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II

(Non-legislative acts)

INTERNATIONAL AGREEMENTS

Notice concerning the date of entry into force of the Free Trade Agreement between the European Union and the Republic of Singapore

The Free Trade Agreement between the European Union and the Republic of Singapore ⁽¹⁾, signed in Brussels on 19 October 2018, will enter into force on 21 November 2019.

⁽¹⁾ OJ L 294, 14.11.2019, p. 1.

REGULATIONS

COMMISSION REGULATION (EU) 2019/1901

of 7 November 2019

amending Regulation (EC) No 1881/2006 as regards maximum levels of citrinin in food supplements based on rice fermented with red yeast *Monascus purpureus*

(Text with EEA relevance)

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Council Regulation (EEC) No 315/93 of 8 February 1993 laying down Community procedures for contaminants in food ⁽¹⁾, and in particular Article 2(3) thereof,

Whereas:

- (1) Commission Regulation (EC) No 1881/2006 ⁽²⁾ sets maximum levels for citrinin in food supplements based on rice fermented with red yeast *Monascus purpureus*.
- (2) Following a request from the Commission to deliver a scientific opinion on the health risks from citrinin in food and feed, on 2 March 2012, the Scientific Panel on Contaminants in the Food Chain of the European Food Safety Authority ('the Authority') adopted an opinion on the risks for public and animal health related to the presence of citrinin in food and feed ⁽³⁾. The Scientific Panel on Contaminants concluded that based on the available data, a concern for genotoxicity and carcinogenicity could not be excluded as regards citrinin at the level of no concern for nephrotoxicity.
- (3) Data available on the presence of citrinin in certain red yeast rice preparations revealed high levels of citrinin in those preparations. Therefore, a maximum level for citrinin in red yeast rice preparations was established in Regulation (EC) No 1881/2006. Given the gaps in knowledge as regards the presence of citrinin in red yeast rice preparations and in other foodstuffs and the remaining uncertainties as regards its carcinogenicity and genotoxicity, a review of the maximum level was considered to be appropriate.
- (4) In 2015, the Authority published a call for proposals to investigate the concentrations of citrinin in food samples with special focus on grains and grain-based products from different geographic regions in Europe. The report describing the outcome of these investigations 'Occurrence of citrinin in food' ⁽⁴⁾ was published in 2017. Representative data on the occurrence of citrinin in food in Europe were obtained, mainly in cereals and cereal products and food supplements based on rice fermented with red yeast.

⁽¹⁾ OJ L 37, 13.2.1993, p. 1.

⁽²⁾ Commission Regulation (EC) No 1881/2006 of 19 December 2006 setting maximum levels for certain contaminants in foodstuffs (OJ L 364, 20.12.2006, p. 5).

⁽³⁾ EFSA Panel on Contaminants in the Food Chain (CONTAM); Scientific Opinion on the risks for public and animal health related to the presence of citrinin in food and feed. EFSA Journal 2012;10(3):2605. [82 pp.] Available online: www.efsa.europa.eu/efsajournal

⁽⁴⁾ López P, de Nijs M, Spanjer M, Pietri A, Bertuzzi T, Starski A, Postupolski J, Castellari M and Hortós M, 2017. Generation of occurrence data on citrinin in food. EFSA supporting publication 2017:EN-1177. 47 pp.

- (5) The new occurrence data on citrinin indicate that there is no need to establish the maximum levels of citrinin in food other than red yeast rice supplements. However, for citrinin in food supplements containing red yeast *Monascus purpureus* the obtained representative occurrence data provide evidence that the maximum level should be lowered. No new toxicity data on citrinin, requiring an update of the Authority's assessment of the risks of citrinin for public health, have become available. Therefore, the uncertainties as regards the genotoxicity and carcinogenicity of citrinin remain. It is therefore necessary for the protection of public health that the levels of citrinin in food are as low as reasonable achievable. This is particularly relevant for food supplements based on rice fermented with red yeast as data provide evidence that very high levels of citrinin can be found in certain samples of these products, resulting in a high exposure to citrinin for consumers of these products. At the same time, according to the available data, it follows that by applying good manufacturing processes low levels of citrinin in food supplements based on rice fermented with red yeast *Monascus purpureus* can be achieved. Given the remaining uncertainties as regards the toxicity of citrinin and the feasibility to achieve low levels of citrinin by applying good manufacturing practices, it is appropriate to lower the maximum level for citrinin in food supplements based on rice fermented with red yeast *Monascus purpureus* to ensure a high level of human health protection.
- (6) A reasonable period should be provided to allow the Member States and food business operators to adapt to the new requirements set out in this Regulation. Regulation (EC) No 1881/2006 should therefore be amended accordingly.
- (7) The measures provided for in this Regulation are in accordance with the opinion of the Standing Committee on Plants, Animals, Food and Feed,

HAS ADOPTED THIS REGULATION:

Article 1

The Annex to Regulation (EC) No 1881/2006 is amended in accordance with the Annex to this Regulation.

Article 2

Food supplements based on rice fermented with red yeast *Monascus purpureus* that were lawfully placed on the market before the entry into force of this Regulation may remain on the market until their date of minimum durability or use-by-date.

Article 3

This Regulation shall enter into force on the twentieth day following that of its publication in the *Official Journal of the European Union*.

It shall apply from 1 April 2020.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Done at Brussels, 7 November 2019.

For the Commission
The President
Jean-Claude JUNCKER

ANNEX

The Annex to Regulation (EC) No 1881/2006 is amended as follows:

- (1) In section 2 of the Annex to Regulation (EC) No 1881/2006, the following entry 2.8.1 is replaced by:

Foodstuffs ⁽¹⁾		Maximum levels (µg/kg)
2.8	Citrinin	
2.8.1	Food supplements based on rice fermented with red yeast <i>Monascus purpureus</i>	100'

- (2) The footnote '(*) The maximum level is to be reviewed before 1 January 2016 in the light of information on exposure to citrinin from other foodstuffs and updated information on the toxicity of citrinin in particular as regards carcinogenicity and genotoxicity' is deleted.
-

COMMISSION IMPLEMENTING REGULATION (EU) 2019/1902**of 7 November 2019****laying down technical information for the calculation of technical provisions and basic own funds for reporting with reference dates from 30 September 2019 until 30 December 2019 in accordance with Directive 2009/138/EC of the European Parliament and of the Council on the taking-up and pursuit of the business of Insurance and Reinsurance****(Text with EEA relevance)**

THE EUROPEAN COMMISSION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Directive 2009/138/EC of the European Parliament and of the Council of 25 November 2009 on the taking-up and pursuit of the business of Insurance and Reinsurance (Solvency II) ⁽¹⁾, and in particular the third subparagraph of Article 77e(2) thereof,

Whereas:

- (1) In order to ensure uniform conditions for the calculation of technical provisions and basic own funds by insurance and reinsurance undertakings for the purposes of Directive 2009/138/EC, technical information on relevant risk-free interest rate term structures, fundamental spreads for the calculation of the matching adjustment and volatility adjustments should be laid down for every reference date.
- (2) Insurance and re-insurance undertakings should use the technical information, which is based on market data related to the end of the last month preceding the first reporting reference date to which this Regulation applies. On 7 October 2019, the European Insurance and Occupational Pensions Authority provided the Commission with the technical information related to end of September 2019 market data. That information was published on 7 October 2019 in accordance with Article 77e(1) of Directive 2009/138/EC.
- (3) Given the need for the immediate availability of the technical information, it is important that this Regulation enters into force as a matter of urgency.
- (4) For prudential reasons it is necessary that insurance and reinsurance undertakings use the same technical information for calculating technical provisions and basic own funds irrespective of the date on which they report to their competent authorities. This Regulation should therefore apply from the first reporting reference date to which this Regulation applies.
- (5) To provide legal certainty as soon as possible, it is duly justified on imperative grounds of urgency related to the availability of the relevant risk-free interest rate term structure that measures provided for in this Regulation be adopted in accordance with Article 8, in conjunction with Article 4, of Regulation (EU) No 182/2011 of the European Parliament and of the Council ⁽²⁾,

HAS ADOPTED THIS REGULATION:

Article 1

1. Insurance and reinsurance undertakings shall use the technical information referred to in paragraph 2 when calculating technical provisions and basic own funds for reporting with reference dates from 30 September 2019 until 30 December 2019.
2. For each relevant currency, the technical information used to calculate the best estimate in accordance with Article 77 of Directive 2009/138/EC, the matching adjustment in accordance with Article 77c of that Directive and the volatility adjustment in accordance with Article 77d of that Directive shall be the following:
 - (a) the relevant risk-free rate term structures set out in Annex I;

⁽¹⁾ OJ L 335, 17.12.2009, p. 1.⁽²⁾ Regulation (EU) No 182/2011 of the European Parliament and of the Council of 16 February 2011 laying down the rules and general principles concerning mechanisms for control by Member States of the Commission's exercise of implementing powers (OJ L 55, 28.2.2011, p. 13).

- (b) the fundamental spreads for the calculation of the matching adjustment set out in Annex II;
- (c) for each relevant national insurance market, the volatility adjustments set out in Annex III.

Article 2

This Regulation shall enter into force on the day following that of its publication in the *Official Journal of the European Union*.
It shall apply from 30 September 2019.

This Regulation shall be binding in its entirety and directly applicable in all Member States.

Done at Brussels, 7 November 2019.

For the Commission
The President
Jean-Claude JUNCKER

ANNEX I

Relevant risk-free interest rate term structures to calculate the best estimate, without any matching adjustment or volatility adjustment

Term to maturity (in years)	Euro	Czech koruna	Danish krone	Forint	Krona	Kuna
1	-0,525 %	2,085 %	-0,535 %	0,017 %	-0,174 %	-0,052 %
2	-0,553 %	1,994 %	-0,563 %	0,227 %	-0,190 %	-0,020 %
3	-0,559 %	1,870 %	-0,569 %	0,342 %	-0,190 %	-0,009 %
4	-0,534 %	1,734 %	-0,544 %	0,702 %	-0,178 %	0,011 %
5	-0,505 %	1,599 %	-0,515 %	0,916 %	-0,135 %	0,103 %
6	-0,467 %	1,477 %	-0,477 %	1,225 %	-0,085 %	0,216 %
7	-0,420 %	1,379 %	-0,430 %	1,457 %	-0,026 %	0,311 %
8	-0,366 %	1,307 %	-0,376 %	1,630 %	0,038 %	0,372 %
9	-0,309 %	1,259 %	-0,319 %	1,767 %	0,098 %	0,407 %
10	-0,254 %	1,231 %	-0,265 %	1,875 %	0,154 %	0,466 %
11	-0,202 %	1,214 %	-0,212 %	1,971 %	0,302 %	0,546 %
12	-0,150 %	1,212 %	-0,160 %	2,060 %	0,500 %	0,638 %
13	-0,099 %	1,227 %	-0,109 %	2,144 %	0,706 %	0,737 %
14	-0,055 %	1,257 %	-0,065 %	2,224 %	0,904 %	0,838 %
15	-0,024 %	1,299 %	-0,034 %	2,301 %	1,087 %	0,938 %
16	-0,007 %	1,350 %	-0,017 %	2,375 %	1,252 %	1,037 %
17	0,006 %	1,408 %	-0,005 %	2,447 %	1,402 %	1,133 %
18	0,023 %	1,469 %	0,012 %	2,516 %	1,537 %	1,226 %
19	0,050 %	1,533 %	0,040 %	2,582 %	1,659 %	1,316 %
20	0,092 %	1,597 %	0,081 %	2,645 %	1,769 %	1,401 %
21	0,149 %	1,661 %	0,139 %	2,705 %	1,869 %	1,483 %
22	0,219 %	1,724 %	0,209 %	2,762 %	1,960 %	1,562 %
23	0,295 %	1,785 %	0,286 %	2,817 %	2,044 %	1,636 %
24	0,377 %	1,845 %	0,367 %	2,869 %	2,120 %	1,707 %
25	0,461 %	1,903 %	0,452 %	2,918 %	2,191 %	1,775 %
26	0,545 %	1,960 %	0,537 %	2,965 %	2,256 %	1,840 %
27	0,630 %	2,014 %	0,621 %	3,010 %	2,317 %	1,901 %
28	0,713 %	2,066 %	0,705 %	3,053 %	2,373 %	1,959 %
29	0,795 %	2,116 %	0,787 %	3,094 %	2,425 %	2,015 %
30	0,875 %	2,164 %	0,867 %	3,133 %	2,474 %	2,068 %
31	0,953 %	2,210 %	0,945 %	3,170 %	2,519 %	2,119 %
32	1,028 %	2,255 %	1,020 %	3,206 %	2,562 %	2,167 %
33	1,101 %	2,297 %	1,093 %	3,240 %	2,603 %	2,213 %

Term to maturity (in years)	Euro	Czech koruna	Danish krone	Forint	Krona	Kuna
34	1,171 %	2,338 %	1,163 %	3,272 %	2,641 %	2,257 %
35	1,238 %	2,377 %	1,231 %	3,303 %	2,676 %	2,299 %
36	1,303 %	2,414 %	1,296 %	3,333 %	2,710 %	2,339 %
37	1,366 %	2,450 %	1,359 %	3,361 %	2,742 %	2,378 %
38	1,426 %	2,485 %	1,419 %	3,388 %	2,772 %	2,415 %
39	1,484 %	2,518 %	1,477 %	3,414 %	2,801 %	2,450 %
40	1,539 %	2,550 %	1,533 %	3,439 %	2,828 %	2,483 %
41	1,593 %	2,580 %	1,587 %	3,463 %	2,854 %	2,516 %
42	1,644 %	2,609 %	1,638 %	3,486 %	2,879 %	2,547 %
43	1,693 %	2,637 %	1,688 %	3,508 %	2,903 %	2,576 %
44	1,741 %	2,664 %	1,735 %	3,530 %	2,925 %	2,605 %
45	1,786 %	2,690 %	1,781 %	3,550 %	2,947 %	2,632 %
46	1,830 %	2,715 %	1,825 %	3,570 %	2,968 %	2,659 %
47	1,873 %	2,739 %	1,867 %	3,588 %	2,987 %	2,684 %
48	1,913 %	2,763 %	1,908 %	3,607 %	3,006 %	2,708 %
49	1,952 %	2,785 %	1,947 %	3,624 %	3,024 %	2,732 %
50	1,990 %	2,806 %	1,985 %	3,641 %	3,042 %	2,754 %
51	2,026 %	2,827 %	2,022 %	3,657 %	3,059 %	2,776 %
52	2,062 %	2,847 %	2,057 %	3,673 %	3,075 %	2,797 %
53	2,095 %	2,867 %	2,091 %	3,688 %	3,090 %	2,817 %
54	2,128 %	2,885 %	2,123 %	3,703 %	3,105 %	2,837 %
55	2,160 %	2,903 %	2,155 %	3,717 %	3,120 %	2,856 %
56	2,190 %	2,921 %	2,186 %	3,730 %	3,133 %	2,874 %
57	2,220 %	2,937 %	2,215 %	3,743 %	3,147 %	2,892 %
58	2,248 %	2,954 %	2,244 %	3,756 %	3,160 %	2,909 %
59	2,276 %	2,970 %	2,271 %	3,769 %	3,172 %	2,925 %
60	2,302 %	2,985 %	2,298 %	3,781 %	3,184 %	2,941 %
61	2,328 %	3,000 %	2,324 %	3,792 %	3,196 %	2,957 %
62	2,353 %	3,014 %	2,349 %	3,803 %	3,207 %	2,972 %
63	2,377 %	3,028 %	2,373 %	3,814 %	3,218 %	2,986 %
64	2,401 %	3,041 %	2,397 %	3,825 %	3,229 %	3,000 %
65	2,424 %	3,054 %	2,420 %	3,835 %	3,239 %	3,014 %
66	2,446 %	3,067 %	2,442 %	3,845 %	3,249 %	3,027 %
67	2,467 %	3,079 %	2,464 %	3,855 %	3,259 %	3,040 %
68	2,488 %	3,091 %	2,485 %	3,864 %	3,268 %	3,053 %

Term to maturity (in years)	Euro	Czech koruna	Danish krone	Forint	Krona	Kuna
69	2,509 %	3,103 %	2,505 %	3,873 %	3,277 %	3,065 %
70	2,528 %	3,114 %	2,525 %	3,882 %	3,286 %	3,077 %
71	2,547 %	3,125 %	2,544 %	3,891 %	3,295 %	3,088 %
72	2,566 %	3,136 %	2,563 %	3,899 %	3,303 %	3,100 %
73	2,584 %	3,146 %	2,581 %	3,907 %	3,311 %	3,110 %
74	2,602 %	3,156 %	2,598 %	3,915 %	3,319 %	3,121 %
75	2,619 %	3,166 %	2,616 %	3,923 %	3,327 %	3,131 %
76	2,636 %	3,176 %	2,632 %	3,931 %	3,335 %	3,141 %
77	2,652 %	3,185 %	2,649 %	3,938 %	3,342 %	3,151 %
78	2,668 %	3,194 %	2,665 %	3,945 %	3,349 %	3,161 %
79	2,683 %	3,203 %	2,680 %	3,952 %	3,356 %	3,170 %
80	2,699 %	3,212 %	2,695 %	3,959 %	3,363 %	3,179 %
81	2,713 %	3,220 %	2,710 %	3,965 %	3,369 %	3,188 %
82	2,728 %	3,228 %	2,725 %	3,972 %	3,376 %	3,197 %
83	2,742 %	3,237 %	2,739 %	3,978 %	3,382 %	3,205 %
84	2,755 %	3,244 %	2,752 %	3,984 %	3,388 %	3,213 %
85	2,769 %	3,252 %	2,766 %	3,991 %	3,394 %	3,221 %
86	2,782 %	3,260 %	2,779 %	3,996 %	3,400 %	3,229 %
87	2,795 %	3,267 %	2,792 %	4,002 %	3,406 %	3,237 %
88	2,807 %	3,274 %	2,804 %	4,008 %	3,412 %	3,244 %
89	2,819 %	3,281 %	2,817 %	4,013 %	3,417 %	3,252 %
90	2,831 %	3,288 %	2,829 %	4,019 %	3,422 %	3,259 %
91	2,843 %	3,295 %	2,840 %	4,024 %	3,428 %	3,266 %
92	2,854 %	3,301 %	2,852 %	4,029 %	3,433 %	3,273 %
93	2,866 %	3,308 %	2,863 %	4,034 %	3,438 %	3,279 %
94	2,877 %	3,314 %	2,874 %	4,039 %	3,443 %	3,286 %
95	2,887 %	3,320 %	2,885 %	4,044 %	3,447 %	3,293 %
96	2,898 %	3,326 %	2,895 %	4,049 %	3,452 %	3,299 %
97	2,908 %	3,332 %	2,905 %	4,053 %	3,457 %	3,305 %
98	2,918 %	3,338 %	2,916 %	4,058 %	3,461 %	3,311 %
99	2,928 %	3,343 %	2,925 %	4,062 %	3,466 %	3,317 %
100	2,938 %	3,349 %	2,935 %	4,067 %	3,470 %	3,323 %
101	2,947 %	3,354 %	2,945 %	4,071 %	3,474 %	3,328 %
102	2,956 %	3,360 %	2,954 %	4,075 %	3,478 %	3,334 %
103	2,966 %	3,365 %	2,963 %	4,079 %	3,483 %	3,340 %

Term to maturity (in years)	Euro	Czech koruna	Danish krone	Forint	Krona	Kuna
104	2,975 %	3,370 %	2,972 %	4,083 %	3,487 %	3,345 %
105	2,983 %	3,375 %	2,981 %	4,087 %	3,490 %	3,350 %
106	2,992 %	3,380 %	2,990 %	4,091 %	3,494 %	3,355 %
107	3,000 %	3,385 %	2,998 %	4,095 %	3,498 %	3,360 %
108	3,009 %	3,390 %	3,006 %	4,099 %	3,502 %	3,365 %
109	3,017 %	3,394 %	3,014 %	4,102 %	3,505 %	3,370 %
110	3,025 %	3,399 %	3,023 %	4,106 %	3,509 %	3,375 %
111	3,033 %	3,403 %	3,030 %	4,110 %	3,513 %	3,380 %
112	3,040 %	3,408 %	3,038 %	4,113 %	3,516 %	3,384 %
113	3,048 %	3,412 %	3,046 %	4,116 %	3,519 %	3,389 %
114	3,055 %	3,416 %	3,053 %	4,120 %	3,523 %	3,393 %
115	3,063 %	3,421 %	3,061 %	4,123 %	3,526 %	3,398 %
116	3,070 %	3,425 %	3,068 %	4,126 %	3,529 %	3,402 %
117	3,077 %	3,429 %	3,075 %	4,130 %	3,532 %	3,406 %
118	3,084 %	3,433 %	3,082 %	4,133 %	3,536 %	3,411 %
119	3,091 %	3,437 %	3,089 %	4,136 %	3,539 %	3,415 %
120	3,097 %	3,441 %	3,095 %	4,139 %	3,542 %	3,419 %
121	3,104 %	3,444 %	3,102 %	4,142 %	3,545 %	3,423 %
122	3,111 %	3,448 %	3,108 %	4,145 %	3,547 %	3,427 %
123	3,117 %	3,452 %	3,115 %	4,148 %	3,550 %	3,430 %
124	3,123 %	3,455 %	3,121 %	4,150 %	3,553 %	3,434 %
125	3,129 %	3,459 %	3,127 %	4,153 %	3,556 %	3,438 %
126	3,136 %	3,462 %	3,134 %	4,156 %	3,559 %	3,442 %
127	3,142 %	3,466 %	3,140 %	4,159 %	3,561 %	3,445 %
128	3,147 %	3,469 %	3,145 %	4,161 %	3,564 %	3,449 %
129	3,153 %	3,473 %	3,151 %	4,164 %	3,567 %	3,452 %
130	3,159 %	3,476 %	3,157 %	4,167 %	3,569 %	3,456 %
131	3,165 %	3,479 %	3,163 %	4,169 %	3,572 %	3,459 %
132	3,170 %	3,482 %	3,168 %	4,172 %	3,574 %	3,462 %
133	3,176 %	3,485 %	3,174 %	4,174 %	3,577 %	3,466 %
134	3,181 %	3,489 %	3,179 %	4,176 %	3,579 %	3,469 %
135	3,186 %	3,492 %	3,184 %	4,179 %	3,581 %	3,472 %
136	3,192 %	3,495 %	3,190 %	4,181 %	3,584 %	3,475 %
137	3,197 %	3,497 %	3,195 %	4,184 %	3,586 %	3,478 %
138	3,202 %	3,500 %	3,200 %	4,186 %	3,588 %	3,481 %

Term to maturity (in years)	Euro	Czech koruna	Danish krone	Forint	Krona	Kuna
139	3,207 %	3,503 %	3,205 %	4,188 %	3,591 %	3,484 %
140	3,212 %	3,506 %	3,210 %	4,190 %	3,593 %	3,487 %
141	3,217 %	3,509 %	3,215 %	4,193 %	3,595 %	3,490 %
142	3,221 %	3,512 %	3,220 %	4,195 %	3,597 %	3,493 %
143	3,226 %	3,514 %	3,224 %	4,197 %	3,599 %	3,496 %
144	3,231 %	3,517 %	3,229 %	4,199 %	3,601 %	3,499 %
145	3,235 %	3,520 %	3,234 %	4,201 %	3,603 %	3,502 %
146	3,240 %	3,522 %	3,238 %	4,203 %	3,605 %	3,504 %
147	3,244 %	3,525 %	3,243 %	4,205 %	3,607 %	3,507 %
148	3,249 %	3,527 %	3,247 %	4,207 %	3,609 %	3,510 %
149	3,253 %	3,530 %	3,251 %	4,209 %	3,611 %	3,512 %
150	3,257 %	3,532 %	3,256 %	4,211 %	3,613 %	3,515 %

Term to maturity (in years)	Lev	Pound sterling	Romanian leu	Zloty	Króna	Norwegian krone
1	-0,575 %	0,631 %	3,103 %	1,095 %	3,420 %	1,747 %
2	-0,603 %	0,548 %	3,253 %	1,389 %	3,370 %	1,763 %
3	-0,609 %	0,516 %	3,407 %	1,498 %	3,300 %	1,694 %
4	-0,584 %	0,492 %	3,568 %	1,594 %	3,248 %	1,643 %
5	-0,555 %	0,493 %	3,703 %	1,675 %	3,217 %	1,607 %
6	-0,517 %	0,492 %	3,806 %	1,751 %	3,203 %	1,587 %
7	-0,470 %	0,499 %	3,888 %	1,815 %	3,204 %	1,580 %
8	-0,416 %	0,509 %	3,955 %	1,851 %	3,213 %	1,580 %
9	-0,359 %	0,521 %	4,017 %	1,878 %	3,226 %	1,586 %
10	-0,305 %	0,535 %	4,106 %	1,906 %	3,240 %	1,594 %
11	-0,253 %	0,548 %	4,182 %	1,944 %	3,256 %	1,620 %
12	-0,201 %	0,559 %	4,238 %	1,989 %	3,272 %	1,660 %
13	-0,149 %	0,567 %	4,280 %	2,039 %	3,289 %	1,710 %
14	-0,105 %	0,575 %	4,310 %	2,091 %	3,305 %	1,765 %
15	-0,074 %	0,584 %	4,332 %	2,144 %	3,321 %	1,823 %
16	-0,058 %	0,587 %	4,347 %	2,196 %	3,337 %	1,882 %
17	-0,046 %	0,591 %	4,357 %	2,248 %	3,353 %	1,941 %
18	-0,029 %	0,596 %	4,363 %	2,299 %	3,368 %	2,000 %
19	-0,002 %	0,598 %	4,366 %	2,348 %	3,382 %	2,057 %
20	0,041 %	0,601 %	4,366 %	2,395 %	3,396 %	2,113 %
21	0,099 %	0,602 %	4,364 %	2,441 %	3,410 %	2,167 %

Term to maturity (in years)	Lev	Pound sterling	Romanian leu	Zloty	Króna	Norwegian krone
22	0,169 %	0,602 %	4,361 %	2,485 %	3,423 %	2,219 %
23	0,247 %	0,602 %	4,357 %	2,527 %	3,435 %	2,269 %
24	0,330 %	0,601 %	4,351 %	2,568 %	3,447 %	2,318 %
25	0,415 %	0,600 %	4,345 %	2,607 %	3,459 %	2,364 %
26	0,501 %	0,600 %	4,338 %	2,644 %	3,470 %	2,408 %
27	0,586 %	0,599 %	4,331 %	2,680 %	3,481 %	2,451 %
28	0,671 %	0,599 %	4,324 %	2,714 %	3,492 %	2,491 %
29	0,754 %	0,598 %	4,316 %	2,746 %	3,502 %	2,530 %
30	0,835 %	0,597 %	4,309 %	2,777 %	3,511 %	2,568 %
31	0,914 %	0,596 %	4,301 %	2,807 %	3,521 %	2,603 %
32	0,990 %	0,595 %	4,293 %	2,836 %	3,529 %	2,637 %
33	1,064 %	0,595 %	4,286 %	2,863 %	3,538 %	2,670 %
34	1,135 %	0,595 %	4,278 %	2,889 %	3,546 %	2,701 %
35	1,203 %	0,596 %	4,270 %	2,914 %	3,554 %	2,731 %
36	1,269 %	0,598 %	4,263 %	2,938 %	3,562 %	2,760 %
37	1,332 %	0,600 %	4,256 %	2,961 %	3,569 %	2,787 %
38	1,393 %	0,600 %	4,249 %	2,983 %	3,577 %	2,814 %
39	1,452 %	0,597 %	4,242 %	3,004 %	3,584 %	2,839 %
40	1,508 %	0,591 %	4,235 %	3,025 %	3,590 %	2,863 %
41	1,562 %	0,581 %	4,229 %	3,044 %	3,597 %	2,886 %
42	1,614 %	0,569 %	4,222 %	3,063 %	3,603 %	2,909 %
43	1,664 %	0,558 %	4,216 %	3,081 %	3,609 %	2,930 %
44	1,713 %	0,548 %	4,210 %	3,098 %	3,615 %	2,951 %
45	1,759 %	0,542 %	4,204 %	3,115 %	3,620 %	2,971 %
46	1,803 %	0,539 %	4,198 %	3,131 %	3,625 %	2,990 %
47	1,846 %	0,541 %	4,193 %	3,147 %	3,631 %	3,008 %
48	1,887 %	0,548 %	4,187 %	3,162 %	3,636 %	3,026 %
49	1,927 %	0,560 %	4,182 %	3,176 %	3,641 %	3,043 %
50	1,965 %	0,578 %	4,177 %	3,190 %	3,645 %	3,060 %
51	2,002 %	0,601 %	4,172 %	3,203 %	3,650 %	3,075 %
52	2,038 %	0,629 %	4,167 %	3,216 %	3,654 %	3,091 %
53	2,072 %	0,661 %	4,163 %	3,228 %	3,659 %	3,105 %
54	2,105 %	0,695 %	4,158 %	3,240 %	3,663 %	3,120 %
55	2,137 %	0,732 %	4,154 %	3,252 %	3,667 %	3,134 %
56	2,168 %	0,769 %	4,150 %	3,263 %	3,671 %	3,147 %

Term to maturity (in years)	Lev	Pound sterling	Romanian leu	Zloty	Króna	Norwegian krone
57	2,198 %	0,808 %	4,145 %	3,274 %	3,674 %	3,160 %
58	2,227 %	0,848 %	4,141 %	3,285 %	3,678 %	3,172 %
59	2,254 %	0,887 %	4,138 %	3,295 %	3,682 %	3,184 %
60	2,282 %	0,927 %	4,134 %	3,305 %	3,685 %	3,196 %
61	2,308 %	0,967 %	4,130 %	3,314 %	3,688 %	3,207 %
62	2,333 %	1,007 %	4,127 %	3,324 %	3,692 %	3,218 %
63	2,358 %	1,046 %	4,123 %	3,333 %	3,695 %	3,229 %
64	2,381 %	1,085 %	4,120 %	3,341 %	3,698 %	3,239 %
65	2,405 %	1,123 %	4,116 %	3,350 %	3,701 %	3,249 %
66	2,427 %	1,160 %	4,113 %	3,358 %	3,704 %	3,259 %
67	2,449 %	1,197 %	4,110 %	3,366 %	3,707 %	3,269 %
68	2,470 %	1,234 %	4,107 %	3,374 %	3,709 %	3,278 %
69	2,490 %	1,269 %	4,104 %	3,381 %	3,712 %	3,287 %
70	2,510 %	1,304 %	4,101 %	3,389 %	3,715 %	3,295 %
71	2,530 %	1,339 %	4,099 %	3,396 %	3,717 %	3,304 %
72	2,549 %	1,372 %	4,096 %	3,403 %	3,720 %	3,312 %
73	2,567 %	1,405 %	4,093 %	3,410 %	3,722 %	3,320 %
74	2,585 %	1,437 %	4,091 %	3,416 %	3,725 %	3,328 %
75	2,602 %	1,469 %	4,088 %	3,423 %	3,727 %	3,335 %
76	2,619 %	1,499 %	4,086 %	3,429 %	3,729 %	3,343 %
77	2,636 %	1,529 %	4,083 %	3,435 %	3,731 %	3,350 %
78	2,652 %	1,559 %	4,081 %	3,441 %	3,733 %	3,357 %
79	2,668 %	1,587 %	4,079 %	3,447 %	3,735 %	3,364 %
80	2,683 %	1,615 %	4,076 %	3,452 %	3,737 %	3,371 %
81	2,698 %	1,643 %	4,074 %	3,458 %	3,739 %	3,377 %
82	2,712 %	1,670 %	4,072 %	3,463 %	3,741 %	3,383 %
83	2,727 %	1,696 %	4,070 %	3,468 %	3,743 %	3,390 %
84	2,740 %	1,722 %	4,068 %	3,473 %	3,745 %	3,396 %
85	2,754 %	1,747 %	4,066 %	3,478 %	3,747 %	3,402 %
86	2,767 %	1,771 %	4,064 %	3,483 %	3,749 %	3,407 %
87	2,780 %	1,795 %	4,062 %	3,488 %	3,750 %	3,413 %
88	2,793 %	1,819 %	4,060 %	3,493 %	3,752 %	3,418 %
89	2,805 %	1,842 %	4,059 %	3,497 %	3,754 %	3,424 %
90	2,817 %	1,864 %	4,057 %	3,502 %	3,755 %	3,429 %
91	2,829 %	1,886 %	4,055 %	3,506 %	3,757 %	3,434 %

Term to maturity (in years)	Lev	Pound sterling	Romanian leu	Zloty	Króna	Norwegian krone
92	2,841 %	1,908 %	4,054 %	3,510 %	3,758 %	3,439 %
93	2,852 %	1,929 %	4,052 %	3,515 %	3,760 %	3,444 %
94	2,863 %	1,950 %	4,050 %	3,519 %	3,761 %	3,449 %
95	2,874 %	1,970 %	4,049 %	3,523 %	3,763 %	3,454 %
96	2,885 %	1,990 %	4,047 %	3,527 %	3,764 %	3,458 %
97	2,895 %	2,010 %	4,046 %	3,530 %	3,766 %	3,463 %
98	2,905 %	2,029 %	4,044 %	3,534 %	3,767 %	3,467 %
99	2,915 %	2,047 %	4,043 %	3,538 %	3,768 %	3,472 %
100	2,925 %	2,066 %	4,041 %	3,541 %	3,770 %	3,476 %
101	2,935 %	2,084 %	4,040 %	3,545 %	3,771 %	3,480 %
102	2,944 %	2,101 %	4,038 %	3,548 %	3,772 %	3,484 %
103	2,953 %	2,119 %	4,037 %	3,552 %	3,774 %	3,488 %
104	2,962 %	2,135 %	4,036 %	3,555 %	3,775 %	3,492 %
105	2,971 %	2,152 %	4,035 %	3,559 %	3,776 %	3,496 %
106	2,980 %	2,168 %	4,033 %	3,562 %	3,777 %	3,500 %
107	2,989 %	2,185 %	4,032 %	3,565 %	3,778 %	3,504 %
108	2,997 %	2,200 %	4,031 %	3,568 %	3,779 %	3,507 %
109	3,005 %	2,216 %	4,030 %	3,571 %	3,780 %	3,511 %
110	3,013 %	2,231 %	4,028 %	3,574 %	3,782 %	3,515 %
111	3,021 %	2,246 %	4,027 %	3,577 %	3,783 %	3,518 %
112	3,029 %	2,260 %	4,026 %	3,580 %	3,784 %	3,521 %
113	3,037 %	2,275 %	4,025 %	3,583 %	3,785 %	3,525 %
114	3,044 %	2,289 %	4,024 %	3,585 %	3,786 %	3,528 %
115	3,052 %	2,303 %	4,023 %	3,588 %	3,787 %	3,531 %
116	3,059 %	2,317 %	4,022 %	3,591 %	3,788 %	3,534 %
117	3,066 %	2,330 %	4,021 %	3,593 %	3,789 %	3,538 %
118	3,073 %	2,343 %	4,020 %	3,596 %	3,790 %	3,541 %
119	3,080 %	2,356 %	4,019 %	3,599 %	3,790 %	3,544 %
120	3,087 %	2,369 %	4,018 %	3,601 %	3,791 %	3,547 %
121	3,094 %	2,381 %	4,017 %	3,604 %	3,792 %	3,550 %
122	3,100 %	2,394 %	4,016 %	3,606 %	3,793 %	3,552 %
123	3,107 %	2,406 %	4,015 %	3,608 %	3,794 %	3,555 %
124	3,113 %	2,418 %	4,014 %	3,611 %	3,795 %	3,558 %
125	3,119 %	2,430 %	4,013 %	3,613 %	3,796 %	3,561 %
126	3,126 %	2,441 %	4,012 %	3,615 %	3,797 %	3,563 %

Term to maturity (in years)	Lev	Pound sterling	Romanian leu	Zloty	Króna	Norwegian krone
127	3,132 %	2,453 %	4,011 %	3,618 %	3,797 %	3,566 %
128	3,138 %	2,464 %	4,010 %	3,620 %	3,798 %	3,569 %
129	3,143 %	2,475 %	4,010 %	3,622 %	3,799 %	3,571 %
130	3,149 %	2,486 %	4,009 %	3,624 %	3,800 %	3,574 %
131	3,155 %	2,497 %	4,008 %	3,626 %	3,801 %	3,576 %
132	3,161 %	2,507 %	4,007 %	3,628 %	3,801 %	3,579 %
133	3,166 %	2,518 %	4,006 %	3,630 %	3,802 %	3,581 %
134	3,172 %	2,528 %	4,005 %	3,632 %	3,803 %	3,583 %
135	3,177 %	2,538 %	4,005 %	3,634 %	3,803 %	3,586 %
136	3,182 %	2,548 %	4,004 %	3,636 %	3,804 %	3,588 %
137	3,187 %	2,558 %	4,003 %	3,638 %	3,805 %	3,590 %
138	3,193 %	2,567 %	4,002 %	3,640 %	3,806 %	3,593 %
139	3,198 %	2,577 %	4,002 %	3,642 %	3,806 %	3,595 %
140	3,203 %	2,586 %	4,001 %	3,644 %	3,807 %	3,597 %
141	3,208 %	2,596 %	4,000 %	3,646 %	3,808 %	3,599 %
142	3,212 %	2,605 %	3,999 %	3,647 %	3,808 %	3,601 %
143	3,217 %	2,614 %	3,999 %	3,649 %	3,809 %	3,603 %
144	3,222 %	2,623 %	3,998 %	3,651 %	3,809 %	3,605 %
145	3,227 %	2,631 %	3,997 %	3,653 %	3,810 %	3,607 %
146	3,231 %	2,640 %	3,997 %	3,654 %	3,811 %	3,609 %
147	3,236 %	2,648 %	3,996 %	3,656 %	3,811 %	3,611 %
148	3,240 %	2,657 %	3,995 %	3,658 %	3,812 %	3,613 %
149	3,245 %	2,665 %	3,995 %	3,659 %	3,813 %	3,615 %
150	3,249 %	2,673 %	3,994 %	3,661 %	3,813 %	3,617 %

Term to maturity (in years)	Swiss franc	Australian dollar	Baht	Canadian dollar	Chilean peso	Colombian peso
1	-0,863 %	0,691 %	1,214 %	1,818 %	1,455 %	4,034 %
2	-0,886 %	0,635 %	1,168 %	1,701 %	1,491 %	4,363 %
3	-0,868 %	0,638 %	1,183 %	1,639 %	1,643 %	4,533 %
4	-0,833 %	0,641 %	1,219 %	1,599 %	1,805 %	4,684 %
5	-0,794 %	0,676 %	1,240 %	1,568 %	1,940 %	4,822 %
6	-0,739 %	0,725 %	1,267 %	1,543 %	2,065 %	5,087 %
7	-0,678 %	0,779 %	1,297 %	1,552 %	2,179 %	5,292 %
8	-0,616 %	0,832 %	1,322 %	1,558 %	2,280 %	5,495 %
9	-0,555 %	0,885 %	1,343 %	1,566 %	2,373 %	5,647 %

Term to maturity (in years)	Swiss franc	Australian dollar	Baht	Canadian dollar	Chilean peso	Colombian peso
10	-0,504 %	0,936 %	1,360 %	1,585 %	2,459 %	5,760 %
11	-0,438 %	0,986 %	1,373 %	1,609 %	2,541 %	5,837 %
12	-0,393 %	1,033 %	1,386 %	1,633 %	2,618 %	5,886 %
13	-0,350 %	1,077 %	1,400 %	1,658 %	2,692 %	5,914 %
14	-0,322 %	1,117 %	1,421 %	1,682 %	2,760 %	5,926 %
15	-0,292 %	1,152 %	1,451 %	1,707 %	2,826 %	5,927 %
16	-0,259 %	1,184 %	1,492 %	1,730 %	2,887 %	5,920 %
17	-0,228 %	1,211 %	1,541 %	1,749 %	2,945 %	5,906 %
18	-0,204 %	1,236 %	1,594 %	1,763 %	3,000 %	5,887 %
19	-0,189 %	1,259 %	1,651 %	1,770 %	3,051 %	5,865 %
20	-0,185 %	1,279 %	1,708 %	1,769 %	3,100 %	5,840 %
21	-0,192 %	1,298 %	1,767 %	1,760 %	3,147 %	5,814 %
22	-0,202 %	1,313 %	1,825 %	1,746 %	3,191 %	5,786 %
23	-0,209 %	1,323 %	1,882 %	1,730 %	3,232 %	5,758 %
24	-0,207 %	1,328 %	1,937 %	1,716 %	3,272 %	5,729 %
25	-0,194 %	1,327 %	1,992 %	1,704 %	3,309 %	5,701 %
26	-0,168 %	1,321 %	2,044 %	1,696 %	3,345 %	5,672 %
27	-0,130 %	1,313 %	2,095 %	1,693 %	3,379 %	5,644 %
28	-0,085 %	1,308 %	2,145 %	1,695 %	3,411 %	5,617 %
29	-0,035 %	1,308 %	2,192 %	1,703 %	3,441 %	5,590 %
30	0,018 %	1,317 %	2,238 %	1,717 %	3,471 %	5,563 %
31	0,074 %	1,335 %	2,281 %	1,737 %	3,498 %	5,538 %
32	0,131 %	1,360 %	2,323 %	1,763 %	3,525 %	5,513 %
33	0,189 %	1,391 %	2,364 %	1,792 %	3,550 %	5,489 %
34	0,246 %	1,426 %	2,403 %	1,823 %	3,575 %	5,465 %
35	0,303 %	1,464 %	2,440 %	1,856 %	3,598 %	5,442 %
36	0,359 %	1,504 %	2,476 %	1,891 %	3,620 %	5,421 %
37	0,414 %	1,545 %	2,510 %	1,926 %	3,641 %	5,399 %
38	0,468 %	1,587 %	2,543 %	1,962 %	3,661 %	5,379 %
39	0,520 %	1,629 %	2,574 %	1,997 %	3,681 %	5,359 %
40	0,571 %	1,671 %	2,605 %	2,033 %	3,699 %	5,340 %
41	0,621 %	1,713 %	2,634 %	2,068 %	3,717 %	5,322 %
42	0,669 %	1,754 %	2,662 %	2,103 %	3,735 %	5,304 %
43	0,715 %	1,795 %	2,689 %	2,137 %	3,751 %	5,287 %
44	0,760 %	1,835 %	2,714 %	2,170 %	3,767 %	5,271 %

Term to maturity (in years)	Swiss franc	Australian dollar	Baht	Canadian dollar	Chilean peso	Colombian peso
45	0,803 %	1,874 %	2,739 %	2,203 %	3,782 %	5,255 %
46	0,846 %	1,912 %	2,763 %	2,235 %	3,797 %	5,239 %
47	0,886 %	1,949 %	2,786 %	2,266 %	3,811 %	5,225 %
48	0,926 %	1,985 %	2,809 %	2,296 %	3,825 %	5,210 %
49	0,964 %	2,021 %	2,830 %	2,326 %	3,838 %	5,197 %
50	1,000 %	2,055 %	2,851 %	2,354 %	3,850 %	5,183 %
51	1,036 %	2,088 %	2,870 %	2,382 %	3,863 %	5,170 %
52	1,070 %	2,121 %	2,890 %	2,409 %	3,874 %	5,158 %
53	1,103 %	2,152 %	2,908 %	2,435 %	3,886 %	5,146 %
54	1,135 %	2,182 %	2,926 %	2,461 %	3,897 %	5,134 %
55	1,167 %	2,212 %	2,943 %	2,485 %	3,907 %	5,123 %
56	1,197 %	2,241 %	2,960 %	2,509 %	3,918 %	5,112 %
57	1,226 %	2,269 %	2,976 %	2,533 %	3,928 %	5,102 %
58	1,254 %	2,296 %	2,992 %	2,555 %	3,937 %	5,092 %
59	1,281 %	2,322 %	3,007 %	2,577 %	3,947 %	5,082 %
60	1,308 %	2,347 %	3,022 %	2,598 %	3,956 %	5,072 %
61	1,333 %	2,372 %	3,036 %	2,619 %	3,964 %	5,063 %
62	1,358 %	2,396 %	3,049 %	2,639 %	3,973 %	5,054 %
63	1,382 %	2,419 %	3,063 %	2,659 %	3,981 %	5,045 %
64	1,405 %	2,442 %	3,076 %	2,678 %	3,989 %	5,037 %
65	1,428 %	2,464 %	3,088 %	2,696 %	3,997 %	5,029 %
66	1,450 %	2,485 %	3,100 %	2,714 %	4,004 %	5,021 %
67	1,471 %	2,506 %	3,112 %	2,731 %	4,012 %	5,013 %
68	1,492 %	2,526 %	3,124 %	2,748 %	4,019 %	5,006 %
69	1,512 %	2,546 %	3,135 %	2,765 %	4,025 %	4,998 %
70	1,532 %	2,565 %	3,146 %	2,781 %	4,032 %	4,991 %
71	1,551 %	2,583 %	3,156 %	2,796 %	4,039 %	4,984 %
72	1,570 %	2,601 %	3,166 %	2,811 %	4,045 %	4,978 %
73	1,588 %	2,619 %	3,176 %	2,826 %	4,051 %	4,971 %
74	1,605 %	2,636 %	3,186 %	2,840 %	4,057 %	4,965 %
75	1,622 %	2,653 %	3,196 %	2,854 %	4,063 %	4,959 %
76	1,639 %	2,669 %	3,205 %	2,868 %	4,069 %	4,953 %
77	1,655 %	2,685 %	3,214 %	2,881 %	4,074 %	4,947 %
78	1,671 %	2,700 %	3,223 %	2,894 %	4,080 %	4,941 %
79	1,687 %	2,715 %	3,231 %	2,907 %	4,085 %	4,935 %

Term to maturity (in years)	Swiss franc	Australian dollar	Baht	Canadian dollar	Chilean peso	Colombian peso
80	1,702 %	2,730 %	3,239 %	2,919 %	4,090 %	4,930 %
81	1,716 %	2,744 %	3,248 %	2,931 %	4,095 %	4,925 %
82	1,731 %	2,758 %	3,255 %	2,943 %	4,100 %	4,920 %
83	1,745 %	2,772 %	3,263 %	2,954 %	4,105 %	4,914 %
84	1,758 %	2,785 %	3,271 %	2,965 %	4,110 %	4,910 %
85	1,772 %	2,798 %	3,278 %	2,976 %	4,114 %	4,905 %
86	1,785 %	2,811 %	3,285 %	2,987 %	4,119 %	4,900 %
87	1,797 %	2,823 %	3,292 %	2,997 %	4,123 %	4,895 %
88	1,810 %	2,836 %	3,299 %	3,008 %	4,127 %	4,891 %
89	1,822 %	2,847 %	3,306 %	3,018 %	4,131 %	4,887 %
90	1,834 %	2,859 %	3,313 %	3,027 %	4,136 %	4,882 %
91	1,846 %	2,870 %	3,319 %	3,037 %	4,140 %	4,878 %
92	1,857 %	2,882 %	3,325 %	3,046 %	4,143 %	4,874 %
93	1,868 %	2,892 %	3,331 %	3,055 %	4,147 %	4,870 %
94	1,879 %	2,903 %	3,337 %	3,064 %	4,151 %	4,866 %
95	1,890 %	2,914 %	3,343 %	3,073 %	4,155 %	4,862 %
96	1,900 %	2,924 %	3,349 %	3,082 %	4,158 %	4,858 %
97	1,911 %	2,934 %	3,355 %	3,090 %	4,162 %	4,855 %
98	1,921 %	2,944 %	3,360 %	3,098 %	4,165 %	4,851 %
99	1,930 %	2,953 %	3,366 %	3,106 %	4,169 %	4,847 %
100	1,940 %	2,963 %	3,371 %	3,114 %	4,172 %	4,844 %
101	1,950 %	2,972 %	3,376 %	3,122 %	4,175 %	4,841 %
102	1,959 %	2,981 %	3,381 %	3,130 %	4,178 %	4,837 %
103	1,968 %	2,990 %	3,386 %	3,137 %	4,181 %	4,834 %
104	1,977 %	2,999 %	3,391 %	3,144 %	4,184 %	4,831 %
105	1,986 %	3,007 %	3,396 %	3,152 %	4,187 %	4,828 %
106	1,994 %	3,015 %	3,401 %	3,159 %	4,190 %	4,824 %
107	2,003 %	3,024 %	3,406 %	3,165 %	4,193 %	4,821 %
108	2,011 %	3,032 %	3,410 %	3,172 %	4,196 %	4,818 %
109	2,019 %	3,040 %	3,415 %	3,179 %	4,199 %	4,816 %
110	2,027 %	3,047 %	3,419 %	3,185 %	4,202 %	4,813 %
111	2,035 %	3,055 %	3,423 %	3,192 %	4,204 %	4,810 %
112	2,042 %	3,063 %	3,428 %	3,198 %	4,207 %	4,807 %
113	2,050 %	3,070 %	3,432 %	3,204 %	4,210 %	4,804 %
114	2,057 %	3,077 %	3,436 %	3,210 %	4,212 %	4,802 %

Term to maturity (in years)	Swiss franc	Australian dollar	Baht	Canadian dollar	Chilean peso	Colombian peso
115	2,065 %	3,084 %	3,440 %	3,216 %	4,215 %	4,799 %
116	2,072 %	3,091 %	3,444 %	3,222 %	4,217 %	4,796 %
117	2,079 %	3,098 %	3,448 %	3,228 %	4,219 %	4,794 %
118	2,086 %	3,105 %	3,452 %	3,234 %	4,222 %	4,791 %
119	2,093 %	3,112 %	3,455 %	3,239 %	4,224 %	4,789 %
120	2,099 %	3,118 %	3,459 %	3,245 %	4,226 %	4,787 %
121	2,106 %	3,125 %	3,463 %	3,250 %	4,229 %	4,784 %
122	2,112 %	3,131 %	3,466 %	3,256 %	4,231 %	4,782 %
123	2,119 %	3,137 %	3,470 %	3,261 %	4,233 %	4,780 %
124	2,125 %	3,143 %	3,473 %	3,266 %	4,235 %	4,777 %
125	2,131 %	3,149 %	3,477 %	3,271 %	4,237 %	4,775 %
126	2,137 %	3,155 %	3,480 %	3,276 %	4,239 %	4,773 %
127	2,143 %	3,161 %	3,483 %	3,281 %	4,242 %	4,771 %
128	2,149 %	3,167 %	3,487 %	3,286 %	4,244 %	4,769 %
129	2,155 %	3,173 %	3,490 %	3,290 %	4,246 %	4,767 %
130	2,161 %	3,178 %	3,493 %	3,295 %	4,248 %	4,764 %
131	2,166 %	3,184 %	3,496 %	3,300 %	4,249 %	4,762 %
132	2,172 %	3,189 %	3,499 %	3,304 %	4,251 %	4,760 %
133	2,177 %	3,194 %	3,502 %	3,309 %	4,253 %	4,759 %
134	2,183 %	3,200 %	3,505 %	3,313 %	4,255 %	4,757 %
135	2,188 %	3,205 %	3,508 %	3,317 %	4,257 %	4,755 %
136	2,193 %	3,210 %	3,511 %	3,322 %	4,259 %	4,753 %
137	2,198 %	3,215 %	3,514 %	3,326 %	4,260 %	4,751 %
138	2,203 %	3,220 %	3,516 %	3,330 %	4,262 %	4,749 %
139	2,208 %	3,225 %	3,519 %	3,334 %	4,264 %	4,747 %
140	2,213 %	3,230 %	3,522 %	3,338 %	4,266 %	4,746 %
141	2,218 %	3,234 %	3,525 %	3,342 %	4,267 %	4,744 %
142	2,223 %	3,239 %	3,527 %	3,346 %	4,269 %	4,742 %
143	2,228 %	3,244 %	3,530 %	3,350 %	4,270 %	4,740 %
144	2,232 %	3,248 %	3,532 %	3,354 %	4,272 %	4,739 %
145	2,237 %	3,253 %	3,535 %	3,357 %	4,274 %	4,737 %
146	2,242 %	3,257 %	3,537 %	3,361 %	4,275 %	4,735 %
147	2,246 %	3,261 %	3,540 %	3,365 %	4,277 %	4,734 %
148	2,250 %	3,266 %	3,542 %	3,368 %	4,278 %	4,732 %

Term to maturity (in years)	Swiss franc	Australian dollar	Baht	Canadian dollar	Chilean peso	Colombian peso
149	2,255 %	3,270 %	3,545 %	3,372 %	4,280 %	4,731 %
150	2,259 %	3,274 %	3,547 %	3,376 %	4,281 %	4,729 %

Term to maturity (in years)	Hong Kong dollar	Indian rupee	Mexican peso	New Taiwan dollar	New Zealand dollar	Rand
1	1,923 %	5,483 %	6,944 %	0,453 %	0,900 %	6,427 %
2	1,714 %	5,709 %	6,474 %	0,456 %	0,841 %	6,432 %
3	1,617 %	5,929 %	6,328 %	0,479 %	0,820 %	6,531 %
4	1,561 %	6,141 %	6,322 %	0,510 %	0,826 %	6,672 %
5	1,530 %	6,330 %	6,343 %	0,538 %	0,853 %	6,846 %
6	1,516 %	6,515 %	6,403 %	0,561 %	0,902 %	7,029 %
7	1,516 %	6,648 %	6,479 %	0,578 %	0,966 %	7,205 %
8	1,525 %	6,758 %	6,554 %	0,599 %	1,031 %	7,367 %
9	1,538 %	6,834 %	6,627 %	0,618 %	1,080 %	7,543 %
10	1,549 %	6,890 %	6,700 %	0,635 %	1,134 %	7,700 %
11	1,554 %	6,925 %	6,774 %	0,677 %	1,197 %	7,846 %
12	1,560 %	6,941 %	6,847 %	0,741 %	1,255 %	7,974 %
13	1,568 %	6,943 %	6,917 %	0,818 %	1,298 %	8,076 %
14	1,584 %	6,936 %	6,983 %	0,903 %	1,331 %	8,151 %
15	1,610 %	6,921 %	7,043 %	0,990 %	1,362 %	8,199 %
16	1,646 %	6,902 %	7,097 %	1,079 %	1,395 %	8,221 %
17	1,690 %	6,878 %	7,144 %	1,167 %	1,430 %	8,222 %
18	1,738 %	6,852 %	7,180 %	1,254 %	1,468 %	8,207 %
19	1,790 %	6,824 %	7,205 %	1,338 %	1,510 %	8,180 %
20	1,843 %	6,795 %	7,216 %	1,420 %	1,556 %	8,144 %
21	1,897 %	6,766 %	7,213 %	1,499 %	1,606 %	8,101 %
22	1,950 %	6,736 %	7,199 %	1,574 %	1,658 %	8,053 %
23	2,003 %	6,706 %	7,176 %	1,646 %	1,712 %	8,002 %
24	2,055 %	6,676 %	7,146 %	1,716 %	1,766 %	7,948 %
25	2,106 %	6,647 %	7,111 %	1,782 %	1,820 %	7,893 %
26	2,155 %	6,619 %	7,073 %	1,845 %	1,874 %	7,837 %
27	2,202 %	6,591 %	7,032 %	1,906 %	1,926 %	7,782 %
28	2,248 %	6,563 %	6,989 %	1,963 %	1,978 %	7,726 %
29	2,292 %	6,537 %	6,944 %	2,018 %	2,027 %	7,672 %
30	2,335 %	6,511 %	6,900 %	2,071 %	2,076 %	7,618 %
31	2,376 %	6,486 %	6,855 %	2,121 %	2,122 %	7,566 %

Term to maturity (in years)	Hong Kong dollar	Indian rupee	Mexican peso	New Taiwan dollar	New Zealand dollar	Rand
32	2,415 %	6,462 %	6,811 %	2,169 %	2,168 %	7,515 %
33	2,453 %	6,439 %	6,767 %	2,215 %	2,211 %	7,465 %
34	2,489 %	6,416 %	6,724 %	2,258 %	2,253 %	7,417 %
35	2,524 %	6,395 %	6,682 %	2,300 %	2,293 %	7,371 %
36	2,558 %	6,374 %	6,641 %	2,340 %	2,332 %	7,326 %
37	2,590 %	6,353 %	6,601 %	2,378 %	2,370 %	7,283 %
38	2,621 %	6,334 %	6,563 %	2,415 %	2,406 %	7,241 %
39	2,650 %	6,315 %	6,525 %	2,450 %	2,440 %	7,201 %
40	2,679 %	6,297 %	6,489 %	2,484 %	2,473 %	7,162 %
41	2,706 %	6,280 %	6,454 %	2,516 %	2,505 %	7,124 %
42	2,733 %	6,263 %	6,420 %	2,547 %	2,536 %	7,088 %
43	2,758 %	6,247 %	6,387 %	2,576 %	2,566 %	7,054 %
44	2,782 %	6,231 %	6,356 %	2,605 %	2,594 %	7,020 %
45	2,806 %	6,216 %	6,325 %	2,632 %	2,622 %	6,988 %
46	2,828 %	6,201 %	6,296 %	2,659 %	2,648 %	6,957 %
47	2,850 %	6,187 %	6,267 %	2,684 %	2,673 %	6,927 %
48	2,871 %	6,174 %	6,240 %	2,708 %	2,698 %	6,898 %
49	2,891 %	6,161 %	6,213 %	2,732 %	2,721 %	6,871 %
50	2,910 %	6,148 %	6,188 %	2,754 %	2,744 %	6,844 %
51	2,929 %	6,136 %	6,163 %	2,776 %	2,766 %	6,818 %
52	2,947 %	6,124 %	6,140 %	2,797 %	2,787 %	6,793 %
53	2,965 %	6,113 %	6,117 %	2,817 %	2,807 %	6,769 %
54	2,981 %	6,102 %	6,094 %	2,837 %	2,827 %	6,746 %
55	2,998 %	6,091 %	6,073 %	2,856 %	2,846 %	6,724 %
56	3,013 %	6,081 %	6,052 %	2,874 %	2,865 %	6,702 %
57	3,029 %	6,071 %	6,032 %	2,892 %	2,882 %	6,681 %
58	3,043 %	6,061 %	6,013 %	2,909 %	2,900 %	6,661 %
59	3,058 %	6,052 %	5,994 %	2,925 %	2,916 %	6,641 %
60	3,071 %	6,043 %	5,976 %	2,941 %	2,932 %	6,622 %
61	3,085 %	6,034 %	5,958 %	2,957 %	2,948 %	6,604 %
62	3,098 %	6,026 %	5,941 %	2,972 %	2,963 %	6,586 %
63	3,110 %	6,017 %	5,925 %	2,986 %	2,978 %	6,569 %
64	3,123 %	6,009 %	5,909 %	3,000 %	2,992 %	6,552 %
65	3,134 %	6,002 %	5,893 %	3,014 %	3,006 %	6,536 %
66	3,146 %	5,994 %	5,878 %	3,027 %	3,019 %	6,521 %

Term to maturity (in years)	Hong Kong dollar	Indian rupee	Mexican peso	New Taiwan dollar	New Zealand dollar	Rand
67	3,157 %	5,987 %	5,864 %	3,040 %	3,032 %	6,505 %
68	3,168 %	5,980 %	5,850 %	3,053 %	3,045 %	6,491 %
69	3,178 %	5,973 %	5,836 %	3,065 %	3,057 %	6,476 %
70	3,189 %	5,966 %	5,822 %	3,077 %	3,069 %	6,462 %
71	3,198 %	5,960 %	5,809 %	3,088 %	3,081 %	6,449 %
72	3,208 %	5,953 %	5,797 %	3,099 %	3,092 %	6,435 %
73	3,218 %	5,947 %	5,784 %	3,110 %	3,103 %	6,423 %
74	3,227 %	5,941 %	5,772 %	3,121 %	3,114 %	6,410 %
75	3,236 %	5,935 %	5,761 %	3,131 %	3,124 %	6,398 %
76	3,244 %	5,929 %	5,749 %	3,141 %	3,134 %	6,386 %
77	3,253 %	5,924 %	5,738 %	3,151 %	3,144 %	6,375 %
78	3,261 %	5,918 %	5,728 %	3,161 %	3,154 %	6,363 %
79	3,269 %	5,913 %	5,717 %	3,170 %	3,163 %	6,352 %
80	3,277 %	5,908 %	5,707 %	3,179 %	3,172 %	6,342 %
81	3,285 %	5,903 %	5,697 %	3,188 %	3,181 %	6,331 %
82	3,292 %	5,898 %	5,687 %	3,197 %	3,190 %	6,321 %
83	3,299 %	5,893 %	5,678 %	3,205 %	3,199 %	6,311 %
84	3,306 %	5,889 %	5,668 %	3,213 %	3,207 %	6,301 %
85	3,313 %	5,884 %	5,659 %	3,221 %	3,215 %	6,292 %
86	3,320 %	5,880 %	5,650 %	3,229 %	3,223 %	6,283 %
87	3,327 %	5,875 %	5,642 %	3,237 %	3,231 %	6,274 %
88	3,333 %	5,871 %	5,633 %	3,244 %	3,238 %	6,265 %
89	3,340 %	5,867 %	5,625 %	3,252 %	3,246 %	6,256 %
90	3,346 %	5,863 %	5,617 %	3,259 %	3,253 %	6,248 %
91	3,352 %	5,859 %	5,609 %	3,266 %	3,260 %	6,240 %
92	3,358 %	5,855 %	5,601 %	3,273 %	3,267 %	6,232 %
93	3,364 %	5,851 %	5,594 %	3,279 %	3,274 %	6,224 %
94	3,369 %	5,847 %	5,586 %	3,286 %	3,280 %	6,216 %
95	3,375 %	5,844 %	5,579 %	3,292 %	3,287 %	6,208 %
96	3,380 %	5,840 %	5,572 %	3,299 %	3,293 %	6,201 %
97	3,386 %	5,837 %	5,565 %	3,305 %	3,300 %	6,194 %
98	3,391 %	5,833 %	5,558 %	3,311 %	3,306 %	6,187 %
99	3,396 %	5,830 %	5,552 %	3,317 %	3,312 %	6,180 %
100	3,401 %	5,826 %	5,545 %	3,323 %	3,318 %	6,173 %
101	3,406 %	5,823 %	5,539 %	3,328 %	3,323 %	6,166 %

Term to maturity (in years)	Hong Kong dollar	Indian rupee	Mexican peso	New Taiwan dollar	New Zealand dollar	Rand
102	3,411 %	5,820 %	5,532 %	3,334 %	3,329 %	6,160 %
103	3,416 %	5,817 %	5,526 %	3,339 %	3,334 %	6,153 %
104	3,420 %	5,814 %	5,520 %	3,345 %	3,340 %	6,147 %
105	3,425 %	5,811 %	5,514 %	3,350 %	3,345 %	6,141 %
106	3,429 %	5,808 %	5,508 %	3,355 %	3,350 %	6,135 %
107	3,434 %	5,805 %	5,503 %	3,360 %	3,356 %	6,129 %
108	3,438 %	5,802 %	5,497 %	3,365 %	3,361 %	6,123 %
109	3,442 %	5,799 %	5,492 %	3,370 %	3,365 %	6,117 %
110	3,446 %	5,797 %	5,486 %	3,375 %	3,370 %	6,112 %
111	3,450 %	5,794 %	5,481 %	3,380 %	3,375 %	6,106 %
112	3,454 %	5,791 %	5,476 %	3,384 %	3,380 %	6,101 %
113	3,458 %	5,789 %	5,471 %	3,389 %	3,384 %	6,095 %
114	3,462 %	5,786 %	5,466 %	3,393 %	3,389 %	6,090 %
115	3,466 %	5,784 %	5,461 %	3,398 %	3,393 %	6,085 %
116	3,470 %	5,781 %	5,456 %	3,402 %	3,398 %	6,080 %
117	3,473 %	5,779 %	5,451 %	3,406 %	3,402 %	6,075 %
118	3,477 %	5,777 %	5,446 %	3,411 %	3,406 %	6,070 %
119	3,481 %	5,774 %	5,442 %	3,415 %	3,410 %	6,065 %
120	3,484 %	5,772 %	5,437 %	3,419 %	3,414 %	6,060 %
121	3,488 %	5,770 %	5,433 %	3,423 %	3,418 %	6,056 %
122	3,491 %	5,767 %	5,428 %	3,427 %	3,422 %	6,051 %
123	3,494 %	5,765 %	5,424 %	3,430 %	3,426 %	6,047 %
124	3,498 %	5,763 %	5,420 %	3,434 %	3,430 %	6,042 %
125	3,501 %	5,761 %	5,416 %	3,438 %	3,434 %	6,038 %
126	3,504 %	5,759 %	5,412 %	3,442 %	3,437 %	6,034 %
127	3,507 %	5,757 %	5,408 %	3,445 %	3,441 %	6,029 %
128	3,510 %	5,755 %	5,404 %	3,449 %	3,445 %	6,025 %
129	3,513 %	5,753 %	5,400 %	3,452 %	3,448 %	6,021 %
130	3,516 %	5,751 %	5,396 %	3,456 %	3,452 %	6,017 %
131	3,519 %	5,749 %	5,392 %	3,459 %	3,455 %	6,013 %
132	3,522 %	5,747 %	5,388 %	3,462 %	3,458 %	6,009 %
133	3,525 %	5,745 %	5,385 %	3,466 %	3,462 %	6,006 %
134	3,528 %	5,744 %	5,381 %	3,469 %	3,465 %	6,002 %
135	3,530 %	5,742 %	5,377 %	3,472 %	3,468 %	5,998 %
136	3,533 %	5,740 %	5,374 %	3,475 %	3,471 %	5,994 %

Term to maturity (in years)	Hong Kong dollar	Indian rupee	Mexican peso	New Taiwan dollar	New Zealand dollar	Rand
137	3,536 %	5,738 %	5,370 %	3,478 %	3,475 %	5,991 %
138	3,538 %	5,736 %	5,367 %	3,481 %	3,478 %	5,987 %
139	3,541 %	5,735 %	5,364 %	3,484 %	3,481 %	5,984 %
140	3,543 %	5,733 %	5,360 %	3,487 %	3,484 %	5,980 %
141	3,546 %	5,731 %	5,357 %	3,490 %	3,487 %	5,977 %
142	3,548 %	5,730 %	5,354 %	3,493 %	3,489 %	5,973 %
143	3,551 %	5,728 %	5,351 %	3,496 %	3,492 %	5,970 %
144	3,553 %	5,727 %	5,348 %	3,499 %	3,495 %	5,967 %
145	3,556 %	5,725 %	5,344 %	3,502 %	3,498 %	5,964 %
146	3,558 %	5,723 %	5,341 %	3,504 %	3,501 %	5,960 %
147	3,560 %	5,722 %	5,338 %	3,507 %	3,503 %	5,957 %
148	3,563 %	5,720 %	5,335 %	3,510 %	3,506 %	5,954 %
149	3,565 %	5,719 %	5,332 %	3,512 %	3,509 %	5,951 %
150	3,567 %	5,718 %	5,330 %	3,515 %	3,511 %	5,948 %

Term to maturity (in years)	Real	Renminbi-yuan	Ringgit	Russian rouble	Singapore dollar	South Korean won
1	4,492 %	2,501 %	3,100 %	6,830 %	1,507 %	1,276 %
2	5,081 %	2,534 %	3,090 %	6,778 %	1,465 %	1,167 %
3	5,588 %	2,613 %	3,101 %	6,822 %	1,443 %	1,136 %
4	5,989 %	2,697 %	3,111 %	6,866 %	1,442 %	1,126 %
5	6,249 %	2,766 %	3,133 %	6,899 %	1,448 %	1,114 %
6	6,438 %	2,850 %	3,164 %	6,945 %	1,464 %	1,102 %
7	6,578 %	2,930 %	3,188 %	7,005 %	1,485 %	1,098 %
8	6,726 %	2,990 %	3,198 %	7,088 %	1,507 %	1,104 %
9	6,856 %	3,040 %	3,207 %	7,171 %	1,533 %	1,115 %
10	6,958 %	3,085 %	3,227 %	7,233 %	1,564 %	1,125 %
11	7,027 %	3,130 %	3,261 %	7,261 %	1,600 %	1,134 %
12	7,068 %	3,174 %	3,299 %	7,262 %	1,632 %	1,141 %
13	7,089 %	3,218 %	3,331 %	7,243 %	1,652 %	1,146 %
14	7,095 %	3,260 %	3,358 %	7,209 %	1,665 %	1,144 %
15	7,090 %	3,300 %	3,384 %	7,166 %	1,672 %	1,130 %
16	7,076 %	3,340 %	3,409 %	7,116 %	1,676 %	1,104 %
17	7,056 %	3,377 %	3,433 %	7,060 %	1,681 %	1,075 %
18	7,032 %	3,413 %	3,457 %	7,002 %	1,689 %	1,053 %
19	7,005 %	3,447 %	3,478 %	6,941 %	1,704 %	1,043 %

Term to maturity (in years)	Real	Renminbi-yuan	Ringgit	Russian rouble	Singapore dollar	South Korean won
20	6,975 %	3,480 %	3,499 %	6,880 %	1,727 %	1,048 %
21	6,944 %	3,512 %	3,517 %	6,818 %	1,757 %	1,071 %
22	6,912 %	3,541 %	3,534 %	6,757 %	1,794 %	1,107 %
23	6,879 %	3,570 %	3,549 %	6,696 %	1,834 %	1,152 %
24	6,847 %	3,597 %	3,563 %	6,637 %	1,878 %	1,204 %
25	6,814 %	3,623 %	3,576 %	6,579 %	1,922 %	1,259 %
26	6,782 %	3,648 %	3,588 %	6,523 %	1,968 %	1,317 %
27	6,751 %	3,672 %	3,599 %	6,468 %	2,014 %	1,376 %
28	6,720 %	3,695 %	3,609 %	6,415 %	2,059 %	1,435 %
29	6,690 %	3,716 %	3,619 %	6,364 %	2,104 %	1,494 %
30	6,660 %	3,737 %	3,628 %	6,314 %	2,148 %	1,553 %
31	6,632 %	3,757 %	3,636 %	6,267 %	2,191 %	1,610 %
32	6,604 %	3,776 %	3,644 %	6,221 %	2,233 %	1,666 %
33	6,577 %	3,794 %	3,652 %	6,177 %	2,274 %	1,720 %
34	6,552 %	3,812 %	3,659 %	6,135 %	2,313 %	1,773 %
35	6,527 %	3,829 %	3,666 %	6,094 %	2,351 %	1,824 %
36	6,503 %	3,845 %	3,672 %	6,055 %	2,388 %	1,874 %
37	6,479 %	3,860 %	3,678 %	6,017 %	2,423 %	1,922 %
38	6,457 %	3,875 %	3,683 %	5,981 %	2,457 %	1,968 %
39	6,435 %	3,889 %	3,689 %	5,946 %	2,490 %	2,012 %
40	6,414 %	3,903 %	3,694 %	5,913 %	2,522 %	2,055 %
41	6,394 %	3,916 %	3,699 %	5,881 %	2,552 %	2,096 %
42	6,375 %	3,928 %	3,704 %	5,850 %	2,582 %	2,136 %
43	6,356 %	3,940 %	3,708 %	5,821 %	2,610 %	2,174 %
44	6,338 %	3,952 %	3,712 %	5,792 %	2,638 %	2,211 %
45	6,321 %	3,963 %	3,716 %	5,765 %	2,664 %	2,246 %
46	6,304 %	3,974 %	3,720 %	5,738 %	2,689 %	2,280 %
47	6,288 %	3,984 %	3,724 %	5,713 %	2,714 %	2,313 %
48	6,272 %	3,995 %	3,727 %	5,689 %	2,737 %	2,345 %
49	6,257 %	4,004 %	3,731 %	5,665 %	2,760 %	2,375 %
50	6,243 %	4,014 %	3,734 %	5,642 %	2,782 %	2,405 %
51	6,229 %	4,023 %	3,737 %	5,620 %	2,803 %	2,433 %
52	6,215 %	4,031 %	3,740 %	5,599 %	2,823 %	2,460 %
53	6,202 %	4,040 %	3,743 %	5,579 %	2,843 %	2,487 %
54	6,189 %	4,048 %	3,746 %	5,559 %	2,862 %	2,512 %
55	6,177 %	4,056 %	3,749 %	5,540 %	2,881 %	2,537 %

Term to maturity (in years)	Real	Renminbi-yuan	Ringgit	Russian rouble	Singapore dollar	South Korean won
56	6,165 %	4,064 %	3,752 %	5,522 %	2,898 %	2,561 %
57	6,154 %	4,071 %	3,754 %	5,504 %	2,916 %	2,584 %
58	6,143 %	4,078 %	3,757 %	5,487 %	2,932 %	2,606 %
59	6,132 %	4,085 %	3,759 %	5,471 %	2,948 %	2,628 %
60	6,122 %	4,092 %	3,761 %	5,454 %	2,964 %	2,649 %
61	6,112 %	4,098 %	3,764 %	5,439 %	2,979 %	2,669 %
62	6,102 %	4,105 %	3,766 %	5,424 %	2,994 %	2,689 %
63	6,093 %	4,111 %	3,768 %	5,409 %	3,008 %	2,708 %
64	6,083 %	4,117 %	3,770 %	5,395 %	3,022 %	2,726 %
65	6,075 %	4,122 %	3,772 %	5,381 %	3,035 %	2,744 %
66	6,066 %	4,128 %	3,774 %	5,368 %	3,048 %	2,761 %
67	6,057 %	4,133 %	3,776 %	5,355 %	3,061 %	2,778 %
68	6,049 %	4,139 %	3,777 %	5,343 %	3,073 %	2,794 %
69	6,041 %	4,144 %	3,779 %	5,330 %	3,085 %	2,810 %
70	6,034 %	4,149 %	3,781 %	5,318 %	3,096 %	2,826 %
71	6,026 %	4,154 %	3,783 %	5,307 %	3,108 %	2,841 %
72	6,019 %	4,159 %	3,784 %	5,296 %	3,119 %	2,855 %
73	6,012 %	4,163 %	3,786 %	5,285 %	3,129 %	2,870 %
74	6,005 %	4,168 %	3,787 %	5,274 %	3,140 %	2,883 %
75	5,998 %	4,172 %	3,789 %	5,264 %	3,150 %	2,897 %
76	5,992 %	4,176 %	3,790 %	5,254 %	3,159 %	2,910 %
77	5,985 %	4,181 %	3,792 %	5,244 %	3,169 %	2,923 %
78	5,979 %	4,185 %	3,793 %	5,234 %	3,178 %	2,935 %
79	5,973 %	4,189 %	3,794 %	5,225 %	3,187 %	2,947 %
80	5,967 %	4,192 %	3,796 %	5,216 %	3,196 %	2,959 %
81	5,961 %	4,196 %	3,797 %	5,207 %	3,205 %	2,971 %
82	5,956 %	4,200 %	3,798 %	5,199 %	3,213 %	2,982 %
83	5,950 %	4,203 %	3,799 %	5,190 %	3,222 %	2,993 %
84	5,945 %	4,207 %	3,801 %	5,182 %	3,230 %	3,004 %
85	5,940 %	4,210 %	3,802 %	5,174 %	3,238 %	3,014 %
86	5,935 %	4,214 %	3,803 %	5,166 %	3,245 %	3,025 %
87	5,930 %	4,217 %	3,804 %	5,158 %	3,253 %	3,035 %
88	5,925 %	4,220 %	3,805 %	5,151 %	3,260 %	3,044 %
89	5,920 %	4,223 %	3,806 %	5,143 %	3,267 %	3,054 %
90	5,915 %	4,226 %	3,807 %	5,136 %	3,274 %	3,063 %
91	5,911 %	4,229 %	3,808 %	5,129 %	3,281 %	3,072 %

Term to maturity (in years)	Real	Renminbi-yuan	Ringgit	Russian rouble	Singapore dollar	South Korean won
92	5,906 %	4,232 %	3,809 %	5,122 %	3,288 %	3,081 %
93	5,902 %	4,235 %	3,810 %	5,116 %	3,294 %	3,090 %
94	5,897 %	4,238 %	3,811 %	5,109 %	3,301 %	3,099 %
95	5,893 %	4,241 %	3,812 %	5,103 %	3,307 %	3,107 %
96	5,889 %	4,243 %	3,813 %	5,096 %	3,313 %	3,115 %
97	5,885 %	4,246 %	3,814 %	5,090 %	3,319 %	3,123 %
98	5,881 %	4,249 %	3,815 %	5,084 %	3,325 %	3,131 %
99	5,877 %	4,251 %	3,816 %	5,078 %	3,331 %	3,139 %
100	5,874 %	4,254 %	3,816 %	5,072 %	3,337 %	3,147 %
101	5,870 %	4,256 %	3,817 %	5,067 %	3,342 %	3,154 %
102	5,866 %	4,259 %	3,818 %	5,061 %	3,348 %	3,161 %
103	5,863 %	4,261 %	3,819 %	5,056 %	3,353 %	3,169 %
104	5,859 %	4,263 %	3,820 %	5,050 %	3,358 %	3,176 %
105	5,856 %	4,265 %	3,820 %	5,045 %	3,363 %	3,182 %
106	5,852 %	4,268 %	3,821 %	5,040 %	3,368 %	3,189 %
107	5,849 %	4,270 %	3,822 %	5,035 %	3,373 %	3,196 %
108	5,846 %	4,272 %	3,823 %	5,030 %	3,378 %	3,202 %
109	5,843 %	4,274 %	3,823 %	5,025 %	3,383 %	3,209 %
110	5,840 %	4,276 %	3,824 %	5,020 %	3,388 %	3,215 %
111	5,837 %	4,278 %	3,825 %	5,016 %	3,392 %	3,221 %
112	5,834 %	4,280 %	3,825 %	5,011 %	3,397 %	3,227 %
113	5,831 %	4,282 %	3,826 %	5,006 %	3,401 %	3,233 %
114	5,828 %	4,284 %	3,827 %	5,002 %	3,406 %	3,239 %
115	5,825 %	4,286 %	3,827 %	4,998 %	3,410 %	3,245 %
116	5,822 %	4,288 %	3,828 %	4,993 %	3,414 %	3,250 %
117	5,819 %	4,289 %	3,829 %	4,989 %	3,418 %	3,256 %
118	5,817 %	4,291 %	3,829 %	4,985 %	3,422 %	3,261 %
119	5,814 %	4,293 %	3,830 %	4,981 %	3,426 %	3,267 %
120	5,811 %	4,295 %	3,830 %	4,977 %	3,430 %	3,272 %
121	5,809 %	4,296 %	3,831 %	4,973 %	3,434 %	3,277 %
122	5,806 %	4,298 %	3,831 %	4,969 %	3,438 %	3,282 %
123	5,804 %	4,300 %	3,832 %	4,965 %	3,442 %	3,287 %
124	5,801 %	4,301 %	3,833 %	4,961 %	3,445 %	3,292 %
125	5,799 %	4,303 %	3,833 %	4,958 %	3,449 %	3,297 %
126	5,796 %	4,304 %	3,834 %	4,954 %	3,453 %	3,302 %
127	5,794 %	4,306 %	3,834 %	4,951 %	3,456 %	3,306 %
128	5,792 %	4,307 %	3,835 %	4,947 %	3,460 %	3,311 %

Term to maturity (in years)	Real	Renminbi-yuan	Ringgit	Russian rouble	Singapore dollar	South Korean won
129	5,790 %	4,309 %	3,835 %	4,944 %	3,463 %	3,316 %
130	5,787 %	4,310 %	3,836 %	4,940 %	3,466 %	3,320 %
131	5,785 %	4,312 %	3,836 %	4,937 %	3,470 %	3,324 %
132	5,783 %	4,313 %	3,837 %	4,933 %	3,473 %	3,329 %
133	5,781 %	4,315 %	3,837 %	4,930 %	3,476 %	3,333 %
134	5,779 %	4,316 %	3,838 %	4,927 %	3,479 %	3,337 %
135	5,777 %	4,317 %	3,838 %	4,924 %	3,482 %	3,341 %
136	5,775 %	4,319 %	3,839 %	4,921 %	3,485 %	3,346 %
137	5,773 %	4,320 %	3,839 %	4,918 %	3,488 %	3,350 %
138	5,771 %	4,321 %	3,839 %	4,915 %	3,491 %	3,354 %
139	5,769 %	4,323 %	3,840 %	4,912 %	3,494 %	3,357 %
140	5,767 %	4,324 %	3,840 %	4,909 %	3,497 %	3,361 %
141	5,765 %	4,325 %	3,841 %	4,906 %	3,500 %	3,365 %
142	5,763 %	4,326 %	3,841 %	4,903 %	3,503 %	3,369 %
143	5,761 %	4,328 %	3,842 %	4,900 %	3,506 %	3,373 %
144	5,759 %	4,329 %	3,842 %	4,897 %	3,508 %	3,376 %
145	5,758 %	4,330 %	3,842 %	4,894 %	3,511 %	3,380 %
146	5,756 %	4,331 %	3,843 %	4,892 %	3,514 %	3,383 %
147	5,754 %	4,332 %	3,843 %	4,889 %	3,516 %	3,387 %
148	5,752 %	4,333 %	3,843 %	4,886 %	3,519 %	3,390 %
149	5,751 %	4,335 %	3,844 %	4,884 %	3,522 %	3,394 %
150	5,749 %	4,336 %	3,844 %	4,881 %	3,524 %	3,397 %

Term to maturity (in years)	Turkish lira	US dollar	Yen
1	13,900 %	1,704 %	-0,206 %
2	13,852 %	1,506 %	-0,247 %
3	13,579 %	1,423 %	-0,263 %
4	13,533 %	1,386 %	-0,265 %
5	13,410 %	1,374 %	-0,254 %
6	13,208 %	1,375 %	-0,236 %
7	13,028 %	1,383 %	-0,213 %
8	12,921 %	1,399 %	-0,183 %
9	12,849 %	1,419 %	-0,150 %
10	12,772 %	1,441 %	-0,118 %
11	12,666 %	1,463 %	-0,087 %

Term to maturity (in years)	Turkish lira	US dollar	Yen
12	12,536 %	1,481 %	-0,058 %
13	12,387 %	1,498 %	-0,029 %
14	12,226 %	1,514 %	-0,001 %
15	12,057 %	1,529 %	0,025 %
16	11,883 %	1,542 %	0,049 %
17	11,706 %	1,554 %	0,071 %
18	11,529 %	1,565 %	0,093 %
19	11,353 %	1,574 %	0,113 %
20	11,180 %	1,581 %	0,133 %
21	11,010 %	1,587 %	0,153 %
22	10,844 %	1,591 %	0,171 %
23	10,683 %	1,595 %	0,187 %
24	10,527 %	1,598 %	0,199 %
25	10,377 %	1,600 %	0,207 %
26	10,231 %	1,601 %	0,211 %
27	10,092 %	1,601 %	0,216 %
28	9,958 %	1,602 %	0,224 %
29	9,829 %	1,602 %	0,239 %
30	9,706 %	1,602 %	0,263 %
31	9,588 %	1,603 %	0,296 %
32	9,475 %	1,603 %	0,336 %
33	9,367 %	1,603 %	0,382 %
34	9,263 %	1,603 %	0,432 %
35	9,164 %	1,601 %	0,484 %
36	9,070 %	1,598 %	0,537 %
37	8,979 %	1,594 %	0,592 %
38	8,892 %	1,589 %	0,647 %
39	8,809 %	1,581 %	0,701 %
40	8,730 %	1,572 %	0,756 %
41	8,654 %	1,561 %	0,809 %
42	8,581 %	1,549 %	0,862 %
43	8,511 %	1,537 %	0,913 %
44	8,444 %	1,527 %	0,963 %
45	8,380 %	1,520 %	1,012 %
46	8,318 %	1,515 %	1,060 %
47	8,259 %	1,513 %	1,106 %
48	8,202 %	1,515 %	1,151 %
49	8,147 %	1,521 %	1,195 %

Term to maturity (in years)	Turkish lira	US dollar	Yen
50	8,095 %	1,531 %	1,238 %
51	8,044 %	1,546 %	1,279 %
52	7,995 %	1,564 %	1,319 %
53	7,948 %	1,584 %	1,358 %
54	7,903 %	1,607 %	1,395 %
55	7,859 %	1,631 %	1,432 %
56	7,817 %	1,657 %	1,467 %
57	7,776 %	1,683 %	1,501 %
58	7,737 %	1,710 %	1,535 %
59	7,699 %	1,738 %	1,567 %
60	7,662 %	1,765 %	1,598 %
61	7,626 %	1,793 %	1,628 %
62	7,592 %	1,821 %	1,658 %
63	7,558 %	1,848 %	1,686 %
64	7,526 %	1,875 %	1,714 %
65	7,495 %	1,902 %	1,741 %
66	7,464 %	1,929 %	1,767 %
67	7,435 %	1,955 %	1,793 %
68	7,406 %	1,981 %	1,817 %
69	7,378 %	2,006 %	1,841 %
70	7,351 %	2,031 %	1,865 %
71	7,325 %	2,056 %	1,887 %
72	7,299 %	2,080 %	1,909 %
73	7,275 %	2,103 %	1,931 %
74	7,250 %	2,126 %	1,952 %
75	7,227 %	2,149 %	1,972 %
76	7,204 %	2,171 %	1,992 %
77	7,182 %	2,192 %	2,012 %
78	7,160 %	2,213 %	2,030 %
79	7,139 %	2,234 %	2,049 %
80	7,118 %	2,254 %	2,067 %
81	7,098 %	2,274 %	2,084 %
82	7,078 %	2,293 %	2,102 %
83	7,059 %	2,312 %	2,118 %
84	7,041 %	2,330 %	2,135 %
85	7,022 %	2,349 %	2,151 %
86	7,004 %	2,366 %	2,166 %
87	6,987 %	2,384 %	2,181 %
88	6,970 %	2,401 %	2,196 %
89	6,953 %	2,417 %	2,211 %

Term to maturity (in years)	Turkish lira	US dollar	Yen
90	6,937 %	2,433 %	2,225 %
91	6,921 %	2,449 %	2,239 %
92	6,906 %	2,465 %	2,252 %
93	6,891 %	2,480 %	2,266 %
94	6,876 %	2,495 %	2,279 %
95	6,861 %	2,510 %	2,292 %
96	6,847 %	2,524 %	2,304 %
97	6,833 %	2,538 %	2,316 %
98	6,819 %	2,552 %	2,328 %
99	6,806 %	2,565 %	2,340 %
100	6,793 %	2,579 %	2,352 %
101	6,780 %	2,591 %	2,363 %
102	6,767 %	2,604 %	2,374 %
103	6,755 %	2,617 %	2,385 %
104	6,743 %	2,629 %	2,396 %
105	6,731 %	2,641 %	2,406 %
106	6,719 %	2,653 %	2,416 %
107	6,708 %	2,664 %	2,426 %
108	6,696 %	2,676 %	2,436 %
109	6,685 %	2,687 %	2,446 %
110	6,674 %	2,698 %	2,456 %
111	6,664 %	2,709 %	2,465 %
112	6,653 %	2,719 %	2,474 %
113	6,643 %	2,730 %	2,483 %
114	6,633 %	2,740 %	2,492 %
115	6,623 %	2,750 %	2,501 %
116	6,613 %	2,760 %	2,509 %
117	6,604 %	2,769 %	2,518 %
118	6,594 %	2,779 %	2,526 %
119	6,585 %	2,788 %	2,534 %
120	6,576 %	2,797 %	2,542 %
121	6,567 %	2,806 %	2,550 %
122	6,558 %	2,815 %	2,558 %
123	6,550 %	2,824 %	2,565 %
124	6,541 %	2,833 %	2,573 %
125	6,533 %	2,841 %	2,580 %

Term to maturity (in years)	Turkish lira	US dollar	Yen
126	6,525 %	2,850 %	2,588 %
127	6,516 %	2,858 %	2,595 %
128	6,508 %	2,866 %	2,602 %
129	6,501 %	2,874 %	2,609 %
130	6,493 %	2,882 %	2,616 %
131	6,485 %	2,890 %	2,622 %
132	6,478 %	2,897 %	2,629 %
133	6,470 %	2,905 %	2,635 %
134	6,463 %	2,912 %	2,642 %
135	6,456 %	2,919 %	2,648 %
136	6,449 %	2,926 %	2,654 %
137	6,442 %	2,934 %	2,661 %
138	6,435 %	2,941 %	2,667 %
139	6,428 %	2,947 %	2,673 %
140	6,422 %	2,954 %	2,678 %
141	6,415 %	2,961 %	2,684 %
142	6,409 %	2,967 %	2,690 %
143	6,402 %	2,974 %	2,696 %
144	6,396 %	2,980 %	2,701 %
145	6,390 %	2,987 %	2,707 %
146	6,384 %	2,993 %	2,712 %
147	6,378 %	2,999 %	2,717 %
148	6,372 %	3,005 %	2,723 %
149	6,366 %	3,011 %	2,728 %
150	6,360 %	3,017 %	2,733 %

ANNEX II

Fundamental spreads for the calculation of the matching adjustment

The fundamental spreads set out in this Annex are expressed in basis points and do not include any increase in accordance with Article 77c(1)(c) of Directive 2009/138/EC.

1. Exposures to central governments and central banks

The fundamental spreads apply to exposures denominated in all currencies.

The fundamental spreads for durations from 11 to 30 years are equal to the fundamental spreads for duration 10 years.

Duration (in years)	Austria	Belgium	Bulgaria	Croatia	Czech Republic	Cyprus	Denmark
1	0	0	32	5	0	25	1
2	0	0	39	5	0	42	0
3	0	1	44	5	2	47	0
4	0	2	47	5	3	48	0
5	0	4	52	5	5	51	0
6	1	5	54	5	7	54	0
7	2	6	58	5	9	55	0
8	3	7	59	5	11	54	0
9	3	8	61	5	12	52	0
10	3	8	63	5	13	51	0

Duration (in years)	Estonia	Finland	France	Germany	Greece	Hungary	Ireland
1	0	0	0	0	398	4	16
2	0	0	0	0	246	4	23
3	1	0	0	0	218	4	25
4	2	0	0	0	190	4	26
5	4	0	0	0	174	4	28
6	5	0	0	0	171	4	29
7	6	0	0	0	168	4	30
8	7	0	1	0	172	2	31
9	8	0	2	0	174	1	31
10	8	0	3	0	176	4	31

Duration (in years)	Italy	Latvia	Lithuania	Luxembourg	Malta	Netherlands	Poland
1	6	5	5	0	16	0	4
2	14	11	12	0	23	0	4

Duration (in years)	Italy	Latvia	Lithuania	Luxembourg	Malta	Netherlands	Poland
3	19	14	15	0	25	0	4
4	21	16	17	0	26	0	4
5	23	18	19	0	28	0	4
6	25	20	21	0	29	0	4
7	26	21	22	0	30	0	4
8	28	22	23	1	31	0	4
9	29	23	24	2	31	0	4
10	31	24	25	3	31	0	4

Duration (in years)	Portugal	Romania	Slovakia	Slovenia	Spain	Sweden	United Kingdom
1	25	9	12	19	5	0	0
2	42	17	16	22	12	0	0
3	47	19	18	26	15	0	0
4	48	21	20	31	17	0	0
5	51	22	21	34	19	0	0
6	54	23	22	37	21	0	0
7	55	25	24	39	22	0	0
8	54	27	25	40	23	0	0
9	52	28	25	41	24	0	0
10	51	25	25	41	25	0	0

Duration (in years)	Liechtenstein	Norway	Switzerland	Australia	Brazil	Canada	Chile
1	0	0	0	0	12	0	17
2	0	0	0	0	12	0	19
3	0	0	0	0	12	0	18
4	0	0	0	0	12	0	17
5	0	0	0	0	12	0	16
6	0	0	0	0	12	0	15
7	0	0	0	0	12	0	14
8	0	0	0	0	12	0	15
9	0	0	0	0	12	0	16
10	0	0	0	0	12	0	13

Duration (in years)	China	Colombia	Hong Kong	India	Japan	Malaysia	Mexico
1	0	11	0	10	0	0	9
2	0	18	0	10	0	0	9
3	1	29	0	10	0	0	10
4	2	37	0	10	0	0	10
5	2	39	0	10	0	0	10
6	3	42	0	10	0	0	10
7	4	44	0	10	0	0	10
8	7	42	0	10	0	0	10
9	5	39	0	10	0	0	10
10	5	41	0	10	1	0	10

Duration (in years)	New Zealand	Russia	Singapore	South Africa	South Korea	Thailand	Taiwan
1	0	0	0	6	10	1	4
2	0	0	0	7	12	0	4
3	0	0	0	8	12	0	4
4	0	0	0	7	14	0	4
5	0	1	0	7	15	0	4
6	0	5	0	7	15	0	4
7	0	7	0	9	15	0	4
8	0	11	0	10	15	0	4
9	0	17	0	10	15	0	4
10	0	17	0	12	15	0	4

Duration (in years)	United States
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0

2. Exposures to financial institutions

2.1 Euro

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	6	20	45	120	234	557	1240
2	6	20	45	120	234	557	999
3	7	22	46	113	230	553	814
4	8	25	49	115	229	552	674
5	10	28	54	118	229	552	566
6	11	30	57	123	229	552	552
7	12	32	59	126	229	552	552
8	12	33	59	124	229	552	552
9	12	34	59	124	229	552	552
10	13	35	59	123	229	552	552
11	13	36	59	123	229	552	552
12	14	37	59	123	229	552	552
13	14	37	59	123	229	552	552
14	14	38	59	123	229	552	552
15	14	38	59	123	229	552	552
16	14	38	59	123	229	552	552
17	14	38	59	123	229	552	552
18	14	38	59	123	229	552	552
19	15	38	59	123	229	552	552
20	15	38	59	123	229	552	552
21	16	38	59	123	229	552	552
22	17	38	59	123	229	552	552
23	17	38	59	123	229	552	552
24	19	38	59	123	229	552	552
25	19	38	59	123	229	552	552
26	20	38	59	123	229	552	552
27	20	38	59	123	229	552	552
28	21	38	59	123	229	552	552
29	21	38	59	123	229	552	552
30	23	38	59	123	229	552	552

2.2 Czech koruna

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	12	27	51	127	240	563	1292
2	15	29	53	129	242	565	1040
3	16	31	55	122	239	562	847
4	17	33	57	124	238	561	700
5	18	36	62	127	237	560	587
6	18	37	65	131	236	560	560
7	19	39	66	133	236	559	559
8	18	39	65	131	235	558	558
9	18	39	65	129	235	558	558
10	18	40	64	129	234	557	557
11	18	41	64	128	234	557	557
12	18	41	63	128	233	556	556
13	18	41	63	127	232	556	556
14	17	41	62	126	232	555	555
15	17	40	62	126	231	555	555
16	16	40	61	125	231	554	554
17	16	39	61	125	231	554	554
18	16	39	61	125	231	554	554
19	16	39	61	125	231	554	554
20	16	40	61	126	231	554	554
21	17	40	62	126	231	555	555
22	17	40	62	126	232	555	555
23	17	40	62	126	232	555	555
24	19	40	62	126	232	555	555
25	19	41	62	126	232	555	555
26	20	41	62	126	232	555	555
27	20	41	62	126	232	555	555
28	21	41	62	126	232	555	555
29	22	40	62	126	232	555	555
30	23	40	62	126	232	555	555

2.3 Danish krone

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	6	20	45	120	234	557	1240
2	6	20	45	120	234	557	999
3	7	22	46	113	230	553	814
4	8	25	49	115	229	552	674
5	10	27	54	118	229	552	566
6	11	30	57	123	229	552	552
7	12	32	59	126	229	552	552
8	12	33	59	124	229	552	552
9	12	33	59	123	229	552	552
10	13	35	59	123	229	552	552
11	13	36	59	123	229	552	552
12	14	37	59	123	229	552	552
13	14	37	59	123	229	552	552
14	14	37	59	123	229	552	552
15	14	37	59	123	229	552	552
16	14	37	59	123	229	552	552
17	14	37	59	123	229	552	552
18	14	37	59	123	229	552	552
19	15	37	59	123	229	552	552
20	15	37	59	123	229	552	552
21	16	37	59	123	229	552	552
22	17	37	59	123	229	552	552
23	17	37	59	123	229	552	552
24	19	37	59	123	229	552	552
25	19	37	59	123	229	552	552
26	20	37	59	123	229	552	552
27	20	37	59	123	229	552	552
28	21	38	59	123	229	552	552
29	21	38	59	123	229	552	552
30	23	38	59	123	229	552	552

2.4 Forint

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	81	95	120	195	309	632	1251
2	77	91	116	191	305	628	1010
3	81	96	120	187	304	627	825
4	80	96	120	187	301	624	686
5	79	97	123	188	298	621	621
6	78	97	125	191	296	619	619
7	77	97	124	191	294	617	617
8	76	97	123	188	293	616	616
9	75	97	122	186	292	615	615
10	72	94	118	183	288	611	611
11	70	93	116	180	285	609	609
12	69	92	114	179	284	607	607
13	69	92	114	178	283	606	606
14	68	92	113	177	283	606	606
15	68	91	113	177	282	606	606
16	67	90	112	176	282	605	605
17	67	90	112	176	281	605	605
18	66	89	111	175	281	604	604
19	65	89	110	174	280	603	603
20	65	88	110	174	279	602	602
21	64	87	109	173	278	602	602
22	63	86	108	172	278	601	601
23	62	85	107	171	277	600	600
24	61	84	106	170	276	599	599
25	60	83	105	169	275	598	598
26	59	82	104	168	274	597	597
27	58	81	103	167	273	596	596
28	57	80	102	166	271	595	595
29	56	79	101	165	270	594	594
30	55	78	100	164	269	593	593

2.5 Krona

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	10	24	49	124	237	561	1247
2	11	26	50	125	239	562	1004
3	14	29	53	120	237	560	819
4	15	32	56	122	236	559	678
5	17	35	61	126	236	559	570
6	18	37	65	130	236	559	559
7	19	39	66	133	236	559	559
8	19	39	65	131	235	559	559
9	18	40	65	130	235	558	558
10	18	40	65	129	234	558	558
11	19	41	64	129	234	557	557
12	19	42	64	128	234	557	557
13	19	42	64	128	233	557	557
14	19	42	64	128	233	557	557
15	19	42	64	128	233	556	556
16	18	41	63	127	233	556	556
17	18	41	63	127	233	556	556
18	18	41	63	127	233	556	556
19	18	42	63	127	233	556	556
20	19	42	64	128	233	557	557
21	19	42	64	128	234	557	557
22	19	43	64	128	234	557	557
23	20	43	64	129	234	557	557
24	20	43	65	129	234	557	557
25	20	43	65	129	234	557	557
26	20	43	65	129	234	557	557
27	20	43	64	129	234	557	557
28	21	43	64	129	234	557	557
29	22	43	64	128	234	557	557
30	23	43	64	128	234	557	557

2.6 Kuna

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	50	64	89	164	277	601	1250
2	53	68	92	168	281	604	1007
3	59	74	98	165	282	605	821
4	62	79	103	169	283	606	680
5	65	82	109	173	284	607	607
6	66	85	112	178	284	607	607
7	66	86	113	180	283	606	606
8	65	86	112	178	282	605	605
9	64	86	111	175	281	604	604
10	63	85	109	174	279	603	603
11	62	85	108	172	278	601	601
12	61	84	107	171	276	600	600
13	60	83	105	169	275	598	598
14	59	82	104	168	274	597	597
15	58	81	103	167	272	596	596
16	57	80	102	166	271	595	595
17	56	79	101	165	271	594	594
18	55	79	100	164	270	593	593
19	55	78	100	164	269	592	592
20	54	77	99	163	269	592	592
21	53	77	98	162	268	591	591
22	53	76	98	162	267	590	590
23	52	75	97	161	266	590	590
24	51	74	96	160	266	589	589
25	50	73	95	159	265	588	588
26	49	73	94	158	264	587	587
27	48	72	93	158	263	586	586
28	48	71	93	157	262	585	585
29	47	70	92	156	261	585	585
30	46	69	91	155	261	584	584

2.7 Lev

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	5	19	44	119	233	556	1239
2	5	19	44	119	233	556	998
3	6	22	45	112	229	552	814
4	7	24	48	114	228	551	674
5	9	27	53	118	228	551	566
6	10	29	57	122	228	551	551
7	11	31	58	125	228	551	551
8	11	32	58	123	228	551	551
9	11	33	58	123	228	551	551
10	12	34	58	122	228	551	551
11	12	35	58	123	228	551	551
12	13	36	58	123	228	551	551
13	13	36	58	123	228	551	551
14	13	37	58	123	228	551	551
15	13	37	58	123	228	551	551
16	13	37	58	123	228	551	551
17	13	37	58	123	228	551	551
18	13	37	58	123	228	551	551
19	15	37	58	123	228	551	551
20	15	37	58	123	228	551	551
21	16	37	58	123	228	551	551
22	17	37	58	123	228	551	551
23	17	37	58	123	228	551	551
24	19	37	58	123	228	551	551
25	19	37	58	123	228	551	551
26	20	37	58	123	228	551	551
27	20	37	58	123	228	551	551
28	21	37	58	123	228	551	551
29	21	37	59	123	228	551	551
30	23	37	59	123	228	551	551

2.8 *Pound sterling*

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	7	24	55	152	252	575	1263
2	7	24	55	152	252	575	1016
3	8	26	55	137	248	571	829
4	10	29	57	127	246	569	686
5	11	31	58	115	245	568	576
6	14	34	61	108	244	567	567
7	16	37	62	100	243	566	566
8	17	38	61	93	242	565	565
9	20	45	64	87	241	564	564
10	19	45	62	84	240	563	563
11	18	44	60	84	239	562	562
12	17	43	61	85	238	561	561
13	18	44	61	85	237	561	561
14	18	44	61	85	237	560	560
15	18	44	61	85	236	559	559
16	18	44	61	85	234	558	558
17	18	44	61	85	233	557	557
18	18	44	61	85	233	556	556
19	18	44	61	85	233	556	556
20	18	44	61	85	233	556	556
21	18	44	61	85	233	557	557
22	18	44	61	85	233	556	556
23	18	44	61	85	233	556	556
24	19	44	61	85	232	555	555
25	19	44	61	85	232	555	555
26	20	44	61	85	231	554	554
27	20	44	61	85	231	554	554
28	21	44	61	85	230	553	553
29	21	44	61	85	230	553	553
30	23	44	61	85	229	553	553

2.9 Romanian leu

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	86	100	125	200	314	637	1312
2	84	98	123	198	312	635	1059
3	83	99	122	189	306	629	866
4	82	99	123	189	303	626	718
5	81	99	125	190	300	623	623
6	80	99	126	192	298	621	621
7	79	99	126	192	295	618	618
8	76	97	123	188	293	616	616
9	74	95	120	185	291	614	614
10	73	95	119	183	289	612	612
11	72	94	118	182	287	610	610
12	71	93	116	180	286	609	609
13	69	92	114	179	284	607	607
14	68	91	113	177	282	606	606
15	67	90	112	176	281	604	604
16	65	89	110	174	280	603	603
17	64	88	109	173	279	602	602
18	63	87	108	172	278	601	601
19	62	86	107	172	277	600	600
20	62	85	107	171	276	599	599
21	61	84	106	170	275	598	598
22	60	83	105	169	274	598	598
23	59	82	104	168	273	597	597
24	58	81	103	167	272	595	595
25	57	80	102	166	271	594	594
26	56	79	101	165	270	593	593
27	55	78	100	164	269	592	592
28	54	77	99	163	268	591	591
29	53	76	98	162	267	590	590
30	52	75	97	161	266	589	589

2.10 Zloty

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	59	73	98	173	287	610	1272
2	58	72	97	172	286	609	1029
3	58	73	97	164	281	604	840
4	58	75	99	165	279	602	696
5	58	75	102	166	277	600	600
6	57	76	103	169	275	598	598
7	57	76	104	170	273	596	596
8	55	76	102	167	272	595	595
9	54	75	100	165	270	593	593
10	53	75	99	163	269	592	592
11	52	75	98	162	268	591	591
12	52	75	97	162	267	590	590
13	52	75	97	161	266	589	589
14	51	74	96	160	266	589	589
15	50	74	95	159	265	588	588
16	49	73	94	158	264	587	587
17	49	72	94	158	263	587	587
18	48	71	93	157	263	586	586
19	48	71	93	157	262	585	585
20	47	71	92	157	262	585	585
21	47	70	92	156	262	585	585
22	47	70	92	156	261	584	584
23	46	69	91	155	261	584	584
24	46	69	90	155	260	583	583
25	45	68	90	154	259	583	583
26	44	68	89	153	259	582	582
27	44	67	88	153	258	581	581
28	43	66	88	152	257	581	581
29	42	65	87	151	257	580	580
30	42	65	86	151	256	579	579

2.11 Norwegian krone

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	31	45	70	145	259	582	1285
2	32	46	71	146	259	583	1036
3	32	47	71	138	255	578	844
4	32	49	73	139	253	576	698
5	33	51	77	141	252	575	586
6	33	52	80	145	251	574	574
7	33	53	80	147	250	573	573
8	32	53	79	145	249	572	572
9	32	53	78	143	248	572	572
10	32	54	78	142	248	571	571
11	32	54	77	142	247	570	570
12	31	54	77	141	246	569	569
13	31	54	76	140	245	569	569
14	30	54	75	139	245	568	568
15	30	53	75	139	244	567	567
16	29	52	74	138	243	566	566
17	28	51	73	137	243	566	566
18	28	51	73	137	242	566	566
19	28	51	73	137	242	565	565
20	28	51	73	137	242	565	565
21	28	51	73	137	242	565	565
22	28	51	73	137	242	565	565
23	27	51	72	137	242	565	565
24	27	51	72	136	242	565	565
25	27	50	72	136	242	565	565
26	27	50	72	136	241	565	565
27	27	50	71	136	241	564	564
28	26	50	71	135	241	564	564
29	26	49	71	135	240	564	564
30	26	49	71	135	240	563	563

2.12 *Swiss franc*

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	0	3	25	100	214	537	1234
2	1	5	26	101	215	538	993
3	2	5	28	95	212	535	810
4	3	6	30	97	210	534	671
5	4	9	35	100	210	534	564
6	4	11	39	105	210	534	534
7	5	14	41	107	210	534	534
8	7	14	40	106	210	533	533
9	7	15	40	105	210	533	533
10	8	16	40	105	210	533	533
11	8	18	42	106	211	535	535
12	9	18	40	104	210	533	533
13	11	19	41	105	211	534	534
14	11	20	41	105	211	534	534
15	12	18	40	104	209	533	533
16	12	17	39	103	208	532	532
17	13	17	39	103	208	532	532
18	13	17	39	103	209	532	532
19	15	18	39	103	209	532	532
20	15	18	40	104	209	533	533
21	16	19	40	104	210	533	533
22	16	20	40	105	210	533	533
23	17	21	40	104	210	533	533
24	17	21	40	104	210	533	533
25	19	22	40	104	210	533	533
26	19	23	41	104	210	533	533
27	20	24	42	104	209	533	533
28	20	25	43	104	209	533	533
29	21	25	45	104	209	533	533
30	22	26	46	104	209	533	533

2.13 *Australian dollar*

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	47	61	86	161	275	598	1264
2	47	61	86	161	275	598	1018
3	48	63	86	154	270	594	830
4	48	64	88	155	269	592	687
5	48	66	92	157	267	591	591
6	48	67	95	161	266	589	589
7	49	68	96	162	265	588	588
8	47	68	94	160	264	587	587
9	46	68	93	158	263	586	586
10	46	68	92	157	262	585	585
11	46	68	92	156	261	585	585
12	45	68	91	155	260	584	584
13	45	68	90	154	260	583	583
14	45	68	90	154	259	582	582
15	44	67	89	153	258	582	582
16	43	66	88	152	258	581	581
17	42	66	87	152	257	580	580
18	42	65	87	151	256	580	580
19	41	65	86	151	256	579	579
20	41	65	86	150	256	579	579
21	41	64	86	150	256	579	579
22	41	64	86	150	255	578	578
23	40	63	85	149	255	578	578
24	40	63	85	149	254	577	577
25	39	62	84	148	254	577	577
26	38	62	83	147	253	576	576
27	38	61	83	147	252	575	575
28	37	60	82	146	252	575	575
29	36	60	81	145	251	574	574
30	36	59	81	145	250	574	574

2.14 Baht

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	16	31	55	131	244	567	1274
2	20	35	59	134	248	571	1026
3	25	40	64	131	248	571	837
4	28	45	69	135	249	572	693
5	31	49	75	140	250	573	582
6	30	49	76	142	248	571	571
7	35	55	82	148	251	575	575
8	33	54	80	146	250	573	573
9	34	56	81	146	251	574	574
10	36	58	82	147	252	575	575
11	38	60	84	148	253	577	577
12	39	62	84	148	254	577	577
13	40	63	85	149	254	578	578
14	40	63	85	149	255	578	578
15	40	63	85	149	255	578	578
16	40	63	85	149	254	577	577
17	40	63	85	149	254	577	577
18	39	62	84	148	253	577	577
19	39	62	83	148	253	576	576
20	39	62	84	148	253	576	576
21	38	62	83	148	253	576	576
22	38	62	83	147	253	576	576
23	38	61	83	147	252	576	576
24	38	61	82	147	252	575	575
25	37	60	82	146	252	575	575
26	37	60	82	146	251	574	574
27	36	59	81	145	251	574	574
28	36	59	80	145	250	573	573
29	35	58	80	144	250	573	573
30	35	58	79	144	249	572	572

2.15 *Canadian dollar*

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	16	30	55	130	243	567	1286
2	17	31	56	131	245	568	1035
3	19	34	58	125	242	565	844
4	21	37	61	127	241	564	698
5	22	40	66	131	241	564	586
6	23	42	70	135	241	564	564
7	24	44	71	138	241	564	564
8	24	45	71	136	241	564	564
9	24	46	71	136	241	564	564
10	25	47	71	136	241	564	564
11	26	48	72	136	241	564	564
12	26	49	72	136	241	565	565
13	27	50	72	136	241	565	565
14	27	50	72	136	241	565	565
15	27	50	72	136	242	565	565
16	27	50	72	136	241	565	565
17	27	50	72	136	241	565	565
18	27	50	72	136	241	564	564
19	27	50	72	136	241	564	564
20	27	50	72	136	241	565	565
21	27	50	72	136	241	565	565
22	27	50	71	136	241	564	564
23	26	49	71	135	241	564	564
24	26	49	71	135	240	564	564
25	25	49	70	134	240	563	563
26	25	48	70	134	239	563	563
27	25	48	69	134	239	562	562
28	24	47	69	133	239	562	562
29	24	47	69	133	238	562	562
30	24	47	68	133	238	561	561

2.16 *Chilean peso*

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	51	65	89	165	278	601	1279
2	53	68	92	167	281	604	1031
3	57	73	96	163	280	603	842
4	59	76	100	166	280	603	698
5	61	79	106	170	280	604	604
6	63	82	109	175	281	604	604
7	64	84	111	177	281	604	604
8	63	84	110	176	280	603	603
9	63	85	110	174	280	603	603
10	64	86	110	174	280	603	603
11	64	86	110	174	279	602	602
12	64	86	109	173	279	602	602
13	63	86	108	172	278	601	601
14	62	86	107	171	277	600	600
15	61	85	106	171	276	599	599
16	61	84	106	170	275	598	598
17	60	83	105	169	274	598	598
18	59	82	104	168	274	597	597
19	58	82	103	168	273	596	596
20	58	81	103	167	272	596	596
21	57	80	102	166	272	595	595
22	56	79	101	165	271	594	594
23	55	79	100	164	270	593	593
24	54	78	99	164	269	592	592
25	54	77	98	163	268	591	591
26	53	76	98	162	267	590	590
27	52	75	97	161	266	589	589
28	51	74	96	160	265	589	589
29	50	73	95	159	264	588	588
30	49	72	94	158	264	587	587

2.17 Colombian peso

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	82	96	121	196	309	633	1330
2	86	100	125	200	314	637	1077
3	87	103	126	194	310	633	880
4	88	105	129	195	309	632	730
5	91	109	135	200	310	633	633
6	93	112	139	205	311	634	634
7	94	114	142	208	311	634	634
8	95	116	142	208	312	635	635
9	96	117	143	207	313	636	636
10	97	119	143	207	313	636	636
11	97	119	143	207	312	635	635
12	96	119	142	206	311	634	634
13	95	118	140	204	310	633	633
14	94	117	139	203	308	632	632
15	93	116	137	202	307	630	630
16	91	114	136	200	306	629	629
17	90	113	135	199	304	627	627
18	88	112	133	197	303	626	626
19	87	110	132	196	301	625	625
20	86	109	131	195	300	623	623
21	84	107	129	193	299	622	622
22	83	106	128	192	297	621	621
23	81	104	126	190	296	619	619
24	80	103	125	189	294	617	617
25	78	101	123	187	292	616	616
26	76	100	121	185	291	614	614
27	75	98	120	184	289	613	613
28	73	97	118	182	288	611	611
29	72	95	117	181	286	610	610
30	70	94	115	179	285	608	608

2.18 Hong Kong dollar

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	9	23	48	123	237	560	1288
2	12	27	51	126	240	563	1036
3	16	31	55	122	239	562	844
4	19	35	59	126	239	563	698
5	21	39	65	130	240	564	586
6	23	42	69	135	241	564	564
7	24	44	71	138	241	564	564
8	24	45	71	137	241	564	564
9	25	46	71	136	241	564	564
10	25	47	71	136	241	564	564
11	26	48	71	136	241	564	564
12	26	49	71	135	241	564	564
13	25	49	71	135	240	563	563
14	25	48	70	134	239	563	563
15	24	48	69	133	239	562	562
16	23	47	68	132	238	561	561
17	23	46	68	132	237	561	561
18	23	46	68	132	237	560	560
19	22	46	67	132	237	560	560
20	23	46	68	132	237	560	560
21	23	46	68	132	237	560	560
22	23	46	68	132	237	560	560
23	23	46	68	132	237	560	560
24	23	46	67	132	237	560	560
25	22	46	67	131	237	560	560
26	22	46	67	131	237	560	560
27	22	45	67	131	237	560	560
28	22	45	67	131	236	560	560
29	22	45	67	131	236	559	559
30	23	45	66	131	236	559	559

2.19 Indian rupee

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	95	109	134	209	323	646	1359
2	95	109	134	209	323	646	1099
3	96	111	135	202	319	642	899
4	97	114	138	204	318	641	746
5	98	116	142	207	317	640	640
6	98	117	145	211	316	640	640
7	99	119	146	213	316	639	639
8	99	119	146	211	315	639	639
9	98	119	144	209	314	638	638
10	97	119	143	208	313	636	636
11	96	118	142	206	311	634	634
12	94	117	140	204	309	633	633
13	93	116	138	202	307	631	631
14	91	114	136	200	306	629	629
15	89	113	134	198	304	627	627
16	87	110	132	196	302	625	625
17	86	109	130	195	300	623	623
18	84	107	129	193	298	622	622
19	83	106	128	192	297	620	620
20	82	105	127	191	296	619	619
21	80	104	125	190	295	618	618
22	79	103	124	188	294	617	617
23	78	101	123	187	293	616	616
24	77	100	122	186	292	615	615
25	76	99	121	185	290	614	614
26	75	98	120	184	289	612	612
27	74	97	118	183	288	611	611
28	72	96	117	181	287	610	610
29	71	95	116	180	286	609	609
30	70	94	115	179	285	608	608

2.20 Mexican peso

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	336	350	375	450	564	887	1389
2	82	96	121	196	310	633	1114
3	86	101	125	192	309	632	907
4	89	106	130	196	310	633	751
5	92	109	136	200	311	634	634
6	93	112	140	206	311	635	635
7	95	115	142	208	312	635	635
8	96	116	142	208	312	636	636
9	96	117	142	207	313	636	636
10	96	118	142	207	312	635	635
11	97	119	142	207	312	635	635
12	97	120	143	207	312	635	635
13	98	121	143	207	312	636	636
14	99	122	143	208	313	636	636
15	99	122	144	208	314	637	637
16	100	123	145	209	315	638	638
17	101	124	146	210	316	639	639
18	102	125	147	211	317	640	640
19	103	126	148	212	318	641	641
20	104	127	149	213	318	641	641
21	104	127	149	213	318	641	641
22	103	127	148	213	318	641	641
23	103	126	148	212	317	641	641
24	102	125	147	211	317	640	640
25	101	124	146	210	315	639	639
26	100	123	145	209	314	638	638
27	99	122	143	208	313	636	636
28	97	121	142	206	312	635	635
29	96	119	141	205	310	634	634
30	94	118	139	203	309	632	632

2.21 *New Taiwan dollar*

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	0	11	36	111	224	548	1259
2	1	11	36	111	224	548	1015
3	2	13	36	104	220	544	828
4	3	15	38	105	219	542	685
5	4	16	43	107	218	541	576
6	5	18	45	111	217	540	540
7	5	19	47	113	216	539	539
8	7	19	45	111	215	539	539
9	7	19	44	109	214	537	537
10	8	20	44	108	214	537	537
11	8	21	44	108	214	537	537
12	9	21	44	108	214	537	537
13	11	22	44	108	214	537	537
14	11	23	44	108	214	537	537
15	12	23	44	109	214	537	537
16	12	23	44	109	214	537	537
17	13	23	45	109	214	538	538
18	15	24	45	110	215	538	538
19	15	24	46	110	216	539	539
20	16	25	47	111	216	540	540
21	16	26	48	112	217	541	541
22	17	27	48	113	218	541	541
23	17	27	49	113	219	542	542
24	19	28	49	114	219	542	542
25	19	28	50	114	219	543	543
26	20	29	50	114	220	543	543
27	20	29	51	115	220	543	543
28	21	29	51	115	220	544	544
29	22	30	51	115	221	544	544
30	23	30	51	116	221	544	544

2.22 New Zealand dollar

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	53	67	92	167	281	604	1268
2	54	68	93	168	282	605	1021
3	55	70	94	161	278	601	833
4	55	72	96	162	276	599	689
5	56	74	100	164	275	598	598
6	56	75	103	169	274	598	598
7	56	76	103	170	273	596	596
8	56	76	102	168	272	596	596
9	55	76	101	166	272	595	595
10	54	76	100	165	270	593	593
11	53	76	99	163	269	592	592
12	52	75	98	162	267	590	590
13	51	74	96	160	266	589	589
14	50	73	95	159	264	587	587
15	48	72	93	157	263	586	586
16	47	70	92	156	261	584	584
17	45	69	90	155	260	583	583
18	44	68	89	153	259	582	582
19	43	67	88	153	258	581	581
20	43	66	88	152	257	581	581
21	42	66	87	151	257	580	580
22	42	65	87	151	256	580	580
23	41	64	86	150	256	579	579
24	40	64	85	149	255	578	578
25	40	63	85	149	254	577	577
26	39	62	84	148	253	577	577
27	38	62	83	147	253	576	576
28	38	61	83	147	252	575	575
29	37	60	82	146	251	575	575
30	36	60	81	145	251	574	574

2.23 Rand

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	116	130	155	230	344	667	1379
2	117	131	156	231	345	668	1112
3	119	135	158	225	342	665	908
4	121	138	162	228	342	665	753
5	123	141	167	231	342	665	665
6	124	143	170	236	342	665	665
7	124	144	171	238	341	664	664
8	123	144	170	236	340	663	663
9	123	144	169	234	339	663	663
10	122	144	168	233	338	662	662
11	121	144	167	231	337	660	660
12	120	143	166	230	335	658	658
13	118	142	164	228	333	656	656
14	117	140	161	226	331	654	654
15	114	138	159	223	329	652	652
16	112	135	157	221	326	650	650
17	110	133	155	219	324	647	647
18	107	131	152	217	322	645	645
19	105	129	150	214	320	643	643
20	104	127	149	213	318	641	641
21	102	125	147	211	316	640	640
22	100	123	145	209	315	638	638
23	98	122	143	207	313	636	636
24	96	120	141	206	311	634	634
25	95	118	140	204	309	632	632
26	93	116	138	202	307	631	631
27	91	114	136	200	306	629	629
28	90	113	134	199	304	627	627
29	88	111	133	197	302	626	626
30	86	110	131	195	301	624	624

2.24 *Real*

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	171	185	210	285	399	722	1340
2	180	195	219	294	408	731	1087
3	186	201	225	292	409	732	892
4	188	205	229	295	409	732	742
5	189	207	234	298	408	732	732
6	189	208	236	302	407	730	730
7	189	209	236	303	406	729	729
8	188	208	234	300	404	728	728
9	186	208	233	297	403	726	726
10	185	207	232	296	401	725	725
11	184	207	230	294	399	723	723
12	182	205	227	291	397	720	720
13	179	203	224	289	394	717	717
14	176	200	221	286	391	714	714
15	173	197	218	282	388	711	711
16	170	193	215	279	385	708	708
17	167	190	212	276	381	705	705
18	164	187	209	273	378	702	702
19	161	184	206	270	375	699	699
20	158	181	203	267	372	696	696
21	155	178	200	264	369	692	692
22	152	175	197	261	366	689	689
23	148	172	193	258	363	686	686
24	145	169	190	254	360	683	683
25	142	166	187	251	357	680	680
26	139	162	184	248	354	677	677
27	136	160	181	245	351	674	674
28	133	157	178	242	348	671	671
29	131	154	176	240	345	668	668
30	128	151	173	237	342	666	666

2.25 Renminbi-yuan

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	30	44	69	144	257	581	1300
2	31	45	70	145	258	582	1048
3	32	47	71	138	255	578	856
4	33	49	73	140	253	576	709
5	34	51	78	142	253	576	596
6	34	53	80	146	252	575	575
7	34	54	81	148	251	574	574
8	33	54	80	145	250	573	573
9	32	54	79	144	249	572	572
10	32	54	78	143	248	571	571
11	32	55	78	142	247	571	571
12	32	55	77	141	247	570	570
13	32	55	77	141	246	569	569
14	31	55	76	140	246	569	569
15	31	54	76	140	245	569	569
16	31	54	76	140	245	568	568
17	31	54	76	140	245	568	568
18	31	54	76	140	245	568	568
19	31	54	76	140	245	569	569
20	31	54	76	140	245	569	569
21	31	54	76	140	245	569	569
22	31	54	76	140	245	569	569
23	31	54	76	140	245	568	568
24	30	54	75	140	245	568	568
25	30	53	75	139	245	568	568
26	30	53	75	139	244	568	568
27	30	53	75	139	244	567	567
28	29	53	74	138	244	567	567
29	29	52	74	138	244	567	567
30	29	52	74	138	243	566	566

2.26 Ringgit

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	27	41	66	141	254	578	1312
2	28	43	67	142	256	579	1057
3	31	46	70	137	254	577	862
4	33	50	74	140	254	577	714
5	35	53	80	144	255	578	600
6	37	56	83	149	255	578	578
7	38	58	86	152	255	578	578
8	38	59	85	151	255	578	578
9	39	60	85	150	255	578	578
10	40	62	86	150	256	579	579
11	40	63	86	150	256	579	579
12	41	64	86	151	256	579	579
13	41	64	86	151	256	579	579
14	41	65	86	150	256	579	579
15	41	64	86	150	256	579	579
16	41	64	86	150	255	578	578
17	41	64	86	150	255	578	578
18	41	64	86	150	255	578	578
19	41	64	86	150	255	578	578
20	41	64	86	150	256	579	579
21	41	64	86	150	256	579	579
22	41	64	86	150	256	579	579
23	41	64	86	150	255	579	579
24	41	64	85	150	255	578	578
25	40	63	85	149	255	578	578
26	40	63	85	149	254	577	577
27	39	62	84	148	254	577	577
28	39	62	84	148	253	576	576
29	38	61	83	147	253	576	576
30	38	61	83	147	252	575	575

2.27 Russian rouble

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	126	140	165	240	354	677	1387
2	125	139	164	239	353	676	1118
3	125	140	164	231	348	671	912
4	125	142	166	232	346	669	756
5	126	143	170	234	345	668	668
6	125	144	172	237	343	666	666
7	125	145	172	239	342	665	665
8	124	145	171	237	341	664	664
9	123	145	170	234	340	663	663
10	123	145	169	234	339	662	662
11	123	145	169	233	338	662	662
12	122	145	168	232	337	660	660
13	121	144	166	230	336	659	659
14	120	143	165	229	334	658	658
15	118	141	163	227	332	656	656
16	116	139	161	225	330	653	653
17	113	136	158	222	327	651	651
18	111	134	156	220	325	648	648
19	108	132	153	218	323	646	646
20	106	130	151	215	321	644	644
21	104	127	149	213	319	642	642
22	102	125	147	211	316	640	640
23	100	123	145	209	314	637	637
24	97	121	142	206	312	635	635
25	95	119	140	204	310	633	633
26	93	116	138	202	308	631	631
27	91	114	136	200	305	629	629
28	89	112	134	198	303	627	627
29	87	110	132	196	301	625	625
30	85	108	130	194	300	623	623

2.28 Singapore dollar

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	0	11	36	111	225	548	1280
2	1	13	38	113	227	550	1031
3	2	17	41	108	225	548	841
4	4	21	45	111	225	548	696
5	6	24	51	115	225	549	584
6	8	27	54	120	226	549	549
7	9	29	56	123	226	549	549
8	9	30	56	122	226	549	549
9	9	31	56	121	226	549	549
10	10	32	56	120	226	549	549
11	10	33	56	120	226	549	549
12	10	33	56	120	225	549	549
13	11	34	56	120	225	548	548
14	11	34	55	119	225	548	548
15	12	34	55	119	225	548	548
16	13	33	55	119	224	548	548
17	13	33	55	119	224	548	548
18	15	33	55	119	224	548	548
19	15	33	55	119	225	548	548
20	16	34	56	120	225	548	548
21	16	34	56	120	226	549	549
22	17	35	56	120	226	549	549
23	18	35	57	121	226	549	549
24	19	35	57	121	226	550	550
25	19	35	57	121	227	550	550
26	20	36	57	121	227	550	550
27	20	36	57	121	227	550	550
28	21	36	57	122	227	550	550
29	22	36	57	122	227	550	550
30	23	36	58	122	227	550	550

2.29 South Korean won

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	36	50	74	150	263	586	1276
2	36	50	75	150	264	587	1026
3	36	51	75	142	259	582	837
4	36	53	77	143	257	580	692
5	36	54	81	145	255	579	581
6	39	58	85	151	257	580	580
7	36	56	83	150	253	576	576
8	40	61	87	152	257	580	580
9	39	60	86	150	256	579	579
10	34	56	80	144	250	573	573
11	30	52	76	140	245	569	569
12	27	50	72	136	242	565	565
13	25	48	70	134	239	563	563
14	23	46	68	132	237	561	561
15	21	45	66	131	236	559	559
16	20	43	65	129	234	558	558
17	19	42	64	128	234	557	557
18	18	42	63	127	233	556	556
19	18	41	63	127	232	556	556
20	18	41	63	127	233	556	556
21	18	41	63	127	233	556	556
22	18	41	63	127	233	556	556
23	18	41	63	127	232	556	556
24	19	41	63	127	232	556	556
25	19	41	63	127	232	556	556
26	20	41	63	127	232	555	555
27	20	41	62	127	232	555	555
28	21	41	62	126	232	555	555
29	22	41	62	126	232	555	555
30	23	41	62	126	232	555	555

2.30 Turkish lira

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	200	214	239	314	428	751	1533
2	196	210	235	310	424	747	1237
3	192	207	231	298	415	738	1007
4	188	205	229	295	409	732	833
5	184	202	229	293	403	727	727
6	181	199	227	293	398	722	722
7	177	197	224	291	394	717	717
8	173	193	219	285	389	713	713
9	168	190	215	280	385	708	708
10	165	187	211	275	381	704	704
11	161	184	207	271	376	700	700
12	157	180	203	267	372	696	696
13	154	177	199	263	368	692	692
14	150	173	195	259	365	688	688
15	146	170	191	256	361	684	684
16	143	166	188	252	358	681	681
17	140	163	185	249	354	678	678
18	137	160	182	246	351	675	675
19	134	157	179	243	348	672	672
20	131	154	176	240	346	669	669
21	128	152	173	238	343	666	666
22	126	149	171	235	340	664	664
23	123	146	168	232	338	661	661
24	121	144	166	230	335	658	658
25	118	141	163	227	333	656	656
26	116	139	161	225	330	653	653
27	113	137	158	222	328	651	651
28	111	134	156	220	325	649	649
29	109	132	154	218	323	647	647
30	107	130	152	216	321	644	644

2.31 US dollar

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	8	26	50	106	242	566	1284
2	8	26	50	106	242	566	1032
3	10	29	52	101	241	564	841
4	12	34	56	99	241	564	696
5	16	40	61	102	242	565	584
6	18	43	65	98	242	566	566
7	19	45	64	92	243	566	566
8	17	44	63	91	243	566	566
9	18	45	66	95	243	566	566
10	20	48	68	98	243	566	566
11	21	50	70	101	243	566	566
12	23	53	71	102	243	566	566
13	24	54	71	103	243	566	566
14	24	55	72	103	243	566	566
15	25	55	72	103	243	566	566
16	25	55	72	103	242	566	566
17	25	55	72	103	242	566	566
18	25	55	72	103	242	566	566
19	25	55	72	103	243	566	566
20	25	55	72	103	243	566	566
21	25	55	72	103	243	566	566
22	25	55	72	103	243	567	567
23	25	55	72	103	243	567	567
24	25	55	72	103	243	567	567
25	25	55	72	103	243	566	566
26	25	55	72	103	243	566	566
27	25	55	72	103	243	566	566
28	25	55	72	103	243	566	566
29	25	55	72	103	243	566	566
30	25	55	72	103	242	566	566

2.32 Yen

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	0	3	14	89	203	526	1247
2	1	5	12	88	201	524	1004
3	2	5	12	79	196	519	818
4	3	6	14	80	194	517	677
5	4	6	18	83	193	516	569
6	5	8	21	87	193	516	516
7	5	9	23	89	192	515	515
8	7	9	22	88	192	515	515
9	7	10	22	87	192	515	515
10	8	11	22	87	192	516	516
11	8	12	23	87	192	516	516
12	9	12	24	87	193	516	516
13	11	13	25	87	193	516	516
14	11	14	26	88	193	516	516
15	12	15	28	88	193	517	517
16	12	15	29	88	194	517	517
17	13	16	30	88	194	517	517
18	13	17	32	89	194	518	518
19	15	18	33	89	195	518	518
20	16	18	34	90	196	519	519
21	16	19	35	91	196	519	519
22	17	20	37	91	197	520	520
23	17	21	38	91	197	520	520
24	19	21	39	92	197	520	520
25	19	22	40	92	197	521	521
26	20	24	41	92	197	521	521
27	20	24	42	92	197	521	521
28	21	25	44	92	197	521	521
29	21	25	46	92	197	521	521
30	22	26	47	92	198	521	521

3. Other exposures

3.1 Euro

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	1	15	21	43	164	297	3040
2	1	15	21	43	164	334	2254
3	1	15	23	48	158	347	1696
4	1	16	26	52	156	346	1308
5	2	18	30	54	156	337	1035
6	3	21	32	57	156	324	839
7	5	23	34	60	156	308	694
8	5	24	35	62	156	292	583
9	5	25	37	65	156	275	497
10	6	26	39	67	156	258	428
11	6	26	39	68	156	250	371
12	6	26	39	68	156	250	325
13	6	26	39	68	156	250	287
14	6	26	39	68	156	250	254
15	6	26	39	68	156	250	250
16	6	26	42	68	156	250	250
17	6	26	44	68	156	250	250
18	6	26	46	68	156	250	250
19	7	26	49	68	156	250	250
20	7	26	51	68	156	250	250
21	7	26	53	68	156	250	250
22	8	26	56	68	156	250	250
23	8	26	58	68	156	250	250
24	8	26	61	68	156	250	250
25	9	26	63	68	156	250	250
26	9	26	66	68	156	250	250
27	9	26	68	70	156	250	250
28	10	26	71	72	156	250	250
29	10	26	73	73	156	250	250
30	11	26	75	75	156	250	250

3.2 Czech koruna

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	8	21	27	50	170	309	3173
2	10	23	30	52	172	348	2353
3	9	24	32	57	167	360	1768
4	9	25	35	61	164	359	1361
5	10	26	38	62	164	349	1075
6	11	28	40	65	163	334	870
7	12	30	41	66	163	318	718
8	11	30	42	68	162	300	602
9	11	31	43	71	162	283	512
10	11	31	44	73	161	265	441
11	11	31	44	73	161	254	382
12	10	30	43	72	160	254	334
13	9	30	43	72	159	253	294
14	9	29	42	71	159	253	261
15	8	29	42	71	158	252	252
16	8	28	42	70	158	251	251
17	8	28	45	70	158	251	251
18	7	28	48	70	158	251	251
19	8	28	50	70	158	251	251
20	8	28	52	70	158	252	252
21	8	29	55	71	158	252	252
22	8	29	57	71	159	252	252
23	9	29	60	71	159	252	252
24	9	29	62	71	159	252	252
25	9	29	65	71	159	252	252
26	9	29	67	71	159	252	252
27	9	29	70	72	159	252	252
28	10	29	72	73	159	252	252
29	10	29	74	75	159	252	252
30	11	29	77	77	159	252	252

3.3 Danish krone

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	1	14	21	43	164	297	3040
2	1	14	21	43	164	334	2254
3	1	15	23	48	158	347	1696
4	1	16	26	52	156	346	1308
5	1	18	30	54	156	337	1035
6	3	20	32	57	156	323	839
7	5	23	34	59	156	308	694
8	5	24	35	62	156	291	583
9	5	25	37	65	156	275	497
10	5	26	38	67	156	258	428
11	6	26	39	68	156	249	371
12	6	26	39	68	156	249	325
13	6	26	39	68	156	249	287
14	6	26	39	68	156	249	254
15	6	26	39	68	156	249	249
16	6	26	42	68	156	249	249
17	6	26	44	68	156	249	249
18	6	26	46	68	156	249	249
19	7	26	49	68	156	249	249
20	7	26	51	68	156	249	249
21	7	26	53	68	156	249	249
22	8	26	56	68	156	249	249
23	8	26	58	68	156	249	249
24	8	26	61	68	156	249	249
25	9	26	63	68	156	249	249
26	9	26	66	68	156	249	249
27	9	26	68	70	156	249	249
28	10	26	71	72	156	249	249
29	10	26	73	73	156	249	249
30	11	26	75	75	156	249	249

3.4 Forint

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	76	90	96	118	239	335	3068
2	72	86	92	115	235	338	2281
3	75	89	97	122	232	352	1719
4	72	87	98	124	227	352	1331
5	71	87	99	123	225	344	1056
6	70	88	100	125	223	331	858
7	70	89	99	125	221	316	711
8	69	88	99	126	220	314	598
9	68	88	100	128	219	312	510
10	65	85	98	126	215	309	439
11	62	83	96	125	212	306	382
12	61	81	94	123	211	305	334
13	60	80	93	123	210	304	304
14	60	80	93	122	210	303	303
15	59	80	93	122	209	303	303
16	59	79	92	121	209	302	302
17	58	78	91	121	208	302	302
18	57	78	91	120	208	301	301
19	57	77	90	119	207	300	300
20	56	76	89	119	206	300	300
21	55	76	89	118	206	299	299
22	55	75	88	117	205	298	298
23	54	74	87	116	204	297	297
24	53	73	86	115	203	296	296
25	52	72	85	114	202	295	295
26	51	71	84	113	201	294	294
27	49	70	83	112	200	293	293
28	48	69	82	111	199	292	292
29	47	68	81	110	197	291	291
30	46	67	80	109	196	290	290

3.5 Krona

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	5	18	25	47	167	298	3058
2	7	20	26	49	169	336	2268
3	7	21	30	55	165	349	1706
4	8	23	33	59	163	348	1316
5	9	25	37	61	163	339	1042
6	10	28	39	64	163	325	844
7	12	30	41	66	163	310	698
8	11	30	42	69	162	293	587
9	11	31	43	71	162	277	500
10	11	31	44	73	161	260	430
11	11	31	44	73	161	255	374
12	11	31	44	73	161	254	328
13	10	31	44	73	161	254	290
14	10	31	43	73	160	254	257
15	10	30	43	73	160	254	254
16	10	30	43	72	160	253	253
17	10	30	45	72	160	253	253
18	10	30	48	72	160	253	253
19	10	30	49	72	160	254	254
20	10	31	52	73	160	254	254
21	11	31	55	73	161	254	254
22	11	31	57	73	161	255	255
23	11	31	60	73	161	255	255
24	11	31	62	74	161	255	255
25	11	31	64	74	161	255	255
26	11	31	66	74	161	255	255
27	11	31	69	73	161	255	255
28	11	31	72	73	161	255	255
29	11	31	75	75	161	255	255
30	11	31	77	77	161	255	255

3.6 Kuna

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	45	58	65	87	208	303	3064
2	49	62	68	91	211	337	2274
3	52	67	75	100	210	350	1711
4	55	70	80	106	210	349	1320
5	56	73	85	109	211	340	1045
6	58	75	87	112	211	327	848
7	59	78	88	114	210	311	701
8	58	77	89	115	209	303	589
9	57	77	89	117	208	301	502
10	56	76	89	118	206	300	432
11	55	75	88	117	205	298	376
12	53	74	86	116	203	297	329
13	52	72	85	114	202	295	295
14	50	71	84	113	201	294	294
15	49	70	83	112	199	293	293
16	48	69	82	111	198	292	292
17	47	68	81	110	198	291	291
18	47	67	80	109	197	290	290
19	46	66	79	109	196	290	290
20	45	66	79	108	196	289	289
21	45	65	78	107	195	289	289
22	44	64	77	107	194	288	288
23	43	64	77	106	193	287	287
24	42	63	76	105	193	286	286
25	42	62	75	104	192	285	285
26	41	61	74	103	191	284	284
27	40	60	73	102	190	284	284
28	39	59	72	102	189	283	283
29	38	59	74	101	188	282	282
30	37	58	77	100	188	281	281

3.7 Lev

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	0	14	20	42	163	297	3038
2	0	14	20	42	163	334	2252
3	1	14	23	47	158	347	1694
4	1	15	26	51	155	346	1307
5	1	17	29	53	155	337	1035
6	2	20	31	56	155	323	839
7	4	22	33	59	155	308	693
8	4	23	35	61	155	291	583
9	4	24	36	64	155	275	496
10	5	25	38	66	155	258	427
11	5	25	38	67	155	249	371
12	5	25	38	67	155	249	325
13	5	25	38	67	155	249	286
14	5	25	38	67	155	249	254
15	5	25	39	67	155	249	249
16	5	25	42	67	155	249	249
17	6	25	44	67	155	249	249
18	6	25	46	67	155	249	249
19	7	25	49	67	155	249	249
20	7	25	51	67	155	249	249
21	7	25	53	67	155	249	249
22	8	25	56	67	155	249	249
23	8	25	58	67	155	249	249
24	8	25	61	67	155	249	249
25	9	25	63	67	155	249	249
26	9	25	66	68	155	249	249
27	9	25	68	70	155	249	249
28	10	25	71	72	155	249	249
29	10	25	73	73	155	249	249
30	11	25	75	75	155	249	249

3.8 *Pound sterling*

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	0	11	22	45	182	302	3099
2	0	11	22	45	182	340	2297
3	1	11	24	50	176	353	1728
4	1	13	26	56	173	352	1332
5	1	16	28	59	172	342	1054
6	2	18	33	60	171	329	854
7	2	21	36	60	170	313	705
8	4	24	37	60	169	296	592
9	7	31	42	59	168	279	504
10	10	34	42	57	167	262	434
11	9	33	41	56	166	259	377
12	8	32	41	56	165	259	330
13	7	31	41	57	164	258	290
14	6	31	42	57	164	257	257
15	7	31	42	57	163	256	256
16	7	31	42	57	161	255	255
17	7	31	45	57	160	254	254
18	7	31	46	57	160	253	253
19	7	31	49	57	160	253	253
20	7	31	52	57	160	254	254
21	7	31	54	58	160	254	254
22	8	31	56	61	160	254	254
23	8	31	58	62	160	253	253
24	8	31	61	64	159	253	253
25	9	31	63	66	159	252	252
26	9	31	66	68	158	252	252
27	9	31	68	70	158	251	251
28	10	31	71	72	157	251	251
29	10	31	73	73	157	250	250
30	11	31	75	75	156	250	250

3.9 Romanian leu

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	81	94	101	123	244	339	3226
2	79	92	99	121	242	354	2399
3	77	91	99	124	234	368	1809
4	75	90	100	126	230	368	1397
5	73	89	101	125	227	359	1107
6	72	90	101	126	225	345	898
7	71	90	101	126	222	329	742
8	69	88	99	126	220	313	624
9	67	87	99	127	218	311	531
10	65	86	99	127	216	309	457
11	64	84	97	126	214	308	397
12	62	83	96	125	213	306	348
13	61	81	94	123	211	305	306
14	59	80	93	122	209	303	303
15	58	78	91	121	208	302	302
16	57	77	90	119	207	301	301
17	56	76	89	118	206	299	299
18	55	75	88	117	205	298	298
19	54	74	87	116	204	298	298
20	53	73	86	116	203	297	297
21	52	72	85	115	202	296	296
22	51	72	84	114	201	295	295
23	50	71	83	113	200	294	294
24	49	69	82	112	199	293	293
25	48	68	81	111	198	292	292
26	47	67	80	110	197	291	291
27	46	66	79	109	196	290	290
28	45	65	78	108	195	289	289
29	44	64	77	107	194	288	288
30	43	63	80	106	193	287	287

3.10 Zloty

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	54	68	74	96	217	313	3123
2	53	66	73	95	216	344	2325
3	51	66	74	99	209	358	1752
4	50	66	76	102	206	357	1353
5	49	66	78	102	204	348	1071
6	49	67	78	103	202	335	869
7	49	68	79	104	200	319	718
8	48	67	78	105	199	302	603
9	46	66	78	106	197	291	514
10	46	66	79	107	196	289	442
11	45	65	78	107	195	288	384
12	44	64	77	106	194	288	336
13	43	63	76	106	193	287	296
14	42	63	76	105	193	286	286
15	42	62	75	104	192	286	286
16	41	61	74	103	191	285	285
17	40	61	73	103	190	284	284
18	40	60	73	102	190	283	283
19	39	59	72	102	189	283	283
20	39	59	72	101	189	283	283
21	39	59	72	101	189	282	282
22	38	58	71	101	188	282	282
23	38	58	71	100	188	281	281
24	37	57	70	100	187	281	281
25	36	57	70	99	186	280	280
26	36	56	69	98	186	279	279
27	35	55	70	97	185	279	279
28	34	55	72	97	184	278	278
29	34	54	75	96	184	277	277
30	33	53	78	95	183	277	277

3.11 Norwegian krone

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	26	40	46	68	189	307	3156
2	27	40	47	69	190	346	2343
3	25	40	48	73	183	359	1762
4	24	40	50	76	180	358	1358
5	25	41	53	77	179	348	1074
6	25	43	54	79	178	334	870
7	26	45	55	81	177	318	718
8	25	44	56	82	176	301	603
9	25	45	57	85	175	284	513
10	24	45	57	86	175	268	442
11	24	44	57	86	174	268	384
12	23	43	56	86	173	267	336
13	22	43	56	85	172	266	296
14	22	42	55	84	172	265	265
15	21	41	54	84	171	265	265
16	20	40	53	83	170	264	264
17	20	40	53	82	170	263	263
18	19	40	53	82	169	263	263
19	19	39	52	82	169	263	263
20	19	39	53	82	169	263	263
21	19	39	55	82	169	263	263
22	19	39	57	82	169	263	263
23	19	39	60	81	169	263	263
24	19	39	62	81	169	262	262
25	18	39	65	81	169	262	262
26	18	39	67	81	168	262	262
27	18	38	70	80	168	262	262
28	18	38	72	80	168	261	261
29	17	38	75	80	168	261	261
30	17	37	77	80	167	261	261

3.12 *Swiss franc*

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	0	0	3	24	144	295	3023
2	0	1	6	25	145	333	2241
3	1	1	9	30	140	345	1687
4	1	3	11	34	137	344	1301
5	1	4	14	36	137	335	1030
6	2	4	16	39	137	322	835
7	2	6	19	41	137	307	691
8	2	6	22	43	137	290	580
9	2	7	24	46	137	274	494
10	4	8	27	49	137	257	426
11	4	8	29	50	138	242	370
12	4	10	32	49	137	231	324
13	4	10	35	50	138	232	285
14	4	11	36	50	138	231	253
15	5	12	39	49	137	230	230
16	5	12	42	48	136	229	229
17	6	14	43	49	135	229	229
18	6	14	46	52	136	229	229
19	7	15	49	53	136	230	230
20	7	17	50	56	137	230	230
21	7	17	53	58	137	231	231
22	8	18	56	59	137	231	231
23	8	18	58	61	137	231	231
24	8	20	60	63	137	230	230
25	9	20	62	65	137	230	230
26	9	21	65	67	137	230	230
27	9	22	67	69	137	230	230
28	10	23	69	71	136	230	230
29	10	23	72	73	136	230	230
30	10	25	74	75	136	230	230

3.13 *Australian dollar*

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	42	56	62	84	205	302	3102
2	42	56	62	84	205	340	2300
3	41	55	64	89	199	354	1731
4	40	55	66	92	195	352	1335
5	40	56	68	93	194	343	1056
6	40	58	70	95	193	330	856
7	41	60	70	96	192	314	708
8	40	59	71	97	191	297	595
9	39	59	71	99	190	284	506
10	39	59	72	101	189	283	436
11	38	59	71	101	188	282	379
12	37	58	71	100	187	281	332
13	37	57	70	99	187	280	292
14	36	56	69	99	186	280	280
15	35	56	69	98	185	279	279
16	34	55	68	97	185	278	278
17	34	54	67	96	184	278	278
18	33	54	67	96	183	277	277
19	33	53	66	95	183	277	277
20	33	53	66	95	183	276	276
21	32	53	66	95	183	276	276
22	32	52	65	95	182	276	276
23	32	52	65	94	182	275	275
24	31	51	64	94	181	275	275
25	30	51	64	93	181	274	274
26	30	50	66	92	180	274	274
27	29	49	69	92	179	273	273
28	28	49	71	91	179	272	272
29	28	48	73	90	178	272	272
30	27	47	76	90	177	271	271

3.14 Baht

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	12	25	31	54	174	305	3129
2	16	29	35	58	178	343	2320
3	18	32	41	66	176	356	1746
4	21	36	46	72	176	355	1347
5	23	39	51	75	177	346	1066
6	22	40	51	76	175	332	864
7	27	46	57	82	178	316	714
8	26	45	57	83	177	299	600
9	27	47	59	87	178	282	510
10	29	49	62	91	179	273	439
11	30	50	63	92	180	274	381
12	31	51	64	93	181	275	334
13	31	52	64	94	181	275	294
14	31	52	65	94	182	275	275
15	32	52	65	94	182	275	275
16	31	51	64	94	181	275	275
17	31	51	64	94	181	275	275
18	30	51	64	93	180	274	274
19	30	50	63	93	180	274	274
20	30	50	63	93	180	274	274
21	30	50	63	92	180	274	274
22	30	50	63	92	180	273	273
23	29	50	63	92	179	273	273
24	29	49	62	91	179	273	273
25	28	49	65	91	179	272	272
26	28	48	67	91	178	272	272
27	27	48	70	90	178	271	271
28	27	47	72	89	177	271	271
29	26	47	75	89	177	270	270
30	26	46	77	88	176	270	270

3.15 *Canadian dollar*

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	11	24	31	53	174	307	3160
2	12	25	32	54	175	346	2342
3	13	27	35	60	170	359	1761
4	13	28	39	64	168	358	1357
5	14	30	42	66	168	348	1073
6	15	33	44	70	168	334	869
7	17	35	46	72	168	318	718
8	17	36	47	74	168	301	603
9	17	37	49	77	168	283	513
10	18	38	51	79	168	266	442
11	18	38	51	80	168	262	383
12	18	39	51	81	168	262	336
13	18	39	52	81	168	262	296
14	18	39	52	81	169	262	262
15	18	39	52	81	169	262	262
16	18	38	51	81	168	262	262
17	18	39	51	81	168	262	262
18	18	38	51	81	168	262	262
19	18	38	51	81	168	262	262
20	18	39	52	81	168	262	262
21	18	39	55	81	168	262	262
22	18	38	57	80	168	262	262
23	18	38	60	80	168	261	261
24	17	38	62	80	167	261	261
25	17	37	65	79	167	261	261
26	16	37	67	79	166	260	260
27	16	36	70	78	166	260	260
28	16	36	72	78	166	259	259
29	15	36	74	78	165	259	259
30	15	35	77	77	165	259	259

3.16 *Chilean peso*

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	46	59	66	88	208	306	3141
2	49	62	68	91	211	345	2332
3	51	65	74	98	209	359	1758
4	52	67	78	103	207	358	1358
5	53	70	81	106	207	349	1076
6	55	73	84	109	208	336	873
7	56	75	86	111	208	320	722
8	56	75	87	113	207	303	607
9	56	76	88	116	207	300	517
10	56	77	89	118	207	300	445
11	56	76	89	118	206	300	387
12	55	76	89	118	206	299	339
13	55	75	88	117	205	298	299
14	54	74	87	116	204	297	297
15	53	73	86	115	203	297	297
16	52	72	85	115	202	296	296
17	51	72	85	114	201	295	295
18	51	71	84	113	201	294	294
19	50	70	83	112	200	294	294
20	49	70	82	112	199	293	293
21	48	69	82	111	199	292	292
22	48	68	81	110	198	291	291
23	47	67	80	109	197	291	291
24	46	66	79	108	196	290	290
25	45	65	78	107	195	289	289
26	44	64	77	107	194	288	288
27	43	63	76	106	193	287	287
28	42	63	75	105	192	286	286
29	41	62	76	104	191	285	285
30	40	61	78	103	191	284	284

3.17 Colombian peso

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	77	90	97	119	239	335	3274
2	81	94	101	123	244	360	2441
3	81	95	104	129	239	374	1841
4	80	96	106	132	236	374	1422
5	83	99	111	135	237	365	1127
6	85	103	114	139	238	351	915
7	87	106	116	142	238	335	757
8	88	107	119	145	239	333	637
9	89	109	121	149	240	333	543
10	89	110	122	151	240	333	468
11	89	109	122	151	239	333	406
12	88	108	121	151	238	332	356
13	87	107	120	149	237	331	331
14	85	106	119	148	235	329	329
15	84	104	117	146	234	328	328
16	83	103	116	145	233	326	326
17	81	101	114	144	231	325	325
18	80	100	113	142	230	323	323
19	78	99	112	141	229	322	322
20	77	97	110	140	227	321	321
21	76	96	109	138	226	319	319
22	74	94	107	137	224	318	318
23	73	93	106	135	223	316	316
24	71	91	104	134	221	315	315
25	69	90	103	132	220	313	313
26	68	88	101	130	218	312	312
27	66	87	99	129	216	310	310
28	65	85	98	127	215	308	308
29	63	84	96	126	213	307	307
30	62	82	95	124	212	305	305

3.18 Hong Kong dollar

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	4	18	24	46	167	308	3165
2	8	21	27	50	170	346	2343
3	9	24	32	57	167	359	1761
4	11	26	37	63	166	357	1357
5	13	29	41	66	167	348	1073
6	15	33	44	69	168	334	869
7	17	36	46	72	168	318	718
8	17	36	48	74	168	301	603
9	17	37	49	77	168	283	513
10	18	38	51	80	168	266	442
11	18	38	51	80	168	262	383
12	18	38	51	80	168	261	335
13	17	37	50	80	167	261	295
14	16	37	50	79	166	260	261
15	16	36	49	78	166	259	259
16	15	35	48	77	165	259	259
17	14	35	48	77	165	258	258
18	14	34	48	77	164	258	258
19	14	34	50	76	164	258	258
20	14	34	52	77	164	258	258
21	14	34	55	77	164	258	258
22	14	34	57	77	164	258	258
23	14	34	60	77	164	258	258
24	14	34	62	76	164	258	258
25	14	34	65	76	164	258	258
26	14	34	67	76	164	257	257
27	13	34	70	76	164	257	257
28	13	34	72	76	163	257	257
29	13	33	75	76	163	257	257
30	13	33	77	77	163	257	257

3.19 *Indian rupee*

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	90	103	110	132	253	348	3350
2	90	104	110	133	253	367	2496
3	90	104	112	137	247	382	1884
4	89	105	115	141	245	382	1456
5	90	106	118	142	244	373	1154
6	91	108	120	145	243	359	936
7	92	110	121	146	243	342	774
8	91	111	122	149	243	336	651
9	91	111	123	151	242	335	554
10	90	110	123	151	240	334	477
11	88	108	121	150	238	332	414
12	86	107	120	149	236	330	362
13	84	105	118	147	234	328	328
14	82	103	116	145	233	326	326
15	81	101	114	143	231	324	324
16	79	99	112	141	229	322	322
17	77	97	110	140	227	321	321
18	75	96	109	138	226	319	319
19	74	94	107	137	224	318	318
20	73	93	106	136	223	317	317
21	72	92	105	134	222	316	316
22	71	91	104	133	221	315	315
23	70	90	103	132	220	313	313
24	68	89	102	131	219	312	312
25	67	88	100	130	217	311	311
26	66	86	99	129	216	310	310
27	65	85	98	127	215	309	309
28	64	84	97	126	214	308	308
29	63	83	96	125	213	306	306
30	62	82	95	124	212	305	305

3.20 Mexican peso

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	332	345	351	374	494	590	3428
2	77	91	97	119	240	371	2534
3	79	94	102	127	237	385	1904
4	81	97	107	133	237	384	1468
5	83	100	112	136	238	374	1161
6	86	103	115	140	238	359	940
7	87	106	117	142	239	342	777
8	88	107	119	146	239	333	653
9	89	109	121	149	240	333	556
10	89	109	122	151	239	333	478
11	89	109	122	151	239	333	415
12	89	109	122	152	239	333	363
13	89	110	123	152	240	333	333
14	90	110	123	152	240	334	334
15	91	111	124	153	241	334	334
16	92	112	125	154	242	335	335
17	93	113	126	155	243	336	336
18	94	114	127	156	244	337	337
19	94	115	128	157	245	338	338
20	95	115	128	158	245	339	339
21	95	115	128	158	245	339	339
22	95	115	128	157	245	339	339
23	94	115	128	157	244	338	338
24	93	114	127	156	244	337	337
25	92	113	126	155	243	336	336
26	91	112	124	154	241	335	335
27	90	110	123	152	240	334	334
28	89	109	122	151	239	332	332
29	87	108	120	150	237	331	331
30	86	106	119	148	236	330	330

3.21 *New Taiwan dollar*

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	0	5	12	34	155	301	3090
2	0	5	12	34	155	340	2292
3	1	5	14	39	149	353	1725
4	1	6	16	42	145	351	1331
5	1	7	19	43	145	342	1054
6	2	8	20	45	144	329	854
7	2	11	21	47	143	313	705
8	2	10	22	49	142	296	593
9	2	10	25	50	141	279	504
10	4	11	27	52	141	262	434
11	4	11	30	53	141	246	377
12	4	11	32	53	141	234	330
13	4	11	35	53	141	234	291
14	4	12	38	53	141	234	258
15	5	12	39	53	141	235	235
16	5	13	42	53	141	235	235
17	6	14	45	54	142	235	235
18	6	15	47	54	142	236	236
19	7	15	49	55	143	236	236
20	7	17	52	56	143	237	237
21	7	17	54	59	144	238	238
22	8	18	57	61	145	239	239
23	8	19	60	63	146	239	239
24	8	20	61	65	146	240	240
25	9	20	64	66	146	240	240
26	9	22	66	68	147	240	240
27	9	22	69	71	147	241	241
28	10	23	72	73	148	241	241
29	10	24	74	75	148	241	241
30	11	25	77	77	148	242	242

3.22 New Zealand dollar

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	48	61	68	90	211	306	3113
2	49	62	69	91	212	342	2308
3	48	62	71	96	206	355	1736
4	48	63	73	99	203	353	1339
5	48	64	76	100	202	344	1060
6	49	66	78	103	201	330	859
7	49	67	78	103	200	315	710
8	48	67	79	106	199	298	597
9	48	68	80	108	199	292	508
10	47	67	80	109	197	291	437
11	46	66	79	108	196	289	380
12	44	64	77	107	194	288	333
13	42	63	76	105	193	286	293
14	41	61	74	104	191	285	285
15	40	60	73	102	190	283	283
16	38	58	71	101	188	282	282
17	37	57	70	99	187	281	281
18	36	56	69	98	186	280	280
19	35	55	68	97	185	279	279
20	34	55	68	97	184	278	278
21	34	54	67	96	184	278	278
22	33	54	66	96	183	277	277
23	32	53	66	95	183	276	276
24	32	52	65	94	182	276	276
25	31	51	65	94	181	275	275
26	30	51	67	93	180	274	274
27	30	50	70	92	180	273	273
28	29	49	72	92	179	273	273
29	28	49	74	91	178	272	272
30	28	48	77	90	178	271	271

3.23 Rand

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	111	124	131	153	274	369	3400
2	112	126	132	154	275	371	2527
3	113	127	136	160	271	386	1905
4	114	129	139	165	269	385	1471
5	115	131	143	167	269	376	1165
6	116	133	145	170	269	362	945
7	117	135	146	172	268	362	782
8	116	135	147	173	267	361	657
9	116	135	147	176	266	360	560
10	115	135	148	177	265	359	483
11	114	134	147	176	264	358	419
12	112	132	145	175	262	356	367
13	110	130	143	173	260	354	354
14	108	128	141	170	258	352	352
15	106	126	139	168	256	349	349
16	103	124	136	166	253	347	347
17	101	121	134	164	251	345	345
18	99	119	132	161	249	343	343
19	97	117	130	159	247	341	341
20	95	115	128	158	245	339	339
21	93	114	127	156	244	337	337
22	92	112	125	154	242	335	335
23	90	110	123	152	240	333	333
24	88	108	121	150	238	332	332
25	86	106	119	149	236	330	330
26	84	105	118	147	234	328	328
27	83	103	116	145	233	326	326
28	81	101	114	143	231	325	325
29	79	100	113	142	229	323	323
30	78	98	111	140	228	322	322

3.24 *Real*

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	166	180	186	208	329	425	3298
2	176	189	195	218	338	434	2467
3	179	194	202	227	337	433	1868
4	181	196	206	232	336	430	1447
5	181	198	210	234	336	429	1148
6	181	199	211	236	334	428	931
7	182	200	211	236	333	426	770
8	180	199	211	238	331	425	648
9	179	199	211	239	330	423	552
10	178	198	211	240	328	422	475
11	176	197	210	239	326	420	420
12	174	194	207	236	324	418	418
13	171	191	204	233	321	415	415
14	168	188	201	230	318	412	412
15	165	185	198	227	315	408	408
16	162	182	195	224	312	405	405
17	158	179	192	221	309	402	402
18	155	176	189	218	305	399	399
19	152	173	185	215	302	396	396
20	149	170	182	212	299	393	393
21	146	166	179	209	296	390	390
22	143	163	176	206	293	387	387
23	140	160	173	202	290	384	384
24	137	157	170	199	287	380	380
25	134	154	167	196	284	377	377
26	131	151	164	193	281	374	374
27	128	148	161	190	278	371	371
28	125	145	158	187	275	369	369
29	122	142	155	185	272	366	366
30	119	140	153	182	269	363	363

3.25 Renminbi-yuan

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	25	38	45	67	188	311	3195
2	26	39	46	68	188	350	2372
3	25	40	48	73	183	364	1787
4	25	40	51	76	180	363	1379
5	25	42	54	78	180	354	1092
6	26	44	55	80	179	340	885
7	27	45	56	82	178	324	732
8	26	45	56	83	177	307	615
9	25	45	57	85	176	289	524
10	25	45	58	87	175	272	451
11	24	45	58	87	175	268	391
12	24	44	57	86	174	267	343
13	23	43	56	86	173	267	302
14	23	43	56	85	173	266	267
15	22	43	56	85	172	266	266
16	22	42	55	85	172	266	266
17	22	42	55	85	172	266	266
18	22	42	55	85	172	266	266
19	22	42	55	85	172	266	266
20	22	43	56	85	172	266	266
21	22	43	56	85	172	266	266
22	22	43	59	85	172	266	266
23	22	42	61	85	172	266	266
24	22	42	64	84	172	266	266
25	22	42	66	84	172	265	265
26	21	42	69	84	171	265	265
27	21	41	71	84	171	265	265
28	21	41	74	83	171	264	264
29	20	41	76	83	171	264	264
30	20	40	78	83	170	264	264

3.26 Ringgit

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	22	35	42	64	184	313	3226
2	24	37	43	66	186	353	2395
3	25	39	47	72	182	367	1803
4	26	41	51	77	181	366	1390
5	27	44	56	80	182	356	1100
6	29	46	58	83	182	342	891
7	31	50	60	86	182	326	736
8	31	50	62	88	182	308	618
9	32	51	63	91	182	290	526
10	32	52	65	94	183	276	453
11	33	53	66	95	183	277	393
12	33	53	66	95	183	277	344
13	33	53	66	95	183	277	303
14	33	53	66	95	183	276	276
15	32	53	66	95	183	276	276
16	32	52	65	95	182	276	276
17	32	52	65	95	182	276	276
18	32	52	65	95	182	276	276
19	32	52	65	95	182	276	276
20	32	53	66	95	183	276	276
21	33	53	66	95	183	276	276
22	32	53	66	95	183	276	276
23	32	53	66	95	182	276	276
24	32	52	65	94	182	276	276
25	32	52	66	94	182	275	275
26	31	51	69	94	181	275	275
27	31	51	71	93	181	274	274
28	30	50	74	93	180	274	274
29	30	50	76	92	180	273	273
30	29	49	78	92	179	273	273

3.27 Russian rouble

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	121	135	141	164	284	380	3422
2	120	133	140	162	283	378	2542
3	118	133	141	166	276	387	1915
4	117	133	143	169	273	386	1477
5	117	134	146	170	272	377	1168
6	117	135	146	172	270	364	946
7	118	136	147	173	269	363	782
8	117	136	148	174	268	362	657
9	116	136	148	176	267	360	559
10	116	136	149	178	266	360	481
11	115	136	149	178	265	359	418
12	114	134	147	177	264	358	365
13	113	133	146	175	263	357	357
14	111	132	145	174	262	355	355
15	109	130	142	172	259	353	353
16	107	127	140	170	257	351	351
17	104	125	138	167	254	348	348
18	102	122	135	165	252	346	346
19	100	120	133	162	250	344	344
20	98	118	131	160	248	342	342
21	95	116	129	158	246	339	339
22	93	114	126	156	243	337	337
23	91	111	124	154	241	335	335
24	89	109	122	151	239	333	333
25	87	107	120	149	237	330	330
26	84	105	118	147	235	328	328
27	82	103	116	145	233	326	326
28	80	101	114	143	230	324	324
29	78	99	112	141	228	322	322
30	76	97	110	139	227	320	320

3.28 Singapore dollar

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	0	6	12	35	155	306	3144
2	0	8	14	37	157	345	2332
3	1	10	18	43	153	358	1754
4	1	12	22	48	152	357	1353
5	1	14	26	51	152	347	1070
6	2	18	29	54	153	333	867
7	2	21	31	57	153	317	717
8	2	21	33	59	153	300	602
9	3	22	34	62	153	283	512
10	4	23	36	64	153	266	441
11	4	23	36	65	153	250	383
12	4	23	35	65	152	246	335
13	4	22	35	65	152	246	295
14	4	22	38	64	152	246	261
15	5	22	40	64	152	245	245
16	6	22	42	64	151	245	245
17	6	22	45	64	151	245	245
18	6	22	48	64	151	245	245
19	7	22	50	64	152	245	245
20	7	22	52	65	152	246	246
21	7	23	55	65	153	246	246
22	8	23	57	65	153	247	247
23	8	23	60	66	153	247	247
24	8	24	62	66	153	247	247
25	9	24	65	68	154	247	247
26	9	24	67	70	154	247	247
27	9	24	70	72	154	248	248
28	10	24	72	73	154	248	248
29	10	24	75	75	154	248	248
30	11	25	77	77	154	248	248

3.29 South Korean won

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	31	44	51	73	193	305	3132
2	31	44	51	73	194	343	2321
3	30	44	52	77	187	356	1746
4	28	44	54	80	184	355	1346
5	28	45	56	81	183	346	1065
6	31	48	60	85	184	332	862
7	29	48	58	84	180	316	712
8	33	52	63	90	184	299	598
9	32	52	64	92	183	281	509
10	27	47	60	88	177	271	438
11	22	42	55	84	172	266	380
12	19	39	52	81	169	263	333
13	16	37	50	79	166	260	293
14	14	35	48	77	164	258	260
15	13	33	46	75	163	257	257
16	11	32	45	74	161	255	255
17	11	31	45	73	161	254	254
18	10	30	47	72	160	254	254
19	9	30	49	72	160	253	253
20	9	30	52	72	160	253	253
21	9	30	54	72	160	253	253
22	9	30	57	72	160	253	253
23	9	30	60	72	160	253	253
24	9	30	61	72	159	253	253
25	9	30	64	72	159	253	253
26	9	29	66	72	159	253	253
27	9	29	69	71	159	253	253
28	10	29	71	73	159	253	253
29	10	29	74	75	159	252	252
30	11	29	77	77	159	252	252

3.30 Turkish lira

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	195	208	215	237	358	453	3807
2	191	204	211	233	354	449	2834
3	185	200	208	233	343	439	2129
4	181	196	206	232	336	430	1640
5	176	193	204	229	330	424	1295
6	173	190	202	227	325	419	1046
7	170	188	199	224	321	414	861
8	165	184	196	223	316	410	722
9	161	181	193	221	312	406	613
10	157	178	190	219	308	401	526
11	153	174	187	216	304	397	456
12	149	170	183	212	299	393	398
13	145	166	179	208	295	389	389
14	141	162	175	204	292	385	385
15	138	158	171	200	288	382	382
16	134	155	168	197	285	378	378
17	131	152	164	194	281	375	375
18	128	149	161	191	278	372	372
19	125	146	159	188	275	369	369
20	123	143	156	185	273	366	366
21	120	140	153	182	270	364	364
22	117	138	150	180	267	361	361
23	115	135	148	177	265	358	358
24	112	132	145	175	262	356	356
25	109	130	143	172	260	353	353
26	107	127	140	170	257	351	351
27	105	125	138	167	255	348	348
28	102	123	136	165	252	346	346
29	100	121	133	163	250	344	344
30	98	118	131	161	248	342	342

3.31 US dollar

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	0	14	26	52	173	307	3154
2	0	14	26	52	173	345	2335
3	1	17	28	56	169	358	1755
4	1	20	32	62	168	357	1353
5	2	23	36	67	169	347	1070
6	4	26	39	69	169	333	867
7	7	30	42	71	170	317	716
8	9	34	46	74	170	300	601
9	11	37	49	76	170	283	512
10	12	38	51	77	170	266	441
11	12	40	52	78	170	264	383
12	13	41	54	79	170	264	335
13	14	43	54	80	170	263	295
14	15	43	55	80	170	263	263
15	15	43	55	80	170	263	263
16	15	43	55	80	169	263	263
17	15	43	55	80	170	263	263
18	15	43	55	80	170	263	263
19	15	43	55	80	170	263	263
20	15	43	55	80	170	264	264
21	15	43	55	80	170	264	264
22	15	43	57	80	170	264	264
23	15	43	60	80	170	264	264
24	15	43	62	80	170	264	264
25	15	43	65	80	170	264	264
26	15	43	67	80	170	264	264
27	15	43	70	80	170	264	264
28	15	43	72	80	170	263	263
29	15	43	74	80	170	263	263
30	15	43	77	80	169	263	263

3.32 Yen

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	0	0	3	12	133	298	3056
2	0	1	6	14	131	336	2266
3	1	1	9	17	124	349	1705
4	1	3	11	19	121	347	1314
5	1	4	14	22	120	338	1040
6	2	4	16	25	120	325	843
7	2	6	19	28	119	309	697
8	2	6	22	30	119	292	585
9	2	7	25	32	119	276	498
10	4	8	27	34	119	259	429
11	4	9	29	37	119	243	373
12	4	10	32	39	120	228	326
13	4	10	35	41	120	214	287
14	4	11	36	43	120	214	254
15	5	12	39	46	120	214	226
16	5	12	42	48	121	214	214
17	6	14	44	49	121	215	215
18	6	15	46	52	121	215	215
19	7	15	49	53	122	216	216
20	7	17	52	56	123	216	216
21	7	17	53	58	124	217	217
22	8	18	56	59	125	217	217
23	8	18	58	62	126	218	218
24	8	20	61	64	128	218	218
25	9	20	63	66	130	218	218
26	9	21	65	68	130	218	218
27	9	22	67	70	132	218	218
28	10	23	70	71	133	218	218
29	10	23	72	73	134	218	218
30	10	25	75	75	134	218	218

ANNEX III

Volatility adjustment to the relevant risk-free interest rate term structure

Currency	National insurance market	Volatility adjustment (in bps)
Euro	Austria	11
Euro	Belgium	11
Euro	Cyprus	11
Euro	Estonia	11
Euro	Finland	11
Euro	France	11
Euro	Germany	11
Euro	Greece	11
Euro	Ireland	11
Euro	Italy	11
Euro	Latvia	11
Euro	Lithuania	11
Euro	Luxembourg	11
Euro	Malta	11
Euro	Netherlands	11
Euro	Portugal	11
Euro	Slovakia	11
Euro	Slovenia	11
Euro	Spain	11
Czech koruna	Czech Republic	14
Danish krone	Denmark	7
Forint	Hungary	2
Krona	Sweden	11
Kuna	Croatia	1
Lev	Bulgaria	5
Pound sterling	United Kingdom	20
Romanian leu	Romania	3
Zloty	Poland	11
Króna	Iceland	1
Norwegian krone	Norway	45
Swiss franc	Liechtenstein	10
Swiss franc	Switzerland	10
Australian dollar	Australia	11
Canadian dollar	Canada	37
US dollar	United States	42
Yen	Japan	2

DECISIONS

COUNCIL IMPLEMENTING DECISION (EU) 2019/1903

of 8 November 2019

authorising Czechia to apply the generalised reverse charge mechanism derogating from Article 193 of Directive 2006/112/EC

THE COUNCIL OF THE EUROPEAN UNION,

Having regard to the Treaty on the Functioning of the European Union,

Having regard to Council Directive 2006/112/EC of 28 November 2006 on the common system of value added tax ⁽¹⁾, and in particular Article 199c(4) thereof,

Having regard to the proposal from the European Commission,

Whereas:

- (1) Article 199c of Directive 2006/112/EC permits Member States, by way of derogation from Article 193 of that Directive and under certain conditions, until 30 June 2022, to introduce a generalised reverse charge mechanism ('GRCM') on non-cross-border supplies of goods and services, providing that the person liable for payment of VAT is the taxable person to whom all supplies of goods or services are made above a threshold of EUR 17 500 per transaction.
- (2) By letters registered with the Commission on 21 January 2019 and 22 March 2019, Czechia requested authorisation to apply the GRCM.
- (3) The VAT gap in Czechia in 2014 was 16,14 % of the VAT total tax liability, in accordance with the method and figures set out in the Commission's 2016 final report of 23 August 2016 on the VAT gap. Czechia's VAT gap therefore exceeded the Community median VAT gap (10,4 %) by more than 5 percentage points.
- (4) The carousel fraud level within Czechia's total VAT gap was more than 25 % according to the impact assessment that accompanied the proposal for Council Directive (EU) 2018/2057 ⁽²⁾, which introduced the GRCM.
- (5) Czechia has provided details to the Commission showing that, although several control measures had been implemented in Czechia with positive results, the measures have not been sufficient to combat carousel fraud. Administrative cooperation in the field of VAT has also proven insufficient to combat carousel fraud.
- (6) Czechia has provided details to the Commission showing that the estimated gains in tax compliance and collection as a result of the introduction of the GRCM are expected to be 10 billion Czech crowns (CZK). Czechia also showed that the overall additional burden on business and tax authorities is expected to be CZK 604 million. The estimated gains in tax compliance and collection therefore outweigh the expected overall additional burden on business and tax authorities by at least 25 %.
- (7) Given that Czechia does not expect the overall additional burden on business and tax authorities resulting from the introduction of the GRCM to be significant, it will not result in businesses and tax authorities incurring costs that are higher than those incurred as a result of the application of other control measures.

⁽¹⁾ OJ L 347, 11.12.2006, p. 1.

⁽²⁾ Council Directive (EU) 2018/2057 of 20 December 2018 amending Directive 2006/112/EC on the common system of value added tax as regards the temporary application of a generalised reverse charge mechanism in relation to supplies of goods and services above a certain threshold (OJ L 329, 27.12.2018, p. 3).

- (8) Czechia has requested authorisation to apply the GRCM from 1 January 2020 to 30 June 2022.
- (9) Czechia has confirmed to the Commission that actions will be taken to inform taxable persons of the introduction of the application of the GRCM by means of email, public lectures, discussions with business associations, the website of the administration, and printed or electronic promotional material.
- (10) Czechia has provided the Commission with a detailed description of its existing VAT control mechanisms and has confirmed that, with the addition of a special GRCM code, the existing measures will be sufficient to ensure the effective functioning and monitoring of the application of the GRCM.
- (11) Based on the information provided by Czechia to the Commission, it is considered that Czechia complies with the conditions set out in Article 199c(1) of Directive 2006/112/EC and that the request submitted by Czechia complies with the requirements set out in Article 199c(3) of that Directive. It is therefore appropriate to authorise Czechia to apply the GRCM from 1 January 2020 to 30 June 2022.
- (12) The derogation will have no adverse impact on the Union's own resources accruing from VAT,

HAS ADOPTED THIS DECISION:

Article 1

By way of derogation from Article 193 of Directive 2006/112/EC, Czechia is authorised to apply the generalised reverse charge mechanism in accordance with Article 199c of that Directive from 1 January 2020 to 30 June 2022.

Article 2

This Decision shall take effect on the date of its notification.

It shall apply from 1 January 2020 to 30 June 2022.

Article 3

This Decision is addressed to the Czech Republic.

Done at Brussels, 8 November 2019.

For the Council
The President
M. LINTILÄ

COUNCIL DECISION (EU) 2019/1904**of 8 November 2019**

requesting the Commission to submit a study in light of the Court of Justice's judgment in Case C-528/16 regarding the status of novel genomic techniques under Union law, and a proposal, if appropriate in view of the outcomes of the study

THE COUNCIL OF THE EUROPEAN UNION

Having regard to the Treaty on the Functioning of the European Union, and in particular Article 241 thereof,

Whereas:

- (1) According to the definition set out in Directive 2001/18/EC of the European Parliament and of the Council ⁽¹⁾, a 'genetically modified organism (GMO)' means an organism, with the exception of human beings, in which the genetic material has been altered in a way that does not occur naturally by mating and/or natural recombination. Lists of techniques complete this definition and specify the scope of that Directive. The definition and the lists of techniques have been drafted in the light of those breeding techniques that were available and used at the time of the adoption of Directive 2001/18/EC.
- (2) Since then, there has been substantial progress in the development of new breeding techniques, leading to uncertainty on whether those new breeding techniques come under the definition of a GMO and the scope of Directive 2001/18/EC or not and, as a consequence, whether products obtained by them should be subject to the obligations laid down in that Directive.
- (3) By its judgment in Case C-528/16 ⁽²⁾, the Court of Justice, after considering the overall objectives of Directive 2001/18/EC, ruled that new mutagenesis techniques fall within the scope of that Directive and are subject to the obligations laid down therein.
- (4) The ruling brought legal clarity as to the status of new mutagenesis techniques, but also raised practical questions which have consequences for the national competent authorities, the Union's industry, in particular in the plant breeding sector, research and beyond. Those questions concern, inter alia, how to ensure compliance with Directive 2001/18/EC when products obtained by means of new mutagenesis techniques cannot be distinguished, using current methods, from products resulting from natural mutation, and how to ensure, in such a situation, the equal treatment between imported products and products produced within the Union.
- (5) The Council considers that a study is necessary to clarify the situation, in accordance with the Interinstitutional Agreement of 13 April 2016 on Better Law-Making ⁽³⁾, and in particular paragraph 10 thereof on the application of Article 225 and 241 of the Treaty on the Functioning of the European Union,

HAS ADOPTED THIS DECISION:

Article 1

The Council requests the Commission to submit, by 30 April 2021, a study in light of the Court of Justice's judgment in Case C-528/16 regarding the status of novel genomic techniques under Union law.

⁽¹⁾ Directive 2001/18/EC of the European Parliament and of the Council of 12 March 2001 on the deliberate release into the environment of genetically modified organisms and repealing Council Directive 90/220/EEC (OJ L 106, 17.4.2001, p. 1).

⁽²⁾ Judgment of the Court of Justice of 25 July 2018, *Confédération paysanne and Others v Premier ministre and Ministre de l'agriculture, de l'agroalimentaire et de la forêt*, C-528/16, ECLI:EU:C:2018:583.

⁽³⁾ OJ L 123, 12.5.2016, p. 1.

Article 2

1. The Council requests the Commission to submit a proposal, if appropriate in view of the outcomes of the study, or otherwise to inform the Council on other measures required as a follow-up to the study.
2. In accordance with usual practice, the Council requests the Commission to ensure that the proposal is accompanied by an impact assessment.

Article 3

This Decision shall enter into force on the day of its publication in the *Official Journal of the European Union*.

Done at Brussels, 8 November 2019.

For the Council
The President
L. ANDERSSON

COUNCIL DECISION (EU) 2019/1905**of 8 November 2019**

requesting the Commission to submit a study on the Union's options to update the existing legislation on the production and marketing of plant reproductive material, and a proposal, if appropriate in view of the outcomes of the study

THE COUNCIL OF THE EUROPEAN UNION

Having regard to the Treaty on the Functioning of the European Union, and in particular Article 241 thereof,

Whereas:

- (1) On 6 May 2013, the Commission submitted to the European Parliament and to the Council a proposal for a Regulation on the production and making available on the market of plant reproductive material. The proposal aimed to consolidate and update the existing legislation in order to address several areas of concern, such as: the complexity, rigidity and fragmentation of existing legislation; its non-harmonised implementation in Member States, resulting in obstacles to the establishment of a level playing field for all operators; the need to improve its alignment with other legislative acts that concern the sector and its coherence with other policies; the existence of room for cost reductions and efficiency gains; the need to adapt to technical progress in plant breeding and to the evolution of the European and global market of plant reproductive material; and the conservation of agrobiodiversity and plant genetic resources.
- (2) On 11 March 2014, the European Parliament rejected the Commission proposal and called on the Commission to withdraw the proposal and submit a new one ⁽¹⁾. On 16 June 2014, the Council expressed general support for a Presidency report containing orientations for a possible revised Commission proposal. The Commission withdrew the proposal in its 2015 work programme and did not submit a new one.
- (3) The Council considers that the concerns which the Commission aimed to address through its 2013 proposal are still relevant, and that a study is necessary in order to assess the options to update the existing legislative framework, in accordance with the Interinstitutional Agreement of 13 April 2016 on Better Law-Making ⁽²⁾, and in particular paragraph 10 thereof on the application of Article 225 and 241 of the Treaty on the Functioning of the European Union,

HAS ADOPTED THIS DECISION:

Article 1

The Council requests the Commission to submit, by 31 December 2020, a study on the options to update the existing legislation on the production and marketing of plant reproductive material.

Article 2

1. The Council requests the Commission to submit a proposal, if appropriate in view of the outcomes of the study, or otherwise to inform the Council of alternative measures required as a follow-up to the study.

⁽¹⁾ European Parliament legislative resolution of 11 March 2014 (OJ C 378, 9.11.2017, p. 303).

⁽²⁾ OJ L 123, 12.5.2016, p. 1.

2. In accordance with the usual practice, the Council requests the Commission to ensure that the proposal is accompanied by an impact assessment.

Article 3

This Decision shall enter into force on the day of its publication in the *Official Journal of the European Union*.

Done at Brussels, 8 November 2019.

For the Council
The President
L. ANDERSSON

COUNCIL DECISION (EU) 2019/1906**of 8 November 2019****appointing a member, proposed by the Republic of France of the Committee of the Regions**

THE COUNCIL OF THE EUROPEAN UNION,

Having regard to the Treaty on the Functioning of the European Union, and in particular Article 305 thereof,

Having regard to the proposal of the French Government,

Whereas:

- (1) On 26 January 2015, 5 February 2015 and 23 June 2015, the Council adopted Decisions (EU) 2015/116 ⁽¹⁾, (EU) 2015/190 ⁽²⁾ and (EU) 2015/994 ⁽³⁾ appointing the members and alternate members of the Committee of the Regions for the period from 26 January 2015 to 25 January 2020.
- (2) One member's seat on the Committee of the Regions has become vacant following the end of the mandate on the basis of which Mr François DECOSTER (*Vice-président du Conseil régional Nord-Pas-de-Calais-Picardie*) was proposed,

HAS ADOPTED THIS DECISION:

Article 1

The following is hereby appointed as a member of the Committee of the Regions for the remainder of the current term of office, which runs until 25 January 2020:

— Mr François DECOSTER, *Conseiller régional du Conseil régional Hauts-de-France* (change of mandate).

Article 2

This Decision shall enter into force on the date of its adoption.

Done at Brussels, 8 November 2019.

For the Council

The President

L. ANDERSSON

⁽¹⁾ Council Decision (EU) 2015/116 of 26 January 2015 appointing the members and alternate members of the Committee of the Regions for the period from 26 January 2015 to 25 January 2020 (OJ L 20, 27.1.2015, p. 42).

⁽²⁾ Council Decision (EU) 2015/190 of 5 February 2015 appointing the members and alternate members of the Committee of the Regions for the period from 26 January 2015 to 25 January 2020 (OJ L 31, 7.2.2015, p. 25).

⁽³⁾ Council Decision (EU) 2015/994 of 23 June 2015 appointing the members and alternate members of the Committee of the Regions for the period from 26 January 2015 to 25 January 2020 (OJ L 159, 25.6.2015, p. 70).

COUNCIL DECISION (EU) 2019/1907
of 8 November 2019

appointing a member, proposed by the Federal Republic of Germany, of the Committee of the Regions

THE COUNCIL OF THE EUROPEAN UNION,

Having regard to the Treaty on the Functioning of the European Union, and in particular Article 305 thereof,

Having regard to the proposal of the German Government,

Whereas:

- (1) On 26 January 2015, 5 February 2015 and 23 June 2015, the Council adopted Decisions (EU) 2015/116 ⁽¹⁾, (EU) 2015/190 ⁽²⁾ and (EU) 2015/994 ⁽³⁾ appointing the members and alternate members of the Committee of the Regions for the period from 26 January 2015 to 25 January 2020. On 18 July 2016, by Council Decision (EU) 2016/1204 ⁽⁴⁾, Mr Tilman TÖGEL was replaced by Ms Katrin BUDDE as a member. On 12 April 2018, by Council Decision (EU) 2018/587 ⁽⁵⁾ Ms Katrin BUDDE was replaced by Mr Tilman TÖGEL as a member.
- (2) A member's seat on the Committee of the Regions has become vacant following the end of the term of office of Mr Tilman TÖGEL,

HAS ADOPTED THIS DECISION:

Article 1

The following is hereby appointed as a member of the Committee of the Regions for the remainder of the current term of office, which runs until 25 January 2020:

— Mr Andreas DITTMANN, *Bürgermeister der Stadt Zerbst/Anhalt*.

Article 2

This Decision shall enter into force on the date of its adoption.

Done at Brussels, 8 November 2019.

For the Council
The President
L. ANDERSSON

⁽¹⁾ Council Decision (EU) 2015/116 of 26 January 2015 appointing the members and alternate members of the Committee of the Regions for the period from 26 January 2015 to 25 January 2020 (OJ L 20, 27.1.2015, p. 42).

⁽²⁾ Council Decision (EU) 2015/190 of 5 February 2015 appointing the members and alternate members of the Committee of the Regions for the period from 26 January 2015 to 25 January 2020 (OJ L 31, 7.2.2015, p. 25).

⁽³⁾ Council Decision (EU) 2015/994 of 23 June 2015 appointing the members and alternate members of the Committee of the Regions for the period from 26 January 2015 to 25 January 2020 (OJ L 159, 25.6.2015, p. 70).

⁽⁴⁾ Council Decision (EU) 2016/1204 of 18 July 2016 appointing a member, proposed by the Federal Republic of Germany of the Committee of the Regions (OJ L 198, 23.7.2016, p. 45).

⁽⁵⁾ Council Decision (EU) 2018/587 of 12 April 2018 appointing a member, proposed by the Federal Republic of Germany, of the Committee of the Regions (OJ L 98, 18.4.2018, p. 21).

COUNCIL DECISION (EU) 2019/1908**of 8 November 2019****on the position to be taken, on behalf of the European Union, in the Council for Trade in Goods of the World Trade Organization as regards the rules of procedure of the Committee on Trade Facilitation**

THE COUNCIL OF THE EUROPEAN UNION,

Having regard to the Treaty on the Functioning of the European Union, and in particular first subparagraph of Article 207 (4) in conjunction with Article 218(9) thereof,

Having regard to the proposal from the European Commission,

Whereas:

- (1) The Agreement on Trade Facilitation ⁽¹⁾ ('the Agreement') was concluded by the Union on the basis of Council Decision (EU) 2015/1947 ⁽²⁾ and entered into force on 22 February 2017.
- (2) Pursuant to Article 23.1.2 of the Agreement, the Committee on Trade Facilitation is to establish its own rules of procedure.
- (3) Pursuant to Article IV.6 of the Marrakesh Agreement Establishing the World Trade Organization, the rules of procedure of the Committee on Trade Facilitation are subject to the approval of the Council for Trade in Goods.
- (4) It is appropriate to establish the position to be taken, on behalf of the Union, in the Council for Trade in Goods, as the envisaged decision will be binding on the Union.
- (5) It is appropriate to agree with the proposed rules of procedure, which will enable the Committee on Trade Facilitation to operate efficiently. They are based on the Rules of Procedure of the General Council of the World Trade Organization with adjustments to meet the specific needs of the Committee on Trade Facilitation,

HAS ADOPTED THIS DECISION:

Article 1

The position to be taken, on behalf of the Union, within the meeting of the Council for Trade in Goods, as regards the adoption of the rules of procedure of the Committee on Trade Facilitation, shall be to support the adoption of those rules, as set out in the Annex.

⁽¹⁾ OJ L 284, 30.10.2015, p. 4.

⁽²⁾ Council Decision (EU) 2015/1947 of 1 October 2015 on the conclusion, on behalf of the European Union, of the Protocol Amending the Marrakesh Agreement establishing the World Trade Organisation (OJ L 284, 30.10.2015, p. 1).

Article 2

This Decision shall enter into force on the date of its adoption.

Done at Brussels, 8 November 2019.

For the Council
The President
M. LINTILÄ

ANNEX

RULES OF PROCEDURE OF THE COMMITTEE ON TRADE FACILITATION ⁽¹⁾

The Rules of Procedure for meetings of the General Council (WT/L/161) be applied *mutatis mutandis* to meetings of the Committee on Trade Facilitation, except as follows:

Chapter I — Meetings

- (a) Rule 1 (of the General Council) should be amended in line with paragraph 1.2 of Article 23 of the Agreement on Trade Facilitation to provide that:

‘The Committee shall meet as needed and envisaged by the provisions of the Agreement on Trade Facilitation, but no less than once a year.’

- (b) The first sentence of Rule 2 should be amended to read as follows:

‘Meetings of the Committee shall be convened by the Director-General by a notice issued preferably three weeks, and in any event not less than ten calendar days, prior to the date set for the meeting.’

Chapter II — Agenda

- (c) Rule 5 should not be applied ⁽²⁾.

- (d) Rule 11 should be modified to read as follows:

‘Representatives of international intergovernmental organizations may attend the meetings as observers on the invitation of the Committee on Trade Facilitation in accordance with the guidelines in Annex 3 to the Rules of the General Council.

Furthermore, in accordance with Article 23:1:5 of the Agreement on Trade Facilitation, the Committee may invite representatives of other international organizations with competence in the field of trade facilitation or their subsidiary bodies to:

- (a) attend meetings of the Committee; and
- (b) discuss specific matters related to the implementation of this Agreement.’

Chapter V — Officers

- (e) Rules 12, 13 and 14 should be amended to authorise the Committee to elect a Vice-Chairperson. Accordingly, Rules 12, 13 and 14 should read as follows:

‘Rule 12. The Committee shall elect a Chairperson ⁽³⁾ and may elect a Vice-Chairperson from among the representatives of Members. The election shall take place at the first meeting of the year and shall take effect at the end of the meeting. The Chairperson and Vice-Chairperson shall hold office until the end of the first meeting of the following year.

Rule 13. If the Chairperson is absent from any meeting or part thereof, the Vice-Chairperson shall perform the functions of the Chairperson. If no Vice-Chairperson was elected or if the Vice-Chairperson is not present, the Committee shall elect an interim Chairperson for that meeting or that part of the meeting.

Rule 14. If the Chairperson can no longer perform the functions of the office, the Committee shall designate the Vice-Chairperson referred to in Rule 12 or, if no Vice-Chairperson was elected it shall elect an interim Chairperson to perform those functions pending the election of a new Chairperson.’

⁽¹⁾ Based on the Communication from Argentina, Japan, Norway and Paraguay (G/TFA/W/14).

⁽²⁾ Sufficient preparation and circulation of the agenda is secured by the GC Rules of Procedure through Rules 2, 3 and 6.

⁽³⁾ The Committee shall apply the relevant guidelines contained in the ‘Guidelines for Appointment of Officers to WTO Bodies’ (WT/L/31, dated 7 February 1995).

Chapter VI — Conduct of business

- (f) The first sentence of Rule 24 should be amended to read as follows:

‘In order to expedite the conduct of business, the Chairperson may invite representatives that wish to express their support for a given proposal to show their hands, in order to be duly recorded in the records as supporting statements
....’

Chapter VII — Decision-Making

- (g) Rule 33 should be amended to read as follows:

‘Where a decision cannot be arrived at by consensus, the matter at issue shall be referred to the Council for Trade in Goods.’

- (h) Rule 34 should not apply.
-

COUNCIL DECISION (CFSP) 2019/1909
of 12 November 2019
amending and updating Decision (CFSP) 2018/340 establishing the list of projects to be developed
under PESCO

THE COUNCIL OF THE EUROPEAN UNION,

Having regard to the Treaty on European Union, in particular Article 46(6) thereof,

Having regard to Council Decision (CFSP) 2017/2315 of 11 December 2017 establishing permanent structured cooperation (PESCO) and determining the list of participating Member States ⁽¹⁾,

Having regard to the proposal from the High Representative of the Union for Foreign Affairs and Security Policy,

Whereas:

- (1) On 11 December 2017, the Council adopted Decision (CFSP) 2017/2315.
- (2) Point (e) of Article 4(2) of Decision (CFSP) 2017/2315 provides that the Council is to establish the list of projects to be developed under permanent structured cooperation (PESCO), reflecting both support for capability development and the provision of substantial support within means and capabilities to common security and defence policy (CSDP) operations and missions.
- (3) On 6 March 2018, the Council adopted Decision (CFSP) 2018/340 ⁽²⁾ establishing the list of projects to be developed under PESCO.
- (4) On 6 March 2018, the Council adopted a Recommendation ⁽³⁾ concerning a roadmap for the implementation of PESCO (the 'Recommendation').
- (5) Paragraph 9 of the Recommendation specified that the Council should update the list of PESCO projects by November 2018 to include the next set of projects, in accordance with the procedure set out in Article 5 of Decision (CFSP) 2017/2315, which provides in particular that the High Representative of the Union for Foreign Affairs and Security Policy (the 'High Representative') may make a recommendation concerning the identification and evaluation of PESCO projects, on the basis of assessments provided by the PESCO Secretariat, for the Council to take a decision, following military advice by the Military Committee of the European Union (EUMC).
- (6) On 25 June 2018, the Council adopted Decision (CFSP) 2018/909 ⁽⁴⁾ establishing a common set of governance rules for PESCO projects.
- (7) On 19 November 2018, the Council adopted Decision (CFSP) 2018/1797 ⁽⁵⁾ amending and updating Decision (CFSP) 2018/340.
- (8) On 14 May 2019, the Council adopted a Recommendation ⁽⁶⁾ assessing the progress made by the participating Member States to fulfil commitments undertaken in the framework of permanent structured cooperation (PESCO).
- (9) On 30 September 2019, the High Representative made a recommendation to the Council concerning the identification and evaluation of project proposals in the PESCO framework.

⁽¹⁾ OJ L 331, 14. 12. 2017, p. 57.

⁽²⁾ Council Decision (CFSP) 2018/340 of 6 March 2018 establishing the list of projects to be developed under PESCO (OJ L 65, 8.3.2018, p. 24).

⁽³⁾ Council Recommendation of 6 March 2018 concerning a roadmap for the implementation of PESCO (OJ C 88, 8. 3.2018, p. 1).

⁽⁴⁾ Council Decision (CFSP) 2018/909 of 25 June 2018 establishing a common set of governance rules for PESCO projects (OJ L 161, 26.6.2018, p. 37).

⁽⁵⁾ Council Decision (CFSP) 2018/1797 of 19 November 2018 amending and updating Decision (CFSP) 2018/340 establishing the list of projects to be developed under PESCO (OJ L 294, 21. 11. 2018, p. 18).

⁽⁶⁾ Council Recommendation of 14 May 2019 assessing the progress made by the participating Member States to fulfil commitments undertaken in the framework of permanent structured cooperation (PESCO) (OJ C 166, 15.5.2019, p. 1).

- (10) On 22 October 2019, the Political and Security Committee agreed on the recommendations contained in the EUMC military advice on the High Representative's recommendation concerning the identification and evaluation of project proposals in the PESCO framework.
- (11) The Council should therefore amend and update Decision (CFSP) 2018/340,

HAS ADOPTED THIS DECISION:

Article 1

Decision (CFSP) 2018/340 is amended as follows:

- (1) in Article 1, the following projects are added to the list:
- ‘35. Integrated European Joint Training and Simulation Centre (EUROSIM);
 - 36. EU Cyber Academia and Innovation Hub (EU CAIH);
 - 37. Special Operations Forces Medical Training Centre (SMTC);
 - 38. CBRN Defence Training Range (CBRNDTR);
 - 39. European Union Network of Diving Centres (EUNDC);
 - 40. Maritime Unmanned Anti-Submarine System (MUSAS);
 - 41. European Patrol Corvette (EPC);
 - 42. Airborne Electronic Attack (AEA);
 - 43. Cyber and Information Domain Coordination Centre (CIDCC);
 - 44. Timely Warning and Interception with Space-based TheatER surveillance (TWISTER);
 - 45. Materials and components for technological EU competitiveness (MAC-EU);
 - 46. EU Collaborative Warfare Capabilities (ECoWAR);
 - 47. European Global RPAS Insertion Architecture System.’;
- (2) in Annex I, the entries set out in Annex I to this Decision are added;
- (3) Annex II is replaced by the text appearing in Annex II to this Decision.

Article 2

This Decision shall enter into force on the date of its adoption.

Done at Brussels, 12 November 2019.

For the Council
The President
F. MOGHERINI

ANNEX I

Project	Project Members
35. Integrated European Joint Training and Simulation Centre (EUROSIM)	Hungary, Germany, France, Poland, Slovenia
36. EU Cyber Academia and Innovation Hub (EU CAIH)	Portugal, Spain
37. Special Operations Forces Medical Training Centre (SMTTC)	Poland, Hungary
38. Chemical, Biological, Radiological and Nuclear (CBRN) Defence Training Range (CBRNDTR)	Romania, France, Italy
39. European Union Network of Diving Centres (EUNDC)	Romania, Bulgaria, France
40. Maritime Unmanned Anti-Submarine System (MUSAS)	Portugal, Spain, France, Sweden
41. European Patrol Corvette (EPC)	Italy, France
42. Airborne Electronic Attack (AEA)	Spain, France, Sweden
43. Cyber and Information Domain Coordination Centre (CIDCC)	Germany, Czechia, Spain, Hungary, Netherlands
44. Timely Warning and Interception with Space-based TheatER surveillance (TWISTER)	France, Spain, Italy, Netherlands, Finland
45. Materials and components for technological EU competitiveness (MAC-EU)	France, Spain, Portugal, Romania
46. EU Collaborative Warfare Capabilities (ECoWAR)	France, Belgium, Spain, Hungary, Romania, Sweden
47. European Global Remotely Piloted Aircraft Systems (RPAS) Insertion Architecture System	Italy, France, Romania

ANNEX II

ANNEX II

CONSOLIDATED UPDATED LIST OF THE PROJECT MEMBERS OF EACH INDIVIDUAL PROJECT

Project	Project Members
1. European Medical Command	Germany, Belgium, Czechia, Spain, France, Italy, Netherlands, Romania, Slovakia, Sweden
2. European Secure Software defined Radio (ESSOR)	France, Belgium, Germany, Spain, Italy, Netherlands, Poland, Portugal, Finland
3. Network of logistic Hubs in Europe and support to Operations	Germany, Belgium, Bulgaria, Greece, Spain, France, Croatia, Italy, Cyprus, Lithuania, Hungary, Netherlands, Poland, Slovenia, Slovakia
4. Military Mobility	Netherlands, Belgium, Bulgaria, Czechia, Germany, Estonia, Greece, Spain, France, Croatia, Italy, Cyprus, Latvia, Lithuania, Luxembourg, Hungary, Austria, Poland, Portugal, Romania, Slovenia, Slovakia, Finland, Sweden
5. European Union Training Mission Competence Centre (EU TMCC)	Germany, Czechia, Ireland, Spain, France, Italy, Luxembourg, Austria, Netherlands, Romania, Sweden
6. European Training Certification Centre for European Armies	Italy, Greece
7. Energy Operational Function (EOF)	France, Belgium, Italy, Spain
8. Deployable Military Disaster Relief Capability Package	Italy, Greece, Spain, Croatia, Austria
9. Maritime (semi-) Autonomous Systems for Mine Countermeasures (MAS MCM)	Belgium, Greece, Latvia, Netherlands, Poland, Portugal, Romania
10. Harbour & Maritime Surveillance and Protection (HARMSPRO)	Italy, Greece, Poland, Portugal
11. Upgrade of Maritime Surveillance	Greece, Bulgaria, Ireland, Spain, Croatia, Italy, Cyprus
12. Cyber Threats and Incident Response Information Sharing Platform	Greece, Spain, Italy, Cyprus, Hungary, Austria, Portugal
13. Cyber Rapid Response Teams and Mutual Assistance in Cyber Security	Lithuania, Estonia, Croatia, Italy, Netherlands, Poland, Romania, Finland
14. Strategic Command and Control (C2) System for CSDP Missions and Operations	Spain, Germany, France, Italy, Luxembourg, Portugal
15. Armoured Infantry Fighting Vehicle / Amphibious Assault Vehicle / Light Armoured Vehicle	Italy, Greece, Slovakia
16. Indirect Fire Support (EuroArtillery)	Slovakia, Italy, Hungary
17. EUFOR Crisis Response Operation Core (EUFOR CROC)	Germany, Spain, France, Italy, Cyprus
18. Helicopter Hot and High Training (H3 Training)	Greece, Italy, Romania
19. Joint EU Intelligence School	Greece, Cyprus

Project	Project Members
20. EU Test and Evaluation Centres	France, Sweden, Spain, Slovakia
21. Integrated Unmanned Ground System (UGS)	Estonia, Belgium, Czechia, Germany, Spain, France, Latvia, Hungary, Netherlands, Poland, Finland
22. EU Beyond Line Of Sight (BLOS) Land Battlefield Missile Systems	France, Belgium, Cyprus
23. Deployable Modular Underwater Intervention Capability Package (DIVEPACK)	Bulgaria, Greece, France
24. European Medium Altitude Long Endurance Remotely Piloted Aircraft Systems - MALE RPAS (Eurodrone)	Germany, Czechia, Spain, France, Italy
25. European Attack Helicopters TIGER Mark III	France, Germany, Spain
26. Counter Unmanned Aerial System (C-UAS)	Italy, Czechia
27. European High Atmosphere Airship Platform (EHAAP) – Persistent Intelligence, Surveillance and Reconnaissance (ISR) Capability	Italy, France
28. One Deployable Special Operations Forces (SOF) Tactical Command and Control (C2) Command Post (CP) for Small Joint Operations (SJO) – (SOCC) for SJO	Greece, Cyprus
29. Electronic Warfare Capability and Interoperability Programme for Future Joint Intelligence, Surveillance and Reconnaissance (JISR) Cooperation	Czechia, Germany
30. Chemical, Biological, Radiological and Nuclear (CBRN) Surveillance as a Service (CBRN SaaS)	Austria, France, Croatia, Hungary, Slovenia
31. Co-basing	France, Belgium, Czechia, Germany, Spain, Netherlands
32. Geo-meteorological and Oceanographic (GeoMETOC) Support Coordination Element (GMSCE)	Germany, Greece, France, Austria, Portugal, Romania
33. EU Radio Navigation Solution (EURAS)	France, Belgium, Germany, Spain, Italy, Poland
34. European Military Space Surveillance Awareness Network (EU-SSA-N)	Italy, France
35. Integrated European Joint Training and Simulation Centre (EUROSIM)	Hungary, Germany, France, Poland, Slovenia
36. EU Cyber Academia and Innovation Hub (EU CAIH)	Portugal, Spain
37. Special Operations Forces Medical Training Centre (SMTC)	Poland, Hungary
38. Chemical, Biological, Radiological and Nuclear (CBRN) Defence Training Range (CBRNDTR)	Romania, France, Italy
39. European Union Network of Diving Centres (EUNDC)	Romania, Bulgaria, France
40. Maritime Unmanned Anti-Submarine System (MUSAS)	Portugal, France, Spain, Sweden
41. European Patrol Corvette (EPC)	Italy, France

Project	Project Members
42. Airborne Electronic Attack (AEA)	Spain, France, Sweden
43. Cyber and Information Domain Coordination Centre (CIDCC)	Germany, Czechia, Spain, Hungary, Netherlands
44. Timely Warning and Interception with Space-based TheatER surveillance (TWISTER)	France, Spain, Italy, Netherlands, Finland
45. Materials and components for technological EU competitiveness (MAC-EU)	France, Spain, Portugal, Romania
46. EU Collaborative Warfare Capabilities (ECoWAR)	France, Belgium, Spain, Hungary, Romania, Sweden
47. European Global Remotely Piloted Aircraft Systems (RPAS) Insertion Architecture System	Italy, France, Romania'

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