 | -0.54        | 108.455       |
| DE000 114170 3 | 0.250 BO S 170          | 11.10.2019    | 2 / 1             | 16.0                  | 102.060                 | -0.71 | -0.52        | 102.277       |
| DE000 113539 0 | 3.250 Bund 09           | 04.01.2020    | 2 / 4             | 22.0                  | 109.430                 | -0.69 | -0.51        | 111.496       |
| DE000 103052 6 | 1.750 Bund 09 index.    | 15.04.2020    | 2 / 7             | 16.0                  | 108.250                 | -1.30 | -            | 121.256       |
| DE000 114171 1 | 0.000 BO S 171          | 17.04.2020    | 2 / 7             | 20.0                  | 101.770                 | -0.66 | -0.49        | 101.770       |
| DE000 113540 8 | 3.000 Bund 10           | 04.07.2020    | 2 / 10            | 22.0                  | 110.540                 | -0.64 | -0.47        | 110.959       |
| DE000 113541 6 | 2.250 Bund 10           | 04.09.2020    | 3 / 0             | 16.0                  | 108.830                 | -0.63 | -0.46        | 111.012       |
| DE000 114172 9 | 0.250 BO S 172          | 16.10.2020    | 3 / 1             | 19.0                  | 102.720                 | -0.60 | -0.44        | 102.934       |
| DE000 113542 4 | 2.500 Bund 10           | 04.01.2021    | 3 / 4             | 19.0                  | 110.480                 | -0.58 | -0.42        | 112.069       |
| DE000 114173 7 | 0.000 BO S 173          | 09.04.2021    | 3 / 7             | 21.0                  | 101.960                 | -0.53 | -0.39        | 101.960       |
| DE000 113544 0 | 3.250 Bund 11           | 04.07.2021    | 3 / 10            | 19.0                  | 114.710                 | -0.51 | -0.37        | 115.164       |
| DE000 113545 7 | 2.250 Bund 11           | 04.09.2021    | 4 / 0             | 16.0                  | 111.150                 | -0.48 | -0.35        | 113.332       |
| DE000 114174 5 | 0.000 BO S 174          | 08.10.2021    | 4 / 1             | 19.0                  | 101.880                 | -0.45 | -0.33        | 101.880       |
| DE000 113546 5 | 2.000 Bund 11           | 04.01.2022    | 4 / 4             | 20.0                  | 110.720                 | -0.43 | -0.31        | 111.991       |
| DE000 114175 2 | 0.000 BO S 175          | 08.04.2022    | 4 / 7             | 18.0                  | 101.770                 | -0.38 | -0.28        | 101.770       |
| DE000 113547 3 | 1.750 Bund 12           | 04.07.2022    | 4 / 10            | 24.0                  | 110.360                 | -0.36 | -0.26        | 110.605       |
| DE000 113549 9 | 1.500 Bund 12           | 04.09.2022    | 5 / 0             | 18.0                  | 109.290                 | -0.33 | -0.24        | 110.745       |
| DE000 114176 0 | 0.000 BO S 176          | 07.10.2022    | 5 / 1             | 8.0                   | 101.490                 | -0.29 | -0.21        | 101.490       |
| DE000 110230 9 | 1.500 Bund 13           | 15.02.2023    | 5 / 5             | 18.0                  | 109.670                 | -0.25 | -0.18        | 110.451       |
| DE000 103054 2 | 0.100 Bund 12 index.    | 15.04.2023    | 5 / 7             | 16.0                  | 107.770                 | -1.22 | 0.00         | 113.478       |
| DE000 110231 7 | 1.500 Bund 13 II        | 15.05.2023    | 5 / 8             | 18.0                  | 109.900                 | -0.22 | -0.16        | 110.315       |
| DE000 110232 5 | 2.000 Bund 13           | 15.08.2023    | 5 / 11            | 18.0                  | 113.130                 | -0.18 | -0.13        | 113.179       |
| DE000 113492 2 | 6.250 Bund 94           | 04.01.2024    | 6 / 4             | 10.3                  | 140.730                 | -0.12 | -0.09        | 144.703       |
| DE000 110233 3 | 1.750 Bund 14           | 15.02.2024    | 6 / 5             | 18.0                  | 112.200                 | -0.12 | -0.09        | 113.111       |
| DE000 110235 8 | 1.500 Bund 14           | 15.05.2024    | 6 / 8             | 18.0                  | 110.700                 | -0.09 | -0.06        | 111.115       |
| DE000 110236 6 | 1.000 Bund 14           | 15.08.2024    | 6 / 11            | 18.0                  | 107.330                 | -0.05 | -0.04        | 107.355       |
| DE000 110237 4 | 0.500 Bund 15           | 15.02.2025    | 7 / 5             | 23.0                  | 103.500                 | 0.03  | 0.02         | 103.760       |
| DE000 110238 2 | 1.000 Bund 15           | 15.08.2025    | 7 / 11            | 23.0                  | 107.170                 | 0.10  | 0.07         | 107.195       |
| DE000 110239 0 | 0.500 Bund 16           | 15.02.2026    | 8 / 5             | 26.0                  | 102.720                 | 0.18  | 0.13         | 102.980       |
| DE000 103056 7 | 0.100 Bund 15 index.    | 15.04.2026    | 8 / 7             | 11.0                  | 109.750                 | -0.98 | -0.71        | 112.476       |
| DE000 110240 8 | 0.000 Bund 16           | 15.08.2026    | 8 / 11            | 25.0                  | 97.700                  | 0.26  | 0.19         | 97.700        |
| DE000 110241 6 | 0.250 Bund 17           | 15.02.2027    | 9 / 5             | 26.0                  | 99.210                  | 0.33  | 0.25         | 99.363        |
| DE000 113504 4 | 6.500 Bund 97           | 04.07.2027    | 9 / 10            | 11.3                  | 160.120                 | 0.30  | 0.21         | 161.028       |
| DE000 110242 4 | 0.500 Bund 17           | 15.08.2027    | 9 / 11            | 8.0                   | 100.910                 | 0.41  | 0.30         | 100.966       |
| DE000 113506 9 | 5.625 Bund 98           | 04.01.2028    | 10 / 4            | 14.5                  | 153.510                 | 0.36  | 0.25         | 157.085       |
| DE000 113508 5 | 4.750 Bund 98 II        | 04.07.2028    | 10 / 10           | 11.3                  | 145.970                 | 0.41  | 0.29         | 146.634       |
| DE000 113514 3 | 6.250 Bund 00           | 04.01.2030    | 12 / 4            | 9.3                   | 168.585                 | 0.51  | 0.36         | 172.558       |
| DE000 103055 9 | 0.500 Bund 14 index.    | 15.04.2030    | 12 / 7            | 9.0                   | 115.050                 | -0.64 | -            | 118.366       |
| DE000 113517 6 | 5.500 Bund 00           | 04.01.2031    | 13 / 4            | 17.0                  | 163.030                 | 0.58  | 0.41         | 166.526       |
| DE000 113522 6 | 4.750 Bund 03           | 04.07.2034    | 16 / 10           | 20.0                  | 162.840                 | 0.76  | 0.53         | 163.504       |
| DE000 113527 5 | 4.000 Bund 05           | 04.01.2037    | 19 / 4            | 23.0                  | 155.630                 | 0.87  | 0.61         | 158.172       |
| DE000 113532 5 | 4.250 Bund 07           | 04.07.2039    | 21 / 10           | 14.0                  | 165.010                 | 0.94  | 0.66         | 165.604       |
| DE000 113536 6 | 4.750 Bund 08           | 04.07.2040    | 22 / 10           | 16.0                  | 177.300                 | 0.97  | 0.67         | 177.964       |
| DE000 113543 2 | 3.250 Bund 10           | 04.07.2042    | 24 / 10           | 15.0                  | 147.730                 | 1.06  | 0.75         | 148.184       |
| DE000 113548 1 | 2.500 Bund 12           | 04.07.2044    | 26 / 10           | 22.0                  | 131.690                 | 1.13  | 0.80         | 132.039       |
| DE000 103057 5 | 0.100 Bund 15 index. II | 15.04.2046    | 28 / 7            | 6.0                   | 113.700                 | -0.35 | -            | 117.398       |
| DE000 110234 1 | 2.500 Bund 14           | 15.08.2046    | 28 / 11           | 23.0                  | 132.850                 | 1.16  | 0.83         | 132.912       |

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) Net yield after deduction of withholding tax and solidarity surcharge (26.375% in total); deductions for church tax are not included.

5) 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 23.08.17**

| ISIN 1)        | Issue 2) 5)             | Maturity date | Residual life y/m | Issue volume € billion | Price 3) as of 23.08.17 | Yield | Net yield 4) | "Dirty price" |
|----------------|-------------------------|---------------|-------------------|------------------------|-------------------------|-------|--------------|---------------|
| DE000 110461 0 | 0.000 BSA 15 III        | 15.09.2017    | 0 / 0             | 13.0                   | 100.036                 | -0.63 | -0.46        | 100.036       |
| DE000 114164 6 | 0.500 BO S 164          | 13.10.2017    | 0 / 1             | 16.0                   | 100.168                 | -0.75 | -0.55        | 100.601       |
| DE000 110462 8 | 0.000 BSA 15 IV         | 15.12.2017    | 0 / 3             | 13.0                   | 100.225                 | -0.73 | -0.54        | 100.225       |
| DE000 113534 1 | 4.000 Bund 07           | 04.01.2018    | 0 / 4             | 20.0                   | 101.730                 | -0.75 | -0.56        | 104.283       |
| DE000 114165 3 | 0.500 BO S 165          | 23.02.2018    | 0 / 6             | 17.0                   | 100.618                 | -0.73 | -0.54        | 100.869       |
| DE000 110463 6 | 0.000 BSA 16            | 16.03.2018    | 0 / 6             | 13.0                   | 100.409                 | -0.73 | -0.54        | 100.409       |
| DE000 114166 1 | 0.250 BO S 166          | 13.04.2018    | 0 / 7             | 17.0                   | 100.623                 | -0.73 | -0.54        | 100.715       |
| DE000 103053 4 | 0.750 BO 11 index.      | 15.04.2018    | 0 / 7             | 15.0                   | 100.450                 | 0.04  | -            | 108.818       |
| DE000 110464 4 | 0.000 BSA 16 II         | 15.06.2018    | 0 / 9             | 14.0                   | 100.585                 | -0.72 | -0.53        | 100.585       |
| DE000 113535 8 | 4.250 Bund 08           | 04.07.2018    | 0 / 10            | 21.0                   | 104.299                 | -0.73 | -0.54        | 104.904       |
| DE000 110465 1 | 0.000 BSA 16 III        | 14.09.2018    | 1 / 0             | 13.0                   | 100.777                 | -0.73 | -0.54        | 100.777       |
| DE000 114167 9 | 1.000 BO S 167          | 12.10.2018    | 1 / 1             | 17.0                   | 101.997                 | -0.75 | -0.55        | 102.865       |
| DE000 110466 9 | 0.000 BSA 16 IV         | 14.12.2018    | 1 / 3             | 13.0                   | 100.970                 | -0.74 | -0.54        | 100.970       |
| DE000 113537 4 | 3.750 Bund 08           | 04.01.2019    | 1 / 4             | 24.0                   | 106.199                 | -0.76 | -0.56        | 108.593       |
| DE000 114168 7 | 1.000 BO S 168          | 22.02.2019    | 1 / 5             | 16.0                   | 102.645                 | -0.75 | -0.55        | 103.149       |
| DE000 110467 7 | 0.000 BSA 17            | 15.03.2019    | 1 / 6             | 13.0                   | 101.153                 | -0.74 | -0.54        | 101.153       |
| DE000 114169 5 | 0.500 BO S 169          | 12.04.2019    | 1 / 7             | 16.0                   | 102.024                 | -0.73 | -0.54        | 102.209       |
| DE000 110468 5 | 0.000 BSA 17 II         | 14.06.2019    | 1 / 9             | 13.0                   | 101.315                 | -0.72 | -0.53        | 101.315       |
| DE000 113538 2 | 3.500 Bund 09           | 04.07.2019    | 1 / 10            | 24.0                   | 107.945                 | -0.73 | -0.54        | 108.444       |
| DE000 114170 3 | 0.250 BO S 170          | 11.10.2019    | 2 / 1             | 16.0                   | 102.050                 | -0.70 | -0.52        | 102.268       |
| DE000 113539 0 | 3.250 Bund 09           | 04.01.2020    | 2 / 4             | 22.0                   | 109.420                 | -0.69 | -0.51        | 111.495       |
| DE000 103052 6 | 1.750 Bund 09 index.    | 15.04.2020    | 2 / 7             | 16.0                   | 108.240                 | -1.30 | -            | 121.252       |
| DE000 114171 1 | 0.000 BO S 171          | 17.04.2020    | 2 / 7             | 20.0                   | 101.760                 | -0.66 | -0.48        | 101.760       |
| DE000 113540 8 | 3.000 Bund 10           | 04.07.2020    | 2 / 10            | 22.0                   | 110.530                 | -0.64 | -0.47        | 110.957       |
| DE000 113541 6 | 2.250 Bund 10           | 04.09.2020    | 3 / 0             | 16.0                   | 108.810                 | -0.62 | -0.46        | 110.998       |
| DE000 114172 9 | 0.250 BO S 172          | 16.10.2020    | 3 / 1             | 19.0                   | 102.710                 | -0.60 | -0.44        | 102.924       |
| DE000 113542 4 | 2.500 Bund 10           | 04.01.2021    | 3 / 4             | 19.0                   | 110.460                 | -0.57 | -0.42        | 112.056       |
| DE000 114173 7 | 0.000 BO S 173          | 09.04.2021    | 3 / 7             | 21.0                   | 101.940                 | -0.53 | -0.39        | 101.940       |
| DE000 113544 0 | 3.250 Bund 11           | 04.07.2021    | 3 / 10            | 19.0                   | 114.680                 | -0.51 | -0.37        | 115.143       |
| DE000 113545 7 | 2.250 Bund 11           | 04.09.2021    | 4 / 0             | 16.0                   | 111.120                 | -0.48 | -0.35        | 113.308       |
| DE000 114174 5 | 0.000 BO S 174          | 08.10.2021    | 4 / 1             | 19.0                   | 101.860                 | -0.45 | -0.33        | 101.860       |
| DE000 113546 5 | 2.000 Bund 11           | 04.01.2022    | 4 / 4             | 20.0                   | 110.690                 | -0.42 | -0.31        | 111.967       |
| DE000 114175 2 | 0.000 BO S 175          | 08.04.2022    | 4 / 7             | 18.0                   | 101.740                 | -0.37 | -0.27        | 101.740       |
| DE000 113547 3 | 1.750 Bund 12           | 04.07.2022    | 4 / 10            | 24.0                   | 110.330                 | -0.35 | -0.26        | 110.579       |
| DE000 113549 9 | 1.500 Bund 12           | 04.09.2022    | 5 / 0             | 18.0                   | 109.240                 | -0.32 | -0.23        | 110.699       |
| DE000 114176 0 | 0.000 BO S 176          | 07.10.2022    | 5 / 1             | 8.0                    | 101.460                 | -0.28 | -0.21        | 101.460       |
| DE000 110230 9 | 1.500 Bund 13           | 15.02.2023    | 5 / 5             | 18.0                   | 109.650                 | -0.25 | -0.18        | 110.435       |
| DE000 103054 2 | 0.100 Bund 12 index.    | 15.04.2023    | 5 / 7             | 16.0                   | 107.640                 | -1.20 | 0.00         | 113.342       |
| DE000 110231 7 | 1.500 Bund 13 II        | 15.05.2023    | 5 / 8             | 18.0                   | 109.880                 | -0.21 | -0.16        | 110.299       |
| DE000 110232 5 | 2.000 Bund 13           | 15.08.2023    | 5 / 11            | 18.0                   | 113.120                 | -0.18 | -0.13        | 113.175       |
| DE000 113492 2 | 6.250 Bund 94           | 04.01.2024    | 6 / 4             | 10.3                   | 140.680                 | -0.12 | -0.08        | 144.670       |
| DE000 110233 3 | 1.750 Bund 14           | 15.02.2024    | 6 / 5             | 18.0                   | 112.190                 | -0.12 | -0.09        | 113.106       |
| DE000 110235 8 | 1.500 Bund 14           | 15.05.2024    | 6 / 8             | 18.0                   | 110.700                 | -0.09 | -0.06        | 111.119       |
| DE000 110236 6 | 1.000 Bund 14           | 15.08.2024    | 6 / 11            | 18.0                   | 107.320                 | -0.05 | -0.03        | 107.347       |
| DE000 110237 4 | 0.500 Bund 15           | 15.02.2025    | 7 / 5             | 23.0                   | 103.490                 | 0.03  | 0.02         | 103.752       |
| DE000 110238 2 | 1.000 Bund 15           | 15.08.2025    | 7 / 11            | 23.0                   | 107.160                 | 0.10  | 0.07         | 107.187       |
| DE000 110239 0 | 0.500 Bund 16           | 15.02.2026    | 8 / 5             | 26.0                   | 102.710                 | 0.18  | 0.13         | 102.972       |
| DE000 103056 7 | 0.100 Bund 15 index.    | 15.04.2026    | 8 / 7             | 11.0                   | 109.600                 | -0.96 | -0.70        | 112.323       |
| DE000 110240 8 | 0.000 Bund 16           | 15.08.2026    | 8 / 11            | 25.0                   | 97.700                  | 0.26  | 0.19         | 97.700        |
| DE000 110241 6 | 0.250 Bund 17           | 15.02.2027    | 9 / 5             | 26.0                   | 99.210                  | 0.33  | 0.25         | 99.363        |
| DE000 113504 4 | 6.500 Bund 97           | 04.07.2027    | 9 / 10            | 11.3                   | 160.100                 | 0.30  | 0.21         | 161.026       |
| DE000 110242 4 | 0.500 Bund 17           | 15.08.2027    | 9 / 11            | 11.0                   | 100.900                 | 0.41  | 0.30         | 100.958       |
| DE000 113506 9 | 5.625 Bund 98           | 04.01.2028    | 10 / 4            | 14.5                   | 153.490                 | 0.36  | 0.25         | 157.081       |
| DE000 113508 5 | 4.750 Bund 98 II        | 04.07.2028    | 10 / 10           | 11.3                   | 145.940                 | 0.41  | 0.29         | 146.617       |
| DE000 113514 3 | 6.250 Bund 00           | 04.01.2030    | 12 / 4            | 9.3                    | 168.510                 | 0.52  | 0.36         | 172.500       |
| DE000 103055 9 | 0.500 Bund 14 index.    | 15.04.2030    | 12 / 7            | 9.0                    | 114.950                 | -0.63 | -            | 118.266       |
| DE000 113517 6 | 5.500 Bund 00           | 04.01.2031    | 13 / 4            | 17.0                   | 162.960                 | 0.59  | 0.41         | 166.471       |
| DE000 113522 6 | 4.750 Bund 03           | 04.07.2034    | 16 / 10           | 20.0                   | 162.730                 | 0.77  | 0.54         | 163.407       |
| DE000 113527 5 | 4.000 Bund 05           | 04.01.2037    | 19 / 4            | 23.0                   | 155.470                 | 0.87  | 0.61         | 158.023       |
| DE000 113532 5 | 4.250 Bund 07           | 04.07.2039    | 21 / 10           | 14.0                   | 164.800                 | 0.95  | 0.66         | 165.405       |
| DE000 113536 6 | 4.750 Bund 08           | 04.07.2040    | 22 / 10           | 16.0                   | 177.050                 | 0.97  | 0.67         | 177.727       |
| DE000 113543 2 | 3.250 Bund 10           | 04.07.2042    | 24 / 10           | 15.0                   | 147.540                 | 1.06  | 0.75         | 148.003       |
| DE000 113548 1 | 2.500 Bund 12           | 04.07.2044    | 26 / 10           | 22.0                   | 131.500                 | 1.13  | 0.81         | 131.856       |
| DE000 103057 5 | 0.100 Bund 15 index. II | 15.04.2046    | 28 / 7            | 6.0                    | 113.100                 | -0.34 | -            | 116.779       |
| DE000 110234 1 | 2.500 Bund 14           | 15.08.2046    | 28 / 11           | 23.0                   | 132.666                 | 1.17  | 0.83         | 132.734       |

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) Net yield after deduction of withholding tax and solidarity surcharge (26.375% in total); deductions for church tax are not included.

5) 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 24.08.17**

| ISIN 1)        | Issue 2) 5)             | Maturity date | Residual life y/m | Issue volume € billion | Price 3) as of 24.08.17 | Yield | Net yield 4) | "Dirty price" |
|----------------|-------------------------|---------------|-------------------|------------------------|-------------------------|-------|--------------|---------------|
| DE000 110461 0 | 0.000 BSA 15 III        | 15.09.2017    | 0 / 0             | 13.0                   | 100.030                 | -0.61 | -0.45        | 100.030       |
| DE000 114164 6 | 0.500 BO S 164          | 13.10.2017    | 0 / 1             | 16.0                   | 100.157                 | -0.74 | -0.55        | 100.594       |
| DE000 110462 8 | 0.000 BSA 15 IV         | 15.12.2017    | 0 / 3             | 13.0                   | 100.221                 | -0.74 | -0.54        | 100.221       |
| DE000 113534 1 | 4.000 Bund 07           | 04.01.2018    | 0 / 4             | 20.0                   | 101.700                 | -0.78 | -0.58        | 104.286       |
| DE000 114165 3 | 0.500 BO S 165          | 23.02.2018    | 0 / 5             | 17.0                   | 100.614                 | -0.75 | -0.55        | 100.869       |
| DE000 110463 6 | 0.000 BSA 16            | 16.03.2018    | 0 / 6             | 13.0                   | 100.408                 | -0.74 | -0.55        | 100.408       |
| DE000 114166 1 | 0.250 BO S 166          | 13.04.2018    | 0 / 7             | 17.0                   | 100.619                 | -0.74 | -0.54        | 100.713       |
| DE000 103053 4 | 0.750 BO 11 index.      | 15.04.2018    | 0 / 7             | 15.0                   | 100.470                 | 0.00  | -            | 108.848       |
| DE000 110464 4 | 0.000 BSA 16 II         | 15.06.2018    | 0 / 9             | 14.0                   | 100.589                 | -0.73 | -0.54        | 100.589       |
| DE000 113535 8 | 4.250 Bund 08           | 04.07.2018    | 0 / 10            | 21.0                   | 104.266                 | -0.74 | -0.54        | 104.906       |
| DE000 110465 1 | 0.000 BSA 16 III        | 14.09.2018    | 1 / 0             | 13.0                   | 100.781                 | -0.74 | -0.55        | 100.781       |
| DE000 114167 9 | 1.000 BO S 167          | 12.10.2018    | 1 / 1             | 17.0                   | 101.996                 | -0.76 | -0.56        | 102.873       |
| DE000 110466 9 | 0.000 BSA 16 IV         | 14.12.2018    | 1 / 3             | 13.0                   | 100.977                 | -0.75 | -0.55        | 100.977       |
| DE000 113537 4 | 3.750 Bund 08           | 04.01.2019    | 1 / 4             | 24.0                   | 106.180                 | -0.77 | -0.57        | 108.605       |
| DE000 114168 7 | 1.000 BO S 168          | 22.02.2019    | 1 / 5             | 16.0                   | 102.648                 | -0.76 | -0.56        | 103.160       |
| DE000 110467 7 | 0.000 BSA 17            | 15.03.2019    | 1 / 6             | 13.0                   | 101.168                 | -0.75 | -0.55        | 101.168       |
| DE000 114169 5 | 0.500 BO S 169          | 12.04.2019    | 1 / 7             | 16.0                   | 102.400                 | -0.75 | -0.55        | 102.229       |
| DE000 110468 5 | 0.000 BSA 17 II         | 14.06.2019    | 1 / 9             | 13.0                   | 101.333                 | -0.74 | -0.54        | 101.333       |
| DE000 113538 2 | 3.500 Bund 09           | 04.07.2019    | 1 / 10            | 24.0                   | 107.938                 | -0.75 | -0.55        | 108.465       |
| DE000 114170 3 | 0.250 BO S 170          | 11.10.2019    | 2 / 1             | 16.0                   | 102.090                 | -0.72 | -0.53        | 102.310       |
| DE000 113539 0 | 3.250 Bund 09           | 04.01.2020    | 2 / 4             | 22.0                   | 109.440                 | -0.71 | -0.52        | 111.541       |
| DE000 103052 6 | 1.750 Bund 09 index.    | 15.04.2020    | 2 / 7             | 16.0                   | 108.270                 | -1.32 | -            | 121.303       |
| DE000 114171 1 | 0.000 BO S 171          | 17.04.2020    | 2 / 7             | 20.0                   | 101.820                 | -0.68 | -0.50        | 101.820       |
| DE000 113540 8 | 3.000 Bund 10           | 04.07.2020    | 2 / 10            | 22.0                   | 110.560                 | -0.66 | -0.48        | 111.012       |
| DE000 113541 6 | 2.250 Bund 10           | 04.09.2020    | 3 / 0             | 16.0                   | 108.870                 | -0.65 | -0.47        | 111.077       |
| DE000 114172 9 | 0.250 BO S 172          | 16.10.2020    | 3 / 1             | 19.0                   | 102.785                 | -0.63 | -0.46        | 103.001       |
| DE000 113542 4 | 2.500 Bund 10           | 04.01.2021    | 3 / 4             | 19.0                   | 110.530                 | -0.60 | -0.44        | 112.146       |
| DE000 114173 7 | 0.000 BO S 173          | 09.04.2021    | 3 / 7             | 21.0                   | 102.040                 | -0.56 | -0.41        | 102.040       |
| DE000 113544 0 | 3.250 Bund 11           | 04.07.2021    | 3 / 10            | 19.0                   | 114.770                 | -0.54 | -0.39        | 115.260       |
| DE000 113545 7 | 2.250 Bund 11           | 04.09.2021    | 4 / 0             | 16.0                   | 111.220                 | -0.51 | -0.37        | 113.427       |
| DE000 114174 5 | 0.000 BO S 174          | 08.10.2021    | 4 / 1             | 19.0                   | 101.980                 | -0.48 | -0.35        | 101.980       |
| DE000 113546 5 | 2.000 Bund 11           | 04.01.2022    | 4 / 4             | 20.0                   | 110.810                 | -0.45 | -0.33        | 112.103       |
| DE000 114175 2 | 0.000 BO S 175          | 08.04.2022    | 4 / 7             | 18.0                   | 101.890                 | -0.41 | -0.30        | 101.890       |
| DE000 113547 3 | 1.750 Bund 12           | 04.07.2022    | 4 / 10            | 24.0                   | 110.480                 | -0.39 | -0.28        | 110.744       |
| DE000 113549 9 | 1.500 Bund 12           | 04.09.2022    | 5 / 0             | 18.0                   | 109.400                 | -0.35 | -0.26        | 110.871       |
| DE000 114176 0 | 0.000 BO S 176          | 07.10.2022    | 5 / 1             | 8.0                    | 101.630                 | -0.32 | -0.23        | 101.630       |
| DE000 110230 9 | 1.500 Bund 13           | 15.02.2023    | 5 / 5             | 18.0                   | 109.814                 | -0.28 | -0.20        | 110.611       |
| DE000 103054 2 | 0.100 Bund 12 index.    | 15.04.2023    | 5 / 7             | 16.0                   | 107.850                 | -1.24 | 0.00         | 113.566       |
| DE000 110231 7 | 1.500 Bund 13 II        | 15.05.2023    | 5 / 8             | 18.0                   | 110.050                 | -0.24 | -0.18        | 110.482       |
| DE000 110232 5 | 2.000 Bund 13           | 15.08.2023    | 5 / 11            | 18.0                   | 113.283                 | -0.21 | -0.15        | 113.354       |
| DE000 113492 2 | 6.250 Bund 94           | 04.01.2024    | 6 / 4             | 10.3                   | 140.852                 | -0.15 | -0.10        | 144.893       |
| DE000 110233 3 | 1.750 Bund 14           | 15.02.2024    | 6 / 5             | 18.0                   | 112.372                 | -0.15 | -0.11        | 113.302       |
| DE000 110235 8 | 1.500 Bund 14           | 15.05.2024    | 6 / 8             | 18.0                   | 110.889                 | -0.12 | -0.08        | 111.321       |
| DE000 110236 6 | 1.000 Bund 14           | 15.08.2024    | 6 / 11            | 18.0                   | 107.521                 | -0.08 | -0.06        | 107.557       |
| DE000 110237 4 | 0.500 Bund 15           | 15.02.2025    | 7 / 5             | 23.0                   | 103.713                 | 0.00  | 0.00         | 103.979       |
| DE000 110238 2 | 1.000 Bund 15           | 15.08.2025    | 7 / 11            | 23.0                   | 107.392                 | 0.07  | 0.05         | 107.428       |
| DE000 110239 0 | 0.500 Bund 16           | 15.02.2026    | 8 / 5             | 26.0                   | 102.952                 | 0.15  | 0.11         | 103.218       |
| DE000 103056 7 | 0.100 Bund 15 index.    | 15.04.2026    | 8 / 7             | 11.0                   | 109.975                 | -1.00 | -0.73        | 112.711       |
| DE000 110240 8 | 0.000 Bund 16           | 15.08.2026    | 8 / 11            | 25.0                   | 97.950                  | 0.23  | 0.17         | 97.950        |
| DE000 110241 6 | 0.250 Bund 17           | 15.02.2027    | 9 / 5             | 26.0                   | 99.475                  | 0.31  | 0.23         | 99.630        |
| DE000 113504 4 | 6.500 Bund 97           | 04.07.2027    | 9 / 10            | 11.3                   | 160.423                 | 0.27  | 0.19         | 161.402       |
| DE000 110242 4 | 0.500 Bund 17           | 15.08.2027    | 9 / 11            | 11.0                   | 101.183                 | 0.38  | 0.28         | 101.245       |
| DE000 113506 9 | 5.625 Bund 98           | 04.01.2028    | 10 / 4            | 14.5                   | 153.805                 | 0.33  | 0.23         | 157.442       |
| DE000 113508 5 | 4.750 Bund 98 II        | 04.07.2028    | 10 / 10           | 11.3                   | 146.285                 | 0.39  | 0.27         | 147.001       |
| DE000 113514 3 | 6.250 Bund 00           | 04.01.2030    | 12 / 4            | 9.3                    | 168.990                 | 0.48  | 0.34         | 173.031       |
| DE000 103055 9 | 0.500 Bund 14 index.    | 15.04.2030    | 12 / 7            | 9.0                    | 115.715                 | -0.69 | -            | 119.057       |
| DE000 113517 6 | 5.500 Bund 00           | 04.01.2031    | 13 / 4            | 17.0                   | 163.480                 | 0.55  | 0.39         | 167.036       |
| DE000 113522 6 | 4.750 Bund 03           | 04.07.2034    | 16 / 10           | 20.0                   | 163.430                 | 0.73  | 0.51         | 164.146       |
| DE000 113527 5 | 4.000 Bund 05           | 04.01.2037    | 19 / 4            | 23.0                   | 156.270                 | 0.84  | 0.59         | 158.856       |
| DE000 113532 5 | 4.250 Bund 07           | 04.07.2039    | 21 / 10           | 14.0                   | 165.785                 | 0.91  | 0.64         | 166.425       |
| DE000 113536 6 | 4.750 Bund 08           | 04.07.2040    | 22 / 10           | 16.0                   | 178.135                 | 0.94  | 0.65         | 178.851       |
| DE000 113543 2 | 3.250 Bund 10           | 04.07.2042    | 24 / 10           | 15.0                   | 148.585                 | 1.03  | 0.72         | 149.075       |
| DE000 113548 1 | 2.500 Bund 12           | 04.07.2044    | 26 / 10           | 22.0                   | 132.550                 | 1.09  | 0.78         | 132.927       |
| DE000 103057 5 | 0.100 Bund 15 index. II | 15.04.2046    | 28 / 7            | 6.0                    | 114.670                 | -0.38 | -            | 118.403       |
| DE000 110234 1 | 2.500 Bund 14           | 15.08.2046    | 28 / 11           | 23.0                   | 133.785                 | 1.13  | 0.80         | 133.874       |

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3) Bundesbank reference price on the Frankfurt Stock Exchange

4) Net yield after deduction of withholding tax and solidarity surcharge (26.375% in total); deductions for church tax are not included.

5) 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 25.08.17**

| ISIN 1)        | Issue 2) 5)             | Maturity date | Residual life y/m | Issue volume € billion | Price 3) as of 25.08.17 | Yield | Net yield 4) | "Dirty price" |
|----------------|-------------------------|---------------|-------------------|------------------------|-------------------------|-------|--------------|---------------|
| DE000 110461 0 | 0.000 BSA 15 III        | 15.09.2017    | 0 / 0             | 13.0                   | 100.029                 | -0.59 | -0.43        | 100.029       |
| DE000 114164 6 | 0.500 BO S 164          | 13.10.2017    | 0 / 1             | 16.0                   | 100.153                 | -0.71 | -0.52        | 100.590       |
| DE000 110462 8 | 0.000 BSA 15 IV         | 15.12.2017    | 0 / 3             | 13.0                   | 100.219                 | -0.73 | -0.54        | 100.219       |
| DE000 113534 1 | 4.000 Bund 07           | 04.01.2018    | 0 / 4             | 20.0                   | 101.685                 | -0.74 | -0.55        | 104.271       |
| DE000 114165 3 | 0.500 BO S 165          | 23.02.2018    | 0 / 5             | 17.0                   | 100.616                 | -0.75 | -0.55        | 100.871       |
| DE000 110463 6 | 0.000 BSA 16            | 16.03.2018    | 0 / 6             | 13.0                   | 100.408                 | -0.74 | -0.55        | 100.408       |
| DE000 114166 1 | 0.250 BO S 166          | 13.04.2018    | 0 / 7             | 17.0                   | 100.618                 | -0.73 | -0.54        | 100.712       |
| DE000 103053 4 | 0.750 BO 11 index.      | 15.04.2018    | 0 / 7             | 15.0                   | 100.470                 | 0.00  | -            | 108.848       |
| DE000 110464 4 | 0.000 BSA 16 II         | 15.06.2018    | 0 / 9             | 14.0                   | 100.588                 | -0.73 | -0.54        | 100.588       |
| DE000 113535 8 | 4.250 Bund 08           | 04.07.2018    | 0 / 10            | 21.0                   | 104.253                 | -0.72 | -0.53        | 104.893       |
| DE000 110465 1 | 0.000 BSA 16 III        | 14.09.2018    | 1 / 0             | 13.0                   | 100.778                 | -0.74 | -0.54        | 100.778       |
| DE000 114167 9 | 1.000 BO S 167          | 12.10.2018    | 1 / 1             | 17.0                   | 101.991                 | -0.76 | -0.56        | 102.868       |
| DE000 110466 9 | 0.000 BSA 16 IV         | 14.12.2018    | 1 / 3             | 13.0                   | 100.976                 | -0.75 | -0.55        | 100.976       |
| DE000 113537 4 | 3.750 Bund 08           | 04.01.2019    | 1 / 4             | 24.0                   | 106.167                 | -0.76 | -0.56        | 108.592       |
| DE000 114168 7 | 1.000 BO S 168          | 22.02.2019    | 1 / 5             | 16.0                   | 102.641                 | -0.76 | -0.56        | 103.153       |
| DE000 110467 7 | 0.000 BSA 17            | 15.03.2019    | 1 / 6             | 13.0                   | 101.167                 | -0.75 | -0.55        | 101.167       |
| DE000 114169 5 | 0.500 BO S 169          | 12.04.2019    | 1 / 7             | 16.0                   | 102.037                 | -0.74 | -0.55        | 102.226       |
| DE000 110468 5 | 0.000 BSA 17 II         | 14.06.2019    | 1 / 9             | 13.0                   | 101.329                 | -0.73 | -0.54        | 101.329       |
| DE000 113538 2 | 3.500 Bund 09           | 04.07.2019    | 1 / 10            | 24.0                   | 107.926                 | -0.74 | -0.54        | 108.453       |
| DE000 114170 3 | 0.250 BO S 170          | 11.10.2019    | 2 / 1             | 16.0                   | 102.090                 | -0.72 | -0.53        | 102.310       |
| DE000 113539 0 | 3.250 Bund 09           | 04.01.2020    | 2 / 4             | 22.0                   | 109.410                 | -0.70 | -0.51        | 111.511       |
| DE000 103052 6 | 1.750 Bund 09 index.    | 15.04.2020    | 2 / 7             | 16.0                   | 108.235                 | -1.31 | -            | 121.264       |
| DE000 114171 1 | 0.000 BO S 171          | 17.04.2020    | 2 / 7             | 20.0                   | 101.800                 | -0.67 | -0.50        | 101.800       |
| DE000 113540 8 | 3.000 Bund 10           | 04.07.2020    | 2 / 10            | 22.0                   | 110.540                 | -0.65 | -0.48        | 110.992       |
| DE000 113541 6 | 2.250 Bund 10           | 04.09.2020    | 3 / 0             | 16.0                   | 108.840                 | -0.64 | -0.47        | 111.047       |
| DE000 114172 9 | 0.250 BO S 172          | 16.10.2020    | 3 / 1             | 19.0                   | 102.760                 | -0.62 | -0.45        | 102.976       |
| DE000 113542 4 | 2.500 Bund 10           | 04.01.2021    | 3 / 4             | 19.0                   | 110.490                 | -0.59 | -0.43        | 112.106       |
| DE000 114173 7 | 0.000 BO S 173          | 09.04.2021    | 3 / 7             | 21.0                   | 102.010                 | -0.55 | -0.40        | 102.010       |
| DE000 113544 0 | 3.250 Bund 11           | 04.07.2021    | 3 / 10            | 19.0                   | 114.730                 | -0.53 | -0.38        | 115.220       |
| DE000 113545 7 | 2.250 Bund 11           | 04.09.2021    | 4 / 0             | 16.0                   | 111.190                 | -0.50 | -0.36        | 113.397       |
| DE000 114174 5 | 0.000 BO S 174          | 08.10.2021    | 4 / 1             | 19.0                   | 101.950                 | -0.47 | -0.34        | 101.950       |
| DE000 113546 5 | 2.000 Bund 11           | 04.01.2022    | 4 / 4             | 20.0                   | 110.780                 | -0.45 | -0.33        | 112.073       |
| DE000 114175 2 | 0.000 BO S 175          | 08.04.2022    | 4 / 7             | 18.0                   | 101.850                 | -0.40 | -0.29        | 101.850       |
| DE000 113547 3 | 1.750 Bund 12           | 04.07.2022    | 4 / 10            | 24.0                   | 110.430                 | -0.38 | -0.27        | 110.694       |
| DE000 113549 9 | 1.500 Bund 12           | 04.09.2022    | 5 / 0             | 18.0                   | 109.350                 | -0.34 | -0.25        | 110.821       |
| DE000 114176 0 | 0.000 BO S 176          | 07.10.2022    | 5 / 1             | 8.0                    | 101.580                 | -0.31 | -0.23        | 101.580       |
| DE000 110230 9 | 1.500 Bund 13           | 15.02.2023    | 5 / 5             | 18.0                   | 109.760                 | -0.27 | -0.20        | 110.557       |
| DE000 103054 2 | 0.100 Bund 12 index.    | 15.04.2023    | 5 / 7             | 16.0                   | 107.740                 | -1.22 | 0.00         | 113.450       |
| DE000 110231 7 | 1.500 Bund 13 II        | 15.05.2023    | 5 / 8             | 18.0                   | 110.000                 | -0.24 | -0.17        | 110.432       |
| DE000 110232 5 | 2.000 Bund 13           | 15.08.2023    | 5 / 11            | 18.0                   | 113.220                 | -0.20 | -0.15        | 113.291       |
| DE000 113492 2 | 6.250 Bund 94           | 04.01.2024    | 6 / 4             | 10.3                   | 140.790                 | -0.14 | -0.10        | 144.831       |
| DE000 110233 3 | 1.750 Bund 14           | 15.02.2024    | 6 / 5             | 18.0                   | 112.300                 | -0.14 | -0.10        | 113.230       |
| DE000 110235 8 | 1.500 Bund 14           | 15.05.2024    | 6 / 8             | 18.0                   | 110.810                 | -0.10 | -0.08        | 111.242       |
| DE000 110236 6 | 1.000 Bund 14           | 15.08.2024    | 6 / 11            | 18.0                   | 107.440                 | -0.07 | -0.05        | 107.476       |
| DE000 110237 4 | 0.500 Bund 15           | 15.02.2025    | 7 / 5             | 23.0                   | 103.640                 | 0.01  | 0.01         | 103.906       |
| DE000 110238 2 | 1.000 Bund 15           | 15.08.2025    | 7 / 11            | 23.0                   | 107.300                 | 0.08  | 0.06         | 107.336       |
| DE000 110239 0 | 0.500 Bund 16           | 15.02.2026    | 8 / 5             | 26.0                   | 102.850                 | 0.16  | 0.12         | 103.116       |
| DE000 103056 7 | 0.100 Bund 15 index.    | 15.04.2026    | 8 / 7             | 11.0                   | 109.720                 | -0.97 | -0.71        | 112.449       |
| DE000 110240 8 | 0.000 Bund 16           | 15.08.2026    | 8 / 11            | 25.0                   | 97.810                  | 0.25  | 0.18         | 97.810        |
| DE000 110241 6 | 0.250 Bund 17           | 15.02.2027    | 9 / 5             | 26.0                   | 99.320                  | 0.32  | 0.24         | 99.475        |
| DE000 113504 4 | 6.500 Bund 97           | 04.07.2027    | 9 / 10            | 11.3                   | 160.180                 | 0.29  | 0.20         | 161.159       |
| DE000 110242 4 | 0.500 Bund 17           | 15.08.2027    | 9 / 11            | 11.0                   | 101.020                 | 0.40  | 0.29         | 101.082       |
| DE000 113506 9 | 5.625 Bund 98           | 04.01.2028    | 10 / 4            | 14.5                   | 153.560                 | 0.35  | 0.24         | 157.197       |
| DE000 113508 5 | 4.750 Bund 98 II        | 04.07.2028    | 10 / 10           | 11.3                   | 146.040                 | 0.40  | 0.29         | 146.756       |
| DE000 113514 3 | 6.250 Bund 00           | 04.01.2030    | 12 / 4            | 9.3                    | 168.620                 | 0.51  | 0.35         | 172.661       |
| DE000 103055 9 | 0.500 Bund 14 index.    | 15.04.2030    | 12 / 7            | 9.0                    | 115.130                 | -0.65 | -            | 118.456       |
| DE000 113517 6 | 5.500 Bund 00           | 04.01.2031    | 13 / 4            | 17.0                   | 163.060                 | 0.58  | 0.40         | 166.616       |
| DE000 113522 6 | 4.750 Bund 03           | 04.07.2034    | 16 / 10           | 20.0                   | 162.860                 | 0.76  | 0.53         | 163.576       |
| DE000 113527 5 | 4.000 Bund 05           | 04.01.2037    | 19 / 4            | 23.0                   | 155.600                 | 0.87  | 0.61         | 158.186       |
| DE000 113532 5 | 4.250 Bund 07           | 04.07.2039    | 21 / 10           | 14.0                   | 164.910                 | 0.95  | 0.66         | 165.550       |
| DE000 113536 6 | 4.750 Bund 08           | 04.07.2040    | 22 / 10           | 16.0                   | 177.150                 | 0.97  | 0.67         | 177.866       |
| DE000 113543 2 | 3.250 Bund 10           | 04.07.2042    | 24 / 10           | 15.0                   | 147.620                 | 1.06  | 0.75         | 148.110       |
| DE000 113548 1 | 2.500 Bund 12           | 04.07.2044    | 26 / 10           | 22.0                   | 131.590                 | 1.13  | 0.81         | 131.967       |
| DE000 103057 5 | 0.100 Bund 15 index. II | 15.04.2046    | 28 / 7            | 6.0                    | 113.320                 | -0.34 | -            | 117.009       |
| DE000 110234 1 | 2.500 Bund 14           | 15.08.2046    | 28 / 11           | 23.0                   | 132.770                 | 1.16  | 0.83         | 132.859       |

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4) Net yield after deduction of withholding tax and solidarity surcharge (26.375% in total); deductions for church tax are not included.

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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 28.08.17**

| ISIN 1)        | Issue 2) 5)             | Maturity date | Residual life y/m | Issue volume € billion | Price 3) as of 28.08.17 | Yield | Net yield 4) | "Dirty price" |
|----------------|-------------------------|---------------|-------------------|------------------------|-------------------------|-------|--------------|---------------|
| DE000 110461 0 | 0.000 BSA 15 III        | 15.09.2017    | 0 / 0             | 13.0                   | 100.026                 | -0.59 | -0.44        | 100.026       |
| DE000 114164 6 | 0.500 BO S 164          | 13.10.2017    | 0 / 1             | 16.0                   | 100.151                 | -0.75 | -0.55        | 100.591       |
| DE000 110462 8 | 0.000 BSA 15 IV         | 15.12.2017    | 0 / 3             | 13.0                   | 100.215                 | -0.73 | -0.54        | 100.215       |
| DE000 113534 1 | 4.000 Bund 07           | 04.01.2018    | 0 / 4             | 20.0                   | 101.675                 | -0.78 | -0.58        | 104.283       |
| DE000 114165 3 | 0.500 BO S 165          | 23.02.2018    | 0 / 5             | 17.0                   | 100.615                 | -0.76 | -0.56        | 100.873       |
| DE000 110463 6 | 0.000 BSA 16            | 16.03.2018    | 0 / 6             | 13.0                   | 100.407                 | -0.75 | -0.55        | 100.407       |
| DE000 114166 1 | 0.250 BO S 166          | 13.04.2018    | 0 / 7             | 17.0                   | 100.618                 | -0.74 | -0.55        | 100.713       |
| DE000 103053 4 | 0.750 BO 11 index.      | 15.04.2018    | 0 / 7             | 15.0                   | 100.480                 | -0.02 | -            | 108.866       |
| DE000 110464 4 | 0.000 BSA 16 II         | 15.06.2018    | 0 / 9             | 14.0                   | 100.590                 | -0.74 | -0.55        | 100.590       |
| DE000 113535 8 | 4.250 Bund 08           | 04.07.2018    | 0 / 10            | 21.0                   | 104.245                 | -0.74 | -0.55        | 104.909       |
| DE000 110465 1 | 0.000 BSA 16 III        | 14.09.2018    | 1 / 0             | 13.0                   | 100.784                 | -0.75 | -0.55        | 100.784       |
| DE000 114167 9 | 1.000 BO S 167          | 12.10.2018    | 1 / 1             | 17.0                   | 101.993                 | -0.77 | -0.57        | 102.875       |
| DE000 110466 9 | 0.000 BSA 16 IV         | 14.12.2018    | 1 / 3             | 13.0                   | 100.981                 | -0.75 | -0.55        | 100.981       |
| DE000 113537 4 | 3.750 Bund 08           | 04.01.2019    | 1 / 4             | 24.0                   | 106.162                 | -0.78 | -0.57        | 108.607       |
| DE000 114168 7 | 1.000 BO S 168          | 22.02.2019    | 1 / 5             | 16.0                   | 102.647                 | -0.77 | -0.57        | 103.165       |
| DE000 110467 7 | 0.000 BSA 17            | 15.03.2019    | 1 / 6             | 13.0                   | 101.171                 | -0.75 | -0.55        | 101.171       |
| DE000 114169 5 | 0.500 BO S 169          | 12.04.2019    | 1 / 7             | 16.0                   | 102.045                 | -0.75 | -0.55        | 102.237       |
| DE000 110468 5 | 0.000 BSA 17 II         | 14.06.2019    | 1 / 9             | 13.0                   | 101.341                 | -0.74 | -0.55        | 101.341       |
| DE000 113538 2 | 3.500 Bund 09           | 04.07.2019    | 1 / 10            | 24.0                   | 107.927                 | -0.75 | -0.55        | 108.474       |
| DE000 114170 3 | 0.250 BO S 170          | 11.10.2019    | 2 / 1             | 16.0                   | 102.097                 | -0.73 | -0.54        | 102.318       |
| DE000 113539 0 | 3.250 Bund 09           | 04.01.2020    | 2 / 4             | 22.0                   | 109.415                 | -0.71 | -0.52        | 111.534       |
| DE000 103052 6 | 1.750 Bund 09 index.    | 15.04.2020    | 2 / 7             | 16.0                   | 108.240                 | -1.31 | -            | 121.283       |
| DE000 114171 1 | 0.000 BO S 171          | 17.04.2020    | 2 / 7             | 20.0                   | 101.810                 | -0.68 | -0.50        | 101.810       |
| DE000 113540 8 | 3.000 Bund 10           | 04.07.2020    | 2 / 10            | 22.0                   | 110.545                 | -0.66 | -0.48        | 111.013       |
| DE000 113541 6 | 2.250 Bund 10           | 04.09.2020    | 3 / 0             | 16.0                   | 108.850                 | -0.65 | -0.47        | 111.069       |
| DE000 114172 9 | 0.250 BO S 172          | 16.10.2020    | 3 / 1             | 19.0                   | 102.780                 | -0.63 | -0.46        | 102.998       |
| DE000 113542 4 | 2.500 Bund 10           | 04.01.2021    | 3 / 4             | 19.0                   | 110.515                 | -0.60 | -0.44        | 112.145       |
| DE000 114173 7 | 0.000 BO S 173          | 09.04.2021    | 3 / 7             | 21.0                   | 102.040                 | -0.56 | -0.41        | 102.040       |
| DE000 113544 0 | 3.250 Bund 11           | 04.07.2021    | 3 / 10            | 19.0                   | 114.755                 | -0.54 | -0.39        | 115.263       |
| DE000 113545 7 | 2.250 Bund 11           | 04.09.2021    | 4 / 0             | 16.0                   | 111.220                 | -0.51 | -0.37        | 113.439       |
| DE000 114174 5 | 0.000 BO S 174          | 08.10.2021    | 4 / 1             | 19.0                   | 101.985                 | -0.48 | -0.35        | 101.985       |
| DE000 113546 5 | 2.000 Bund 11           | 04.01.2022    | 4 / 4             | 20.0                   | 110.815                 | -0.46 | -0.33        | 112.119       |
| DE000 114175 2 | 0.000 BO S 175          | 08.04.2022    | 4 / 7             | 18.0                   | 101.900                 | -0.41 | -0.30        | 101.900       |
| DE000 113547 3 | 1.750 Bund 12           | 04.07.2022    | 4 / 10            | 24.0                   | 110.480                 | -0.39 | -0.28        | 110.753       |
| DE000 113549 9 | 1.500 Bund 12           | 04.09.2022    | 5 / 0             | 18.0                   | 109.400                 | -0.35 | -0.26        | 110.879       |
| DE000 114176 0 | 0.000 BO S 176          | 07.10.2022    | 5 / 1             | 8.0                    | 101.635                 | -0.32 | -0.23        | 101.635       |
| DE000 110230 9 | 1.500 Bund 13           | 15.02.2023    | 5 / 5             | 18.0                   | 109.840                 | -0.28 | -0.21        | 110.645       |
| DE000 103054 2 | 0.100 Bund 12 index.    | 15.04.2023    | 5 / 7             | 16.0                   | 107.700                 | -1.21 | 0.00         | 113.410       |
| DE000 110231 7 | 1.500 Bund 13 II        | 15.05.2023    | 5 / 8             | 18.0                   | 110.080                 | -0.25 | -0.18        | 110.520       |
| DE000 110232 5 | 2.000 Bund 13           | 15.08.2023    | 5 / 11            | 18.0                   | 113.300                 | -0.22 | -0.16        | 113.382       |
| DE000 113492 2 | 6.250 Bund 94           | 04.01.2024    | 6 / 4             | 10.3                   | 140.900                 | -0.16 | -0.11        | 144.975       |
| DE000 110233 3 | 1.750 Bund 14           | 15.02.2024    | 6 / 5             | 18.0                   | 112.385                 | -0.16 | -0.11        | 113.325       |
| DE000 110235 8 | 1.500 Bund 14           | 15.05.2024    | 6 / 8             | 18.0                   | 110.900                 | -0.12 | -0.09        | 111.340       |
| DE000 110236 6 | 1.000 Bund 14           | 15.08.2024    | 6 / 11            | 18.0                   | 107.530                 | -0.08 | -0.06        | 107.571       |
| DE000 110237 4 | 0.500 Bund 15           | 15.02.2025    | 7 / 5             | 23.0                   | 103.730                 | 0.00  | 0.00         | 103.998       |
| DE000 110238 2 | 1.000 Bund 15           | 15.08.2025    | 7 / 11            | 23.0                   | 107.410                 | 0.07  | 0.05         | 107.451       |
| DE000 110239 0 | 0.500 Bund 16           | 15.02.2026    | 8 / 5             | 26.0                   | 102.965                 | 0.15  | 0.11         | 103.233       |
| DE000 103056 7 | 0.100 Bund 15 index.    | 15.04.2026    | 8 / 7             | 11.0                   | 109.810                 | -0.98 | -0.72        | 112.543       |
| DE000 110240 8 | 0.000 Bund 16           | 15.08.2026    | 8 / 11            | 25.0                   | 97.940                  | 0.23  | 0.17         | 97.940        |
| DE000 110241 6 | 0.250 Bund 17           | 15.02.2027    | 9 / 5             | 26.0                   | 99.460                  | 0.31  | 0.23         | 99.617        |
| DE000 113504 4 | 6.500 Bund 97           | 04.07.2027    | 9 / 10            | 11.3                   | 160.360                 | 0.28  | 0.19         | 161.375       |
| DE000 110242 4 | 0.500 Bund 17           | 15.08.2027    | 9 / 11            | 11.0                   | 101.160                 | 0.38  | 0.28         | 101.224       |
| DE000 113506 9 | 5.625 Bund 98           | 04.01.2028    | 10 / 4            | 14.5                   | 153.750                 | 0.33  | 0.23         | 157.418       |
| DE000 113508 5 | 4.750 Bund 98 II        | 04.07.2028    | 10 / 10           | 11.3                   | 146.220                 | 0.39  | 0.27         | 146.962       |
| DE000 113514 3 | 6.250 Bund 00           | 04.01.2030    | 12 / 4            | 9.3                    | 168.860                 | 0.49  | 0.34         | 172.935       |
| DE000 103055 9 | 0.500 Bund 14 index.    | 15.04.2030    | 12 / 7            | 9.0                    | 115.270                 | -0.66 | -            | 118.605       |
| DE000 113517 6 | 5.500 Bund 00           | 04.01.2031    | 13 / 4            | 17.0                   | 163.320                 | 0.56  | 0.39         | 166.906       |
| DE000 113522 6 | 4.750 Bund 03           | 04.07.2034    | 16 / 10           | 20.0                   | 163.180                 | 0.74  | 0.52         | 163.922       |
| DE000 113527 5 | 4.000 Bund 05           | 04.01.2037    | 19 / 4            | 23.0                   | 155.940                 | 0.85  | 0.60         | 158.548       |
| DE000 113532 5 | 4.250 Bund 07           | 04.07.2039    | 21 / 10           | 14.0                   | 165.310                 | 0.93  | 0.65         | 165.974       |
| DE000 113536 6 | 4.750 Bund 08           | 04.07.2040    | 22 / 10           | 16.0                   | 177.600                 | 0.95  | 0.66         | 178.342       |
| DE000 113543 2 | 3.250 Bund 10           | 04.07.2042    | 24 / 10           | 15.0                   | 148.040                 | 1.04  | 0.74         | 148.548       |
| DE000 113548 1 | 2.500 Bund 12           | 04.07.2044    | 26 / 10           | 22.0                   | 132.000                 | 1.11  | 0.80         | 132.390       |
| DE000 103057 5 | 0.100 Bund 15 index. II | 15.04.2046    | 28 / 7            | 6.0                    | 113.790                 | -0.36 | -            | 117.497       |
| DE000 110234 1 | 2.500 Bund 14           | 15.08.2046    | 28 / 11           | 23.0                   | 133.200                 | 1.15  | 0.82         | 133.303       |

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) Net yield after deduction of withholding tax and solidarity surcharge (26.375% in total); deductions for church tax are not included.

5) 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 29.08.17

| ISIN 1)        | Issue 2) 5)             | Maturity date | Residual life y/m | Issue volume € billion | Price 3) as of 29.08.17 | Yield | Net yield 4) | "Dirty price" |
|----------------|-------------------------|---------------|-------------------|------------------------|-------------------------|-------|--------------|---------------|
| DE000 110461 0 | 0.000 BSA 15 III        | 15.09.2017    | 0 / 0             | 13.0                   | 100.028                 | -0.68 | -0.50        | 100.028       |
| DE000 114164 6 | 0.500 BO S 164          | 13.10.2017    | 0 / 1             | 16.0                   | 100.149                 | -0.76 | -0.56        | 100.590       |
| DE000 110462 8 | 0.000 BSA 15 IV         | 15.12.2017    | 0 / 3             | 13.0                   | 100.221                 | -0.76 | -0.56        | 100.221       |
| DE000 113534 1 | 4.000 Bund 07           | 04.01.2018    | 0 / 4             | 20.0                   | 101.666                 | -0.79 | -0.59        | 104.285       |
| DE000 114165 3 | 0.500 BO S 165          | 23.02.2018    | 0 / 5             | 17.0                   | 100.614                 | -0.77 | -0.56        | 100.873       |
| DE000 110463 6 | 0.000 BSA 16            | 16.03.2018    | 0 / 6             | 13.0                   | 100.414                 | -0.76 | -0.56        | 100.414       |
| DE000 114166 1 | 0.250 BO S 166          | 13.04.2018    | 0 / 7             | 17.0                   | 100.624                 | -0.76 | -0.56        | 100.720       |
| DE000 103053 4 | 0.750 BO 11 index.      | 15.04.2018    | 0 / 7             | 15.0                   | 100.470                 | -0.01 | -            | 108.857       |
| DE000 110464 4 | 0.000 BSA 16 II         | 15.06.2018    | 0 / 9             | 14.0                   | 100.599                 | -0.75 | -0.56        | 100.599       |
| DE000 113535 8 | 4.250 Bund 08           | 04.07.2018    | 0 / 10            | 21.0                   | 104.245                 | -0.76 | -0.56        | 104.920       |
| DE000 110465 1 | 0.000 BSA 16 III        | 14.09.2018    | 1 / 0             | 13.0                   | 100.802                 | -0.77 | -0.56        | 100.802       |
| DE000 114167 9 | 1.000 BO S 167          | 12.10.2018    | 1 / 1             | 17.0                   | 102.012                 | -0.79 | -0.58        | 102.897       |
| DE000 110466 9 | 0.000 BSA 16 IV         | 14.12.2018    | 1 / 3             | 13.0                   | 101.006                 | -0.77 | -0.57        | 101.006       |
| DE000 113537 4 | 3.750 Bund 08           | 04.01.2019    | 1 / 4             | 24.0                   | 106.181                 | -0.80 | -0.59        | 108.636       |
| DE000 114168 7 | 1.000 BO S 168          | 22.02.2019    | 1 / 5             | 16.0                   | 102.677                 | -0.79 | -0.58        | 103.198       |
| DE000 110467 7 | 0.000 BSA 17            | 15.03.2019    | 1 / 6             | 13.0                   | 101.205                 | -0.78 | -0.57        | 101.205       |
| DE000 114169 5 | 0.500 BO S 169          | 12.04.2019    | 1 / 7             | 16.0                   | 102.081                 | -0.78 | -0.57        | 102.274       |
| DE000 110468 5 | 0.000 BSA 17 II         | 14.06.2019    | 1 / 9             | 13.0                   | 101.384                 | -0.77 | -0.56        | 101.384       |
| DE000 113538 2 | 3.500 Bund 09           | 04.07.2019    | 1 / 10            | 24.0                   | 107.962                 | -0.78 | -0.57        | 108.518       |
| DE000 110469 3 | 0.000 BSA               | 13.09.2019    | 2 / 0             | 5.0                    | 101.510                 | -0.73 | -0.54        | 101.510       |
| DE000 114170 3 | 0.250 BO S 170          | 11.10.2019    | 2 / 1             | 16.0                   | 102.160                 | -0.76 | -0.56        | 102.382       |
| DE000 113539 0 | 3.250 Bund 09           | 04.01.2020    | 2 / 4             | 22.0                   | 109.490                 | -0.75 | -0.55        | 111.618       |
| DE000 103052 6 | 1.750 Bund 09 index.    | 15.04.2020    | 2 / 7             | 16.0                   | 108.410                 | -1.38 | -            | 121.477       |
| DE000 114171 1 | 0.000 BO S 171          | 17.04.2020    | 2 / 7             | 20.0                   | 101.900                 | -0.71 | -0.52        | 101.900       |
| DE000 113540 8 | 3.000 Bund 10           | 04.07.2020    | 2 / 10            | 22.0                   | 110.655                 | -0.70 | -0.51        | 111.132       |
| DE000 113541 6 | 2.250 Bund 10           | 04.09.2020    | 3 / 0             | 16.0                   | 108.970                 | -0.69 | -0.50        | 111.195       |
| DE000 114172 9 | 0.250 BO S 172          | 16.10.2020    | 3 / 1             | 19.0                   | 102.910                 | -0.67 | -0.49        | 103.128       |
| DE000 113542 4 | 2.500 Bund 10           | 04.01.2021    | 3 / 4             | 19.0                   | 110.655                 | -0.64 | -0.47        | 112.292       |
| DE000 114173 7 | 0.000 BO S 173          | 09.04.2021    | 3 / 7             | 21.0                   | 102.205                 | -0.60 | -0.44        | 102.205       |
| DE000 113544 0 | 3.250 Bund 11           | 04.07.2021    | 3 / 10            | 19.0                   | 114.945                 | -0.59 | -0.43        | 115.461       |
| DE000 113545 7 | 2.250 Bund 11           | 04.09.2021    | 4 / 0             | 16.0                   | 111.425                 | -0.56 | -0.41        | 113.650       |
| DE000 114174 5 | 0.000 BO S 174          | 08.10.2021    | 4 / 1             | 19.0                   | 102.200                 | -0.53 | -0.39        | 102.200       |
| DE000 113546 5 | 2.000 Bund 11           | 04.01.2022    | 4 / 4             | 20.0                   | 111.055                 | -0.51 | -0.37        | 112.365       |
| DE000 114175 2 | 0.000 BO S 175          | 08.04.2022    | 4 / 7             | 18.0                   | 102.155                 | -0.46 | -0.34        | 102.155       |
| DE000 113547 3 | 1.750 Bund 12           | 04.07.2022    | 4 / 10            | 24.0                   | 110.760                 | -0.44 | -0.32        | 111.038       |
| DE000 113549 9 | 1.500 Bund 12           | 04.09.2022    | 5 / 0             | 18.0                   | 109.690                 | -0.41 | -0.30        | 111.174       |
| DE000 114176 0 | 0.000 BO S 176          | 07.10.2022    | 5 / 1             | 8.0                    | 101.925                 | -0.37 | -0.27        | 101.925       |
| DE000 110230 9 | 1.500 Bund 13           | 15.02.2023    | 5 / 5             | 18.0                   | 110.140                 | -0.34 | -0.25        | 110.950       |
| DE000 103054 2 | 0.100 Bund 12 index.    | 15.04.2023    | 5 / 7             | 16.0                   | 107.980                 | -1.26 | 0.00         | 113.706       |
| DE000 110231 7 | 1.500 Bund 13 II        | 15.05.2023    | 5 / 8             | 18.0                   | 110.400                 | -0.30 | -0.22        | 110.844       |
| DE000 110232 5 | 2.000 Bund 13           | 15.08.2023    | 5 / 11            | 18.0                   | 113.635                 | -0.27 | -0.19        | 113.723       |
| DE000 113492 2 | 6.250 Bund 94           | 04.01.2024    | 6 / 4             | 10.3                   | 141.330                 | -0.21 | -0.15        | 145.422       |
| DE000 110233 3 | 1.750 Bund 14           | 15.02.2024    | 6 / 5             | 18.0                   | 112.780                 | -0.21 | -0.15        | 113.725       |
| DE000 110235 8 | 1.500 Bund 14           | 15.05.2024    | 6 / 8             | 18.0                   | 111.300                 | -0.17 | -0.13        | 111.744       |
| DE000 110236 6 | 1.000 Bund 14           | 15.08.2024    | 6 / 11            | 18.0                   | 107.950                 | -0.14 | -0.10        | 107.994       |
| DE000 110237 4 | 0.500 Bund 15           | 15.02.2025    | 7 / 5             | 23.0                   | 104.180                 | -0.06 | -0.04        | 104.450       |
| DE000 110238 2 | 1.000 Bund 15           | 15.08.2025    | 7 / 11            | 23.0                   | 107.910                 | 0.01  | 0.00         | 107.954       |
| DE000 110239 0 | 0.500 Bund 16           | 15.02.2026    | 8 / 5             | 26.0                   | 103.490                 | 0.09  | 0.06         | 103.760       |
| DE000 103056 7 | 0.100 Bund 15 index.    | 15.04.2026    | 8 / 7             | 11.0                   | 110.360                 | -1.04 | -0.76        | 113.108       |
| DE000 110240 8 | 0.000 Bund 16           | 15.08.2026    | 8 / 11            | 25.0                   | 98.490                  | 0.17  | 0.13         | 98.490        |
| DE000 110241 6 | 0.250 Bund 17           | 15.02.2027    | 9 / 5             | 26.0                   | 100.010                 | 0.25  | 0.18         | 100.167       |
| DE000 113504 4 | 6.500 Bund 97           | 04.07.2027    | 9 / 10            | 11.3                   | 161.130                 | 0.22  | 0.15         | 162.163       |
| DE000 110242 4 | 0.500 Bund 17           | 15.08.2027    | 9 / 11            | 11.0                   | 101.740                 | 0.32  | 0.24         | 101.806       |
| DE000 113506 9 | 5.625 Bund 98           | 04.01.2028    | 10 / 4            | 14.5                   | 154.540                 | 0.27  | 0.19         | 158.223       |
| DE000 113508 5 | 4.750 Bund 98 II        | 04.07.2028    | 10 / 10           | 11.3                   | 147.020                 | 0.33  | 0.23         | 147.775       |
| DE000 113514 3 | 6.250 Bund 00           | 04.01.2030    | 12 / 4            | 9.3                    | 169.860                 | 0.43  | 0.30         | 173.952       |
| DE000 103055 9 | 0.500 Bund 14 index.    | 15.04.2030    | 12 / 7            | 9.0                    | 116.090                 | -0.71 | -            | 119.449       |
| DE000 113517 6 | 5.500 Bund 00           | 04.01.2031    | 13 / 4            | 17.0                   | 164.400                 | 0.50  | 0.35         | 168.001       |
| DE000 113522 6 | 4.750 Bund 03           | 04.07.2034    | 16 / 10           | 20.0                   | 164.500                 | 0.68  | 0.48         | 165.255       |
| DE000 113527 5 | 4.000 Bund 05           | 04.01.2037    | 19 / 4            | 23.0                   | 157.440                 | 0.79  | 0.55         | 160.059       |
| DE000 113532 5 | 4.250 Bund 07           | 04.07.2039    | 21 / 10           | 14.0                   | 167.030                 | 0.87  | 0.60         | 167.705       |
| DE000 113536 6 | 4.750 Bund 08           | 04.07.2040    | 22 / 10           | 16.0                   | 179.480                 | 0.89  | 0.61         | 180.235       |
| DE000 113543 2 | 3.250 Bund 10           | 04.07.2042    | 24 / 10           | 15.0                   | 149.800                 | 0.98  | 0.69         | 150.316       |
| DE000 113548 1 | 2.500 Bund 12           | 04.07.2044    | 26 / 10           | 22.0                   | 133.700                 | 1.05  | 0.75         | 134.097       |
| DE000 103057 5 | 0.100 Bund 15 index. II | 15.04.2046    | 28 / 7            | 6.0                    | 116.010                 | -0.42 | -            | 119.789       |
| DE000 110234 1 | 2.500 Bund 14           | 15.08.2046    | 28 / 11           | 23.0                   | 135.020                 | 1.08  | 0.77         | 135.130       |

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) Net yield after deduction of withholding tax and solidarity surcharge (26.375% in total); deductions for church tax are not included.

5) 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 30.08.17**

| ISIN 1)        | Issue 2) 5)             | Maturity date | Residual life y/m | Issue volume € billion | Price 3) as of 30.08.17 | Yield | Net yield 4) | "Dirty price" |
|----------------|-------------------------|---------------|-------------------|------------------------|-------------------------|-------|--------------|---------------|
| DE000 110461 0 | 0.000 BSA 15 III        | 15.09.2017    | 0 / 0             | 13.0                   | 100.024                 | -0.63 | -0.46        | 100.024       |
| DE000 114164 6 | 0.500 BO S 164          | 13.10.2017    | 0 / 1             | 16.0                   | 100.144                 | -0.75 | -0.55        | 100.586       |
| DE000 110462 8 | 0.000 BSA 15 IV         | 15.12.2017    | 0 / 3             | 13.0                   | 100.218                 | -0.76 | -0.56        | 100.218       |
| DE000 113534 1 | 4.000 Bund 07           | 04.01.2018    | 0 / 4             | 20.0                   | 101.650                 | -0.78 | -0.58        | 104.280       |
| DE000 114165 3 | 0.500 BO S 165          | 23.02.2018    | 0 / 5             | 17.0                   | 100.612                 | -0.77 | -0.57        | 100.872       |
| DE000 110463 6 | 0.000 BSA 16            | 16.03.2018    | 0 / 6             | 13.0                   | 100.409                 | -0.76 | -0.56        | 100.409       |
| DE000 114166 1 | 0.250 BO S 166          | 13.04.2018    | 0 / 7             | 17.0                   | 100.619                 | -0.75 | -0.55        | 100.716       |
| DE000 103053 4 | 0.750 BO 11 index.      | 15.04.2018    | 0 / 7             | 15.0                   | 100.460                 | 0.01  | -            | 108.850       |
| DE000 110464 4 | 0.000 BSA 16 II         | 15.06.2018    | 0 / 9             | 14.0                   | 100.599                 | -0.76 | -0.56        | 100.599       |
| DE000 113535 8 | 4.250 Bund 08           | 04.07.2018    | 0 / 10            | 21.0                   | 104.227                 | -0.75 | -0.56        | 104.914       |
| DE000 110465 1 | 0.000 BSA 16 III        | 14.09.2018    | 1 / 0             | 13.0                   | 100.788                 | -0.76 | -0.56        | 100.788       |
| DE000 114167 9 | 1.000 BO S 167          | 12.10.2018    | 1 / 1             | 17.0                   | 101.991                 | -0.77 | -0.57        | 102.879       |
| DE000 110466 9 | 0.000 BSA 16 IV         | 14.12.2018    | 1 / 3             | 13.0                   | 100.992                 | -0.77 | -0.56        | 100.992       |
| DE000 113537 4 | 3.750 Bund 08           | 04.01.2019    | 1 / 4             | 24.0                   | 106.152                 | -0.79 | -0.58        | 108.618       |
| DE000 114168 7 | 1.000 BO S 168          | 22.02.2019    | 1 / 5             | 16.0                   | 102.654                 | -0.78 | -0.57        | 103.177       |
| DE000 110467 7 | 0.000 BSA 17            | 15.03.2019    | 1 / 6             | 13.0                   | 101.180                 | -0.76 | -0.56        | 101.180       |
| DE000 114169 5 | 0.500 BO S 169          | 12.04.2019    | 1 / 7             | 16.0                   | 102.062                 | -0.77 | -0.56        | 102.257       |
| DE000 110468 5 | 0.000 BSA 17 II         | 14.06.2019    | 1 / 9             | 13.0                   | 101.368                 | -0.76 | -0.56        | 101.368       |
| DE000 113538 2 | 3.500 Bund 09           | 04.07.2019    | 1 / 10            | 24.0                   | 107.935                 | -0.77 | -0.56        | 108.501       |
| DE000 110469 3 | 0.000 BSA               | 13.09.2019    | 2 / 0             | 5.0                    | 101.505                 | -0.73 | -0.54        | 101.505       |
| DE000 114170 3 | 0.250 BO S 170          | 11.10.2019    | 2 / 1             | 16.0                   | 102.130                 | -0.75 | -0.55        | 102.353       |
| DE000 113539 0 | 3.250 Bund 09           | 04.01.2020    | 2 / 4             | 22.0                   | 109.450                 | -0.73 | -0.54        | 111.587       |
| DE000 103052 6 | 1.750 Bund 09 index.    | 15.04.2020    | 2 / 7             | 16.0                   | 108.390                 | -1.37 | -            | 121.462       |
| DE000 114171 1 | 0.000 BO S 171          | 17.04.2020    | 2 / 7             | 20.0                   | 101.870                 | -0.70 | -0.52        | 101.870       |
| DE000 113540 8 | 3.000 Bund 10           | 04.07.2020    | 2 / 10            | 22.0                   | 110.610                 | -0.69 | -0.50        | 111.095       |
| DE000 113541 6 | 2.250 Bund 10           | 04.09.2020    | 3 / 0             | 16.0                   | 108.920                 | -0.68 | -0.49        | 111.152       |
| DE000 114172 9 | 0.250 BO S 172          | 16.10.2020    | 3 / 1             | 19.0                   | 102.860                 | -0.65 | -0.48        | 103.079       |
| DE000 113542 4 | 2.500 Bund 10           | 04.01.2021    | 3 / 4             | 19.0                   | 110.600                 | -0.63 | -0.46        | 112.244       |
| DE000 114173 7 | 0.000 BO S 173          | 09.04.2021    | 3 / 7             | 21.0                   | 102.150                 | -0.59 | -0.43        | 102.150       |
| DE000 113544 0 | 3.250 Bund 11           | 04.07.2021    | 3 / 10            | 19.0                   | 114.870                 | -0.57 | -0.41        | 115.395       |
| DE000 113545 7 | 2.250 Bund 11           | 04.09.2021    | 4 / 0             | 16.0                   | 111.350                 | -0.54 | -0.40        | 113.582       |
| DE000 114174 5 | 0.000 BO S 174          | 08.10.2021    | 4 / 1             | 19.0                   | 102.140                 | -0.51 | -0.38        | 102.140       |
| DE000 113546 5 | 2.000 Bund 11           | 04.01.2022    | 4 / 4             | 20.0                   | 110.970                 | -0.49 | -0.36        | 112.285       |
| DE000 114175 2 | 0.000 BO S 175          | 08.04.2022    | 4 / 7             | 18.0                   | 102.070                 | -0.44 | -0.33        | 102.070       |
| DE000 113547 3 | 1.750 Bund 12           | 04.07.2022    | 4 / 10            | 24.0                   | 110.670                 | -0.43 | -0.31        | 110.953       |
| DE000 113549 9 | 1.500 Bund 12           | 04.09.2022    | 5 / 0             | 18.0                   | 109.600                 | -0.39 | -0.29        | 111.088       |
| DE000 114176 0 | 0.000 BO S 176          | 07.10.2022    | 5 / 1             | 8.0                    | 101.830                 | -0.36 | -0.26        | 101.830       |
| DE000 110230 9 | 1.500 Bund 13           | 15.02.2023    | 5 / 5             | 18.0                   | 110.020                 | -0.32 | -0.23        | 110.834       |
| DE000 103054 2 | 0.100 Bund 12 index.    | 15.04.2023    | 5 / 7             | 16.0                   | 108.050                 | -1.27 | 0.00         | 113.781       |
| DE000 110231 7 | 1.500 Bund 13 II        | 15.05.2023    | 5 / 8             | 18.0                   | 110.270                 | -0.28 | -0.21        | 110.718       |
| DE000 110232 5 | 2.000 Bund 13           | 15.08.2023    | 5 / 11            | 18.0                   | 113.510                 | -0.25 | -0.18        | 113.603       |
| DE000 113492 2 | 6.250 Bund 94           | 04.01.2024    | 6 / 4             | 10.3                   | 141.120                 | -0.19 | -0.13        | 145.230       |
| DE000 110233 3 | 1.750 Bund 14           | 15.02.2024    | 6 / 5             | 18.0                   | 112.620                 | -0.19 | -0.14        | 113.569       |
| DE000 110235 8 | 1.500 Bund 14           | 15.05.2024    | 6 / 8             | 18.0                   | 111.140                 | -0.15 | -0.11        | 111.588       |
| DE000 110236 6 | 1.000 Bund 14           | 15.08.2024    | 6 / 11            | 18.0                   | 107.790                 | -0.12 | -0.08        | 107.837       |
| DE000 110237 4 | 0.500 Bund 15           | 15.02.2025    | 7 / 5             | 23.0                   | 104.000                 | -0.04 | -0.03        | 104.271       |
| DE000 110238 2 | 1.000 Bund 15           | 15.08.2025    | 7 / 11            | 23.0                   | 107.700                 | 0.03  | 0.02         | 107.747       |
| DE000 110239 0 | 0.500 Bund 16           | 15.02.2026    | 8 / 5             | 26.0                   | 103.290                 | 0.11  | 0.08         | 103.561       |
| DE000 103056 7 | 0.100 Bund 15 index.    | 15.04.2026    | 8 / 7             | 11.0                   | 110.350                 | -1.04 | -0.76        | 113.098       |
| DE000 110240 8 | 0.000 Bund 16           | 15.08.2026    | 8 / 11            | 25.0                   | 98.250                  | 0.20  | 0.15         | 98.250        |
| DE000 110241 6 | 0.250 Bund 17           | 15.02.2027    | 9 / 5             | 26.0                   | 99.750                  | 0.28  | 0.20         | 99.908        |
| DE000 113504 4 | 6.500 Bund 97           | 04.07.2027    | 9 / 10            | 11.3                   | 160.760                 | 0.24  | 0.17         | 161.811       |
| DE000 110242 4 | 0.500 Bund 17           | 15.08.2027    | 9 / 11            | 11.0                   | 101.480                 | 0.35  | 0.26         | 101.547       |
| DE000 113506 9 | 5.625 Bund 98           | 04.01.2028    | 10 / 4            | 14.5                   | 154.200                 | 0.30  | 0.21         | 157.899       |
| DE000 113508 5 | 4.750 Bund 98 II        | 04.07.2028    | 10 / 10           | 11.3                   | 146.700                 | 0.35  | 0.25         | 147.468       |
| DE000 113514 3 | 6.250 Bund 00           | 04.01.2030    | 12 / 4            | 9.3                    | 169.400                 | 0.45  | 0.32         | 173.510       |
| DE000 103055 9 | 0.500 Bund 14 index.    | 15.04.2030    | 12 / 7            | 9.0                    | 116.060                 | -0.71 | -            | 119.421       |
| DE000 113517 6 | 5.500 Bund 00           | 04.01.2031    | 13 / 4            | 17.0                   | 163.930                 | 0.53  | 0.37         | 167.546       |
| DE000 113522 6 | 4.750 Bund 03           | 04.07.2034    | 16 / 10           | 20.0                   | 163.950                 | 0.71  | 0.49         | 164.718       |
| DE000 113527 5 | 4.000 Bund 05           | 04.01.2037    | 19 / 4            | 23.0                   | 156.850                 | 0.81  | 0.57         | 159.480       |
| DE000 113532 5 | 4.250 Bund 07           | 04.07.2039    | 21 / 10           | 14.0                   | 166.350                 | 0.89  | 0.62         | 167.037       |
| DE000 113536 6 | 4.750 Bund 08           | 04.07.2040    | 22 / 10           | 16.0                   | 178.750                 | 0.91  | 0.63         | 179.518       |
| DE000 113543 2 | 3.250 Bund 10           | 04.07.2042    | 24 / 10           | 15.0                   | 149.150                 | 1.00  | 0.71         | 149.675       |
| DE000 113548 1 | 2.500 Bund 12           | 04.07.2044    | 26 / 10           | 22.0                   | 133.100                 | 1.07  | 0.77         | 133.504       |
| DE000 103057 5 | 0.100 Bund 15 index. II | 15.04.2046    | 28 / 7            | 6.0                    | 115.560                 | -0.41 | -            | 119.326       |
| DE000 110234 1 | 2.500 Bund 14           | 15.08.2046    | 28 / 11           | 23.0                   | 134.350                 | 1.11  | 0.79         | 134.466       |

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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) Net yield after deduction of withholding tax and solidarity surcharge (26.375% in total); deductions for church tax are not included.

5) 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 31.08.17

| ISIN 1)        | Issue 2) 5)             | Maturity date | Residual life y/m | Issue volume € billion | Price 3) as of 31.08.17 | Yield | Net yield 4) | "Dirty price" |
|----------------|-------------------------|---------------|-------------------|------------------------|-------------------------|-------|--------------|---------------|
| DE000 110461 0 | 0.000 BSA 15 III        | 15.09.2017    | 0 / 0             | 13.0                   | 100.020                 | -0.66 | -0.49        | 100.020       |
| DE000 114164 6 | 0.500 BO S 164          | 13.10.2017    | 0 / 1             | 16.0                   | 100.135                 | -0.76 | -0.56        | 100.582       |
| DE000 110462 8 | 0.000 BSA 15 IV         | 15.12.2017    | 0 / 3             | 13.0                   | 100.215                 | -0.77 | -0.57        | 100.215       |
| DE000 113534 1 | 4.000 Bund 07           | 04.01.2018    | 0 / 4             | 20.0                   | 101.620                 | -0.81 | -0.60        | 104.283       |
| DE000 114165 3 | 0.500 BO S 165          | 23.02.2018    | 0 / 5             | 17.0                   | 100.610                 | -0.79 | -0.58        | 100.874       |
| DE000 110463 6 | 0.000 BSA 16            | 16.03.2018    | 0 / 6             | 13.0                   | 100.405                 | -0.76 | -0.56        | 100.405       |
| DE000 114166 1 | 0.250 BO S 166          | 13.04.2018    | 0 / 7             | 17.0                   | 100.615                 | -0.76 | -0.56        | 100.714       |
| DE000 103053 4 | 0.750 BO 11 index.      | 15.04.2018    | 0 / 7             | 15.0                   | 100.500                 | -0.07 | -            | 108.843       |
| DE000 110464 4 | 0.000 BSA 16 II         | 15.06.2018    | 0 / 9             | 14.0                   | 100.595                 | -0.76 | -0.56        | 100.595       |
| DE000 113535 8 | 4.250 Bund 08           | 04.07.2018    | 0 / 10            | 21.0                   | 104.185                 | -0.75 | -0.56        | 104.907       |
| DE000 110465 1 | 0.000 BSA 16 III        | 14.09.2018    | 1 / 0             | 13.0                   | 100.785                 | -0.76 | -0.56        | 100.785       |
| DE000 114167 9 | 1.000 BO S 167          | 12.10.2018    | 1 / 1             | 17.0                   | 101.980                 | -0.78 | -0.57        | 102.876       |
| DE000 110466 9 | 0.000 BSA 16 IV         | 14.12.2018    | 1 / 3             | 13.0                   | 100.986                 | -0.77 | -0.56        | 100.986       |
| DE000 113537 4 | 3.750 Bund 08           | 04.01.2019    | 1 / 4             | 24.0                   | 106.120                 | -0.79 | -0.58        | 108.617       |
| DE000 114168 7 | 1.000 BO S 168          | 22.02.2019    | 1 / 5             | 16.0                   | 102.640                 | -0.78 | -0.57        | 103.172       |
| DE000 110467 7 | 0.000 BSA 17            | 15.03.2019    | 1 / 6             | 13.0                   | 101.180                 | -0.77 | -0.56        | 101.180       |
| DE000 114169 5 | 0.500 BO S 169          | 12.04.2019    | 1 / 7             | 16.0                   | 102.050                 | -0.77 | -0.56        | 102.249       |
| DE000 110468 5 | 0.000 BSA 17 II         | 14.06.2019    | 1 / 9             | 13.0                   | 101.362                 | -0.76 | -0.56        | 101.362       |
| DE000 113538 2 | 3.500 Bund 09           | 04.07.2019    | 1 / 10            | 24.0                   | 107.900                 | -0.77 | -0.56        | 108.495       |
| DE000 110469 3 | 0.000 BSA               | 13.09.2019    | 2 / 0             | 5.0                    | 101.500                 | -0.73 | -0.54        | 101.500       |
| DE000 114170 3 | 0.250 BO S 170          | 11.10.2019    | 2 / 1             | 16.0                   | 102.100                 | -0.74 | -0.54        | 102.325       |
| DE000 113539 0 | 3.250 Bund 09           | 04.01.2020    | 2 / 4             | 22.0                   | 109.400                 | -0.73 | -0.53        | 111.564       |
| DE000 103052 6 | 1.750 Bund 09 index.    | 15.04.2020    | 2 / 7             | 16.0                   | 108.330                 | -1.36 | -            | 121.348       |
| DE000 114171 1 | 0.000 BO S 171          | 17.04.2020    | 2 / 7             | 20.0                   | 101.840                 | -0.69 | -0.51        | 101.840       |
| DE000 113540 8 | 3.000 Bund 10           | 04.07.2020    | 2 / 10            | 22.0                   | 110.550                 | -0.68 | -0.50        | 111.060       |
| DE000 113541 6 | 2.250 Bund 10           | 04.09.2020    | 3 / 0             | 16.0                   | 108.870                 | -0.67 | -0.49        | 108.870       |
| DE000 114172 9 | 0.250 BO S 172          | 16.10.2020    | 3 / 1             | 19.0                   | 102.820                 | -0.64 | -0.47        | 103.041       |
| DE000 113542 4 | 2.500 Bund 10           | 04.01.2021    | 3 / 4             | 19.0                   | 110.530                 | -0.62 | -0.45        | 112.194       |
| DE000 114173 7 | 0.000 BO S 173          | 09.04.2021    | 3 / 7             | 21.0                   | 102.100                 | -0.58 | -0.42        | 102.100       |
| DE000 113544 0 | 3.250 Bund 11           | 04.07.2021    | 3 / 10            | 19.0                   | 114.780                 | -0.56 | -0.40        | 115.332       |
| DE000 113545 7 | 2.250 Bund 11           | 04.09.2021    | 4 / 0             | 16.0                   | 111.260                 | -0.53 | -0.38        | 111.260       |
| DE000 114174 5 | 0.000 BO S 174          | 08.10.2021    | 4 / 1             | 19.0                   | 102.060                 | -0.50 | -0.37        | 102.060       |
| DE000 113546 5 | 2.000 Bund 11           | 04.01.2022    | 4 / 4             | 20.0                   | 110.870                 | -0.48 | -0.35        | 112.202       |
| DE000 114175 2 | 0.000 BO S 175          | 08.04.2022    | 4 / 7             | 18.0                   | 101.980                 | -0.43 | -0.31        | 101.980       |
| DE000 113547 3 | 1.750 Bund 12           | 04.07.2022    | 4 / 10            | 24.0                   | 110.540                 | -0.41 | -0.30        | 110.837       |
| DE000 113549 9 | 1.500 Bund 12           | 04.09.2022    | 5 / 0             | 18.0                   | 109.480                 | -0.37 | -0.27        | 109.480       |
| DE000 114176 0 | 0.000 BO S 176          | 07.10.2022    | 5 / 1             | 8.0                    | 101.720                 | -0.33 | -0.25        | 101.720       |
| DE000 110230 9 | 1.500 Bund 13           | 15.02.2023    | 5 / 5             | 18.0                   | 109.925                 | -0.30 | -0.22        | 110.751       |
| DE000 103054 2 | 0.100 Bund 12 index.    | 15.04.2023    | 5 / 7             | 16.0                   | 107.910                 | -1.25 | 0.00         | 113.575       |
| DE000 110231 7 | 1.500 Bund 13 II        | 15.05.2023    | 5 / 8             | 18.0                   | 110.180                 | -0.27 | -0.20        | 110.640       |
| DE000 110232 5 | 2.000 Bund 13           | 15.08.2023    | 5 / 11            | 18.0                   | 113.410                 | -0.24 | -0.17        | 113.520       |
| DE000 113492 2 | 6.250 Bund 94           | 04.01.2024    | 6 / 4             | 10.3                   | 140.980                 | -0.18 | -0.13        | 145.141       |
| DE000 110233 3 | 1.750 Bund 14           | 15.02.2024    | 6 / 5             | 18.0                   | 112.510                 | -0.18 | -0.13        | 113.474       |
| DE000 110235 8 | 1.500 Bund 14           | 15.05.2024    | 6 / 8             | 18.0                   | 111.030                 | -0.14 | -0.10        | 111.490       |
| DE000 110236 6 | 1.000 Bund 14           | 15.08.2024    | 6 / 11            | 18.0                   | 107.680                 | -0.10 | -0.07        | 107.735       |
| DE000 110237 4 | 0.500 Bund 15           | 15.02.2025    | 7 / 5             | 23.0                   | 103.890                 | -0.02 | -0.02        | 104.165       |
| DE000 110238 2 | 1.000 Bund 15           | 15.08.2025    | 7 / 11            | 23.0                   | 107.580                 | 0.04  | 0.03         | 107.635       |
| DE000 110239 0 | 0.500 Bund 16           | 15.02.2026    | 8 / 5             | 26.0                   | 103.150                 | 0.12  | 0.09         | 103.425       |
| DE000 103056 7 | 0.100 Bund 15 index.    | 15.04.2026    | 8 / 7             | 11.0                   | 110.150                 | -1.02 | -0.74        | 112.836       |
| DE000 110240 8 | 0.000 Bund 16           | 15.08.2026    | 8 / 11            | 25.0                   | 98.110                  | 0.21  | 0.16         | 98.110        |
| DE000 110241 6 | 0.250 Bund 17           | 15.02.2027    | 9 / 5             | 26.0                   | 99.600                  | 0.29  | 0.22         | 99.760        |
| DE000 113504 4 | 6.500 Bund 97           | 04.07.2027    | 9 / 10            | 11.3                   | 160.520                 | 0.26  | 0.18         | 161.624       |
| DE000 110242 4 | 0.500 Bund 17           | 15.08.2027    | 9 / 11            | 11.0                   | 101.310                 | 0.37  | 0.27         | 101.381       |
| DE000 113506 9 | 5.625 Bund 98           | 04.01.2028    | 10 / 4            | 14.5                   | 153.950                 | 0.31  | 0.22         | 157.695       |
| DE000 113508 5 | 4.750 Bund 98 II        | 04.07.2028    | 10 / 10           | 11.3                   | 146.450                 | 0.37  | 0.26         | 147.257       |
| DE000 113514 3 | 6.250 Bund 00           | 04.01.2030    | 12 / 4            | 9.3                    | 169.120                 | 0.47  | 0.33         | 173.281       |
| DE000 103055 9 | 0.500 Bund 14 index.    | 15.04.2030    | 12 / 7            | 9.0                    | 115.880                 | -0.70 | -            | 119.178       |
| DE000 113517 6 | 5.500 Bund 00           | 04.01.2031    | 13 / 4            | 17.0                   | 163.620                 | 0.54  | 0.38         | 167.282       |
| DE000 113522 6 | 4.750 Bund 03           | 04.07.2034    | 16 / 10           | 20.0                   | 163.610                 | 0.72  | 0.50         | 164.417       |
| DE000 113527 5 | 4.000 Bund 05           | 04.01.2037    | 19 / 4            | 23.0                   | 156.450                 | 0.83  | 0.58         | 159.113       |
| DE000 113532 5 | 4.250 Bund 07           | 04.07.2039    | 21 / 10           | 14.0                   | 165.930                 | 0.91  | 0.63         | 166.652       |
| DE000 113536 6 | 4.750 Bund 08           | 04.07.2040    | 22 / 10           | 16.0                   | 178.290                 | 0.93  | 0.64         | 179.097       |
| DE000 113543 2 | 3.250 Bund 10           | 04.07.2042    | 24 / 10           | 15.0                   | 148.720                 | 1.02  | 0.72         | 149.272       |
| DE000 113548 1 | 2.500 Bund 12           | 04.07.2044    | 26 / 10           | 22.0                   | 132.690                 | 1.09  | 0.78         | 133.115       |
| DE000 103057 5 | 0.100 Bund 15 index. II | 15.04.2046    | 28 / 7            | 6.0                    | 115.230                 | -0.40 | -            | 118.924       |
| DE000 110234 1 | 2.500 Bund 14           | 15.08.2046    | 28 / 11           | 23.0                   | 133.940                 | 1.12  | 0.80         | 134.077       |

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