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## Legislation

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Contents

### II *Non-legislative acts*

#### REGULATIONS

- ★ **Council Regulation (EU) 2017/1419 of 4 August 2017 amending Regulation (EU) 2016/44 concerning restrictive measures in view of the situation in Libya** ..... 1
- ★ **Council Implementing Regulation (EU) 2017/1420 of 4 August 2017 implementing Article 2(3) of Regulation (EC) No 2580/2001 on specific restrictive measures directed against certain persons and entities with a view to combating terrorism, and repealing Implementing Regulation (EU) 2017/150** ..... 3
- ★ **Commission Implementing Regulation (EU) 2017/1421 of 2 August 2017 laying down technical information for the calculation of technical provisions and basic own funds for reporting with reference dates from 30 June until 29 September 2017 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<sup>(1)</sup>** ..... 7
- ★ **Commission Implementing Regulation (EU) 2017/1422 of 4 August 2017 designating the European Union reference centre responsible for the scientific and technical contribution to the harmonisation and improvement of the methods of performance testing and genetic evaluation of purebred breeding animals of the bovine species<sup>(1)</sup>** ..... 78
- ★ **Commission Implementing Regulation (EU) 2017/1423 of 4 August 2017 amending Council Regulation (EU) 2016/44 concerning restrictive measures in view of the situation in Libya** 80

#### DECISIONS

- ★ **Council Decision (CFSP) 2017/1424 of 4 August 2017 in support of OSCE activities to reduce the risk of illicit trafficking and excessive accumulation of small arms and light weapons and conventional ammunition in the former Yugoslav Republic of Macedonia and Georgia** ..... 82

<sup>(1)</sup> Text with EEA relevance.

# EN

Acts whose titles are printed in light type are those relating to day-to-day management of agricultural matters, and are generally valid for a limited period.

The titles of all other acts are printed in bold type and preceded by an asterisk.

★ Council Decision (CFSP) 2017/1425 of 4 August 2017 on a European Union stabilisation action in Mopti and Segou .....	90
★ Council Decision (CFSP) 2017/1426 of 4 August 2017 updating the list of persons, groups and entities subject to Articles 2, 3 and 4 of Common Position 2001/931/CFSP on the application of specific measures to combat terrorism, and repealing Decision (CFSP) 2017/154 .....	95
★ Council Decision (CFSP) 2017/1427 of 4 August 2017 amending Decision (CFSP) 2015/1333 concerning restrictive measures in view of the situation in Libya .....	99
★ Council Decision (CFSP) 2017/1428 of 4 August 2017 in support of the implementation of the Maputo Action Plan for the implementation of the 1997 Convention on the Prohibition of the Use, Stockpiling, Production and Transfer of Anti-Personnel Mines and on their Destruction	101
★ Council Implementing Decision (CFSP) 2017/1429 of 4 August 2017 implementing Decision (CFSP) 2015/1333 concerning restrictive measures in view of the situation in Libya .....	110

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#### Corrigenda

★ Amendments to Regulation No 138 of the Economic Commission for Europe of the United Nations (UN/ECE) — Uniform provisions concerning the approval of Quiet Road Transport Vehicles with regard to their reduced audibility .....	112
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## II

(Non-legislative acts)

## REGULATIONS

## COUNCIL REGULATION (EU) 2017/1419

of 4 August 2017

**amending Regulation (EU) 2016/44 concerning restrictive measures in view of the situation in Libya**

THE COUNCIL OF THE EUROPEAN UNION,

Having regard to the Treaty on the Functioning of the European Union, and in particular Article 215 thereof,

Having regard to Council Decision (CFSP) 2017/1427 of 4 August 2017 amending Decision (CFSP) 2015/1333 concerning restrictive measures in view of the situation in Libya <sup>(1)</sup>,

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

Whereas:

- (1) Council Regulation (EU) 2016/44 <sup>(2)</sup> gives effect to measures provided for in Council Decision (CFSP) 2015/1333 <sup>(3)</sup>.
- (2) On 29 June 2017, the United Nations Security Council adopted Resolution (UNSCR) 2362 (2017) extending the application of measures to vessels loading, transporting or discharging petroleum, including crude oil and refined petroleum products, illicitly exported or attempted to be exported from Libya and further specifying the listing criteria.
- (3) On 4 August 2017, the Council adopted Decision (CFSP) 2017/1427 amending Decision (CFSP) 2015/1333.
- (4) Regulatory action at the level of the Union is necessary in order to implement these measures, in particular with a view to ensuring their uniform application by economic operators in all Member States.
- (5) Regulation (EU) 2016/44 should therefore be amended accordingly,

HAS ADOPTED THIS REGULATION:

*Article 1*

Regulation (EU) 2016/44 is amended as follows:

- (1) in Article 6, paragraph 1 is replaced by the following:

‘1. Annex II shall include the natural or legal persons, entities and bodies designated by the Security Council or by the Sanctions Committee in accordance with paragraph 22 of UNSCR 1970 (2011), paragraph 19, 22 or 23 of UNSCR 1973 (2011), paragraph 4 of UNSCR 2174 (2014), paragraph 11 of UNSCR 2213 (2015) or paragraph 11 of UNSCR 2362(2017).’;

<sup>(1)</sup> See page 99 of this Official Journal.

<sup>(2)</sup> Council Regulation (EU) 2016/44 of 18 January 2016 concerning restrictive measures in view of the situation in Libya and repealing Regulation (EU) No 204/2011 (OJ L 12, 19.1.2016, p. 1).

<sup>(3)</sup> Council Decision (CFSP) 2015/1333 of 31 July 2015 concerning restrictive measures in view of the situation in Libya, and repealing Decision 2011/137/CFSP (OJ L 206, 1.8.2015, p. 34).

(2) Article 15 is amended as follows:

(a) paragraph 1 is replaced by the following:

‘1. It shall be prohibited to load, transport or discharge petroleum, including crude oil and refined petroleum products from Libya on designated vessels flying the flag of a Member State unless authorised by the competent authority of that Member State after consultation with the Government of Libya focal point.’;

(b) paragraph 6 is replaced by the following:

‘6. Financial transactions including the sale, the use as credit and the taking out of transport insurance, with respect to petroleum, including crude oil and refined petroleum products aboard designated vessels, shall be prohibited, if the Sanctions Committee has so specified. Such prohibition shall not apply to the acceptance of port fees in the cases referred to in paragraph 3.’.

#### Article 2

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

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

Done at Brussels, 4 August 2017.

*For the Council*

*The President*

M. MAASIKAS

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**COUNCIL IMPLEMENTING REGULATION (EU) 2017/1420****of 4 August 2017****implementing Article 2(3) of Regulation (EC) No 2580/2001 on specific restrictive measures directed against certain persons and entities with a view to combating terrorism, and repealing Implementing Regulation (EU) 2017/150**

THE COUNCIL OF THE EUROPEAN UNION,

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

Having regard to Council Regulation (EC) No 2580/2001 of 27 December 2001 on specific restrictive measures directed against certain persons and entities with a view to combating terrorism <sup>(1)</sup>, and in particular Article 2(3) thereof,

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

Whereas:

- (1) On 27 January 2017, the Council adopted Implementing Regulation (EU) 2017/150 <sup>(2)</sup> implementing Article 2(3) of Regulation (EC) No 2580/2001, establishing an updated list of persons, groups and entities to which Regulation (EC) No 2580/2001 applies ('the list').
- (2) The Council has provided, where practically possible, all the persons, groups and entities with statements of reasons explaining why they were entered into the list.
- (3) By way of a notice published in the *Official Journal of the European Union*, the Council informed the persons, groups and entities on the list that it had decided to keep them thereon. The Council also informed the persons, groups and entities concerned that it was possible to request a statement of the Council's reasons for entering them into the list where such a statement had not already been communicated to them.
- (4) The Council has reviewed the list as required by Article 2(3) of Regulation (EC) No 2580/2001. When carrying out that review, the Council took into account the observations submitted to it by those concerned as well as the updated information received from the competent national authorities on the status of listed individuals and entities at the national level.
- (5) The Council has verified that competent authorities as referred to in Article 1(4) of Council Common Position 2001/931/CFSP <sup>(3)</sup> have taken decisions with regards to all persons, groups and entities to the effect that they have been involved in terrorist acts within the meaning of Article 1(2) and (3) of Common Position 2001/931/CFSP. The Council has also concluded that the persons, groups and entities to which Articles 2, 3 and 4 of Common Position 2001/931/CFSP apply should continue to be subject to the specific restrictive measures provided for in Regulation (EC) No 2580/2001.
- (6) The list should be updated accordingly and Implementing Regulation (EU) 2017/150 should be repealed,

HAS ADOPTED THIS REGULATION:

*Article 1*

The list provided for in Article 2(3) of Regulation (EC) No 2580/2001 is set out in the Annex to this Regulation.

<sup>(1)</sup> OJ L 344, 28.12.2001, p. 70.<sup>(2)</sup> Council Implementing Regulation (EU) 2017/150 of 27 January 2017 implementing Article 2(3) of Regulation (EC) No 2580/2001 on specific restrictive measures directed against certain persons and entities with a view to combating terrorism, and repealing Implementing Regulation (EU) 2016/1127 (OJ L 23, 28.1.2017, p. 3).<sup>(3)</sup> Council Common Position 2001/931/CFSP of 27 December 2001 on the application of specific measures to combat terrorism (OJ L 344, 28.12.2001, p. 93).

*Article 2*

Implementing Regulation (EU) 2017/150 is hereby repealed.

*Article 3*

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

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

Done at Brussels, 4 August 2017.

*For the Council*

*The President*

M. MAASIKAS

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## ANNEX

## List of persons, groups and entities referred to in Article 1

## I. PERSONS

1. ABDOLLAHI Hamed (a.k.a. Mustafa Abdullahi), born 11 August 1960 in Iran. Passport: D9004878.
2. AL-NASSER, Abdelkarim Hussein Mohamed, born in Al Ihsa (Saudi Arabia), citizen of Saudi Arabia.
3. AL YACOUB, Ibrahim Salih Mohammed, born 16.10.1966 in Tarut (Saudi Arabia), citizen of Saudi Arabia.
4. ARBABSAR Manssor (a.k.a. Mansour Arbabsar), born 6 or 15 March 1955 in Iran. Iranian and US national. Passport: C2002515 (Iran); Passport: 477845448 (USA). National ID No: 07442833, expiry date 15 March 2016 (USA driving licence).
5. BOUYERI, Mohammed (a.k.a. Abu ZUBAIR, a.k.a. SOBIAR, a.k.a. Abu ZOUBAIR), born 8.3.1978 in Amsterdam (The Netherlands).
6. EL HAJJ, Hassan Hassan, born 22.3.1988 in Zaghdraiya, Sidon, Lebanon, Canadian citizen. Passport number: JX446643 (Canada).
7. IZZ-AL-DIN, Hasan (a.k.a. GARBAYA, Ahmed, a.k.a. SA-ID, a.k.a. SALWWAN, Samir), born 1963 in Lebanon, citizen of Lebanon.
8. MELIAD, Farah, born 5.11.1980 in Sydney (Australia), Australian citizen. Passport number: M2719127 (Australia).
9. MOHAMMED, Khalid Shaikh (a.k.a. ALI, Salem, a.k.a. BIN KHALID, Fahd Bin Adballah, a.k.a. HENIN, Ashraf Refaat Nabith, a.k.a. WADOOD, Khalid Abdul), born 14.4.1965 or 1.3.1964 in Pakistan, passport No 488555.
10. ŞANLI, Dalokay (a.k.a. Sinan), born 13.10.1976 in Pülümür (Turkey).
11. SHAHLAI Abdul Reza (a.k.a. Abdol Reza Shala'i, a.k.a. Abd-al Reza Shalai, a.k.a. Abdorreza Shahlai, a.k.a. Abdolreza Shahla'i, a.k.a. Abdul-Reza Shahlaee, a.k.a. Hajj Yusef, a.k.a. Haji Yusif, a.k.a. Hajji Yasir, a.k.a. Hajji Yusif, a.k.a. Yusuf Abu-al-Karkh), born circa 1957 in Iran. Addresses: (1) Kermanshah, Iran, (2) Mehran Military Base, Ilam Province, Iran.
12. SHAKURI Ali Gholam, born circa 1965 in Tehran, Iran.
13. SOLEIMANI Qasem (a.k.a. Ghasem Soleymani, a.k.a. Qasmi Sulayman, a.k.a. Qasem Soleymani, a.k.a. Qasem Solaimani, a.k.a. Qasem Salimani, a.k.a. Qasem Solemani, a.k.a. Qasem Sulaimani, a.k.a. Qasem Sulemani), born 11 March 1957 in Iran. Iranian national. Passport: 008827 (Iran Diplomatic), issued 1999. Title: Major General.

## II. GROUPS AND ENTITIES

1. 'Abu Nidal Organisation' — 'ANO' (a.k.a. 'Fatah Revolutionary Council', a.k.a. 'Arab Revolutionary Brigades', a.k.a. 'Black September', a.k.a. 'Revolutionary Organisation of Socialist Muslims'.
2. 'Al-Aqsa Martyrs' Brigade'.
3. 'Al-Aqsa e.V.'.
4. 'Babbar Khalsa'.
5. 'Communist Party of the Philippines', including 'New People's Army' — 'NPA', Philippines.
6. 'Gama'a al-Islamiyya' (a.k.a. 'Al-Gama'a al-Islamiyya') ('Islamic Group' — 'IG').
7. 'İslami Büyük Doğu Akıncılar Cephesi' — 'IBDA-C' ('Great Islamic Eastern Warriors Front').
8. 'Hamas', including 'Hamas-Izz al-Din al-Qassem'.
9. 'Hizballah Military Wing' (a.k.a. 'Hezbollah Military Wing', a.k.a. 'Hizbullah Military Wing', a.k.a. 'Hizbollah Military Wing', a.k.a. 'Hezbollah Military Wing', a.k.a. 'Hisbollah Military Wing', a.k.a. 'Hizbu'llah Military Wing' a.k.a. 'Hizb Allah Military Wing', a.k.a. 'Jihad Council' (and all units reporting to it, including the External Security Organisation)).

10. 'Hizbul Mujahideen' — 'HM'.
  11. 'Khalistan Zindabad Force' — 'KZF'.
  12. 'Kurdistan Workers' Party' — 'PKK', (a.k.a. 'KADEK', a.k.a. 'KONGRA-GEL').
  13. 'Liberation Tigers of Tamil Eelam' — 'LTTE'.
  14. 'Ejército de Liberación Nacional' ('National Liberation Army').
  15. 'Palestinian Islamic Jihad' — 'PIJ'.
  16. 'Popular Front for the Liberation of Palestine' — 'PFLP'.
  17. 'Popular Front for the Liberation of Palestine — General Command' (a.k.a. 'PFLP — General Command').
  18. 'Fuerzas armadas revolucionarias de Colombia' — 'FARC' ('Revolutionary Armed Forces of Colombia').
  19. 'Devrimci Halk Kurtuluş Partisi-Cephesi' — 'DHKP/C' (a.k.a. 'Devrimci Sol' ('Revolutionary Left'), a.k.a. 'Dev Sol') ('Revolutionary People's Liberation Army/Front/Party').
  20. 'Sendero Luminoso' — 'SL' ('Shining Path').
  21. 'Teyrbazen Azadiya Kurdistan' — 'TAK' (a.k.a. 'Kurdistan Freedom Falcons', a.k.a. 'Kurdistan Freedom Hawks').
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**COMMISSION IMPLEMENTING REGULATION (EU) 2017/1421****of 2 August 2017****laying down technical information for the calculation of technical provisions and basic own funds for reporting with reference dates from 30 June until 29 September 2017 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) <sup>(1)</sup>, 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 6 July 2017, the European Insurance and Occupational Pensions Authority provided the Commission with the technical information related to end of June 2017 market data. That information was published on 6 July 2017 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 <sup>(2)</sup>,

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 June until 29 September 2017.

<sup>(1)</sup> OJ L 335, 17.12.2009, p. 1.

<sup>(2)</sup> 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).

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;
- (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 June 2017.

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

Done at Brussels, 2 August 2017.

*For the Commission*  
*The President*  
Jean-Claude JUNCKER

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## 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	- 0,335	0,337	- 0,344	0,093	- 0,549	0,287
2	- 0,225	0,581	- 0,235	0,489	- 0,335	0,855
3	- 0,098	0,696	- 0,108	0,623	- 0,105	1,419
4	0,037	0,792	0,027	1,135	0,122	1,889
5	0,172	0,879	0,162	1,551	0,336	2,164
6	0,312	0,958	0,302	1,984	0,536	2,333
7	0,446	1,014	0,436	2,359	0,719	2,465
8	0,577	1,074	0,567	2,638	0,887	2,596
9	0,702	1,133	0,692	2,856	1,035	2,733
10	0,817	1,188	0,807	3,030	1,165	2,852
11	0,919	1,227	0,909	3,196	1,326	2,950
12	1,011	1,262	1,001	3,355	1,501	3,034
13	1,095	1,303	1,084	3,503	1,672	3,106
14	1,167	1,351	1,156	3,635	1,832	3,169
15	1,224	1,407	1,213	3,750	1,977	3,224
16	1,265	1,470	1,255	3,844	2,108	3,274
17	1,299	1,538	1,288	3,922	2,227	3,318
18	1,331	1,609	1,320	3,986	2,333	3,358
19	1,365	1,681	1,355	4,039	2,430	3,394
20	1,407	1,753	1,396	4,083	2,517	3,427
21	1,456	1,824	1,445	4,120	2,596	3,457
22	1,511	1,893	1,501	4,150	2,668	3,485
23	1,570	1,960	1,560	4,175	2,734	3,511
24	1,631	2,025	1,621	4,196	2,795	3,535
25	1,693	2,088	1,683	4,214	2,851	3,558
26	1,755	2,149	1,746	4,229	2,902	3,579
27	1,816	2,207	1,807	4,241	2,950	3,598
28	1,877	2,263	1,868	4,251	2,994	3,617
29	1,936	2,317	1,928	4,259	3,036	3,634
30	1,994	2,368	1,986	4,266	3,074	3,651
31	2,050	2,417	2,042	4,271	3,110	3,666
32	2,104	2,464	2,097	4,275	3,144	3,681
33	2,157	2,510	2,149	4,279	3,176	3,694
34	2,208	2,553	2,200	4,282	3,206	3,708
35	2,256	2,594	2,249	4,284	3,234	3,720
36	2,303	2,634	2,296	4,285	3,261	3,732
37	2,349	2,672	2,342	4,286	3,286	3,743
38	2,392	2,709	2,385	4,287	3,310	3,754
39	2,434	2,744	2,428	4,287	3,333	3,765
40	2,474	2,777	2,468	4,288	3,354	3,774
41	2,513	2,809	2,507	4,287	3,375	3,784
42	2,550	2,840	2,544	4,287	3,395	3,793
43	2,586	2,870	2,580	4,287	3,413	3,802
44	2,621	2,899	2,615	4,286	3,431	3,810
45	2,654	2,926	2,648	4,285	3,448	3,818
46	2,686	2,952	2,680	4,285	3,464	3,826

Term to maturity (in years)	Euro (%)	Czech koruna (%)	Danish krone (%)	Forint (%)	Krona (%)	Kuna (%)
47	2,717	2,978	2,711	4,284	3,480	3,833
48	2,746	3,002	2,741	4,283	3,495	3,840
49	2,775	3,026	2,770	4,282	3,509	3,847
50	2,802	3,048	2,797	4,281	3,523	3,854
51	2,829	3,070	2,824	4,280	3,536	3,860
52	2,855	3,091	2,850	4,279	3,549	3,866
53	2,879	3,112	2,874	4,278	3,561	3,872
54	2,903	3,131	2,898	4,277	3,573	3,878
55	2,926	3,150	2,922	4,276	3,584	3,884
56	2,949	3,169	2,944	4,274	3,595	3,889
57	2,970	3,186	2,966	4,273	3,606	3,894
58	2,991	3,204	2,986	4,272	3,616	3,899
59	3,011	3,220	3,007	4,271	3,626	3,904
60	3,031	3,236	3,026	4,270	3,636	3,909
61	3,049	3,252	3,045	4,269	3,645	3,914
62	3,068	3,267	3,064	4,268	3,654	3,918
63	3,086	3,282	3,081	4,267	3,662	3,922
64	3,103	3,296	3,099	4,267	3,671	3,927
65	3,119	3,309	3,115	4,266	3,679	3,931
66	3,136	3,323	3,132	4,265	3,687	3,935
67	3,151	3,336	3,148	4,264	3,694	3,939
68	3,167	3,348	3,163	4,263	3,702	3,942
69	3,182	3,361	3,178	4,262	3,709	3,946
70	3,196	3,373	3,192	4,261	3,716	3,949
71	3,210	3,384	3,206	4,260	3,723	3,953
72	3,224	3,395	3,220	4,260	3,729	3,956
73	3,237	3,406	3,233	4,259	3,736	3,960
74	3,250	3,417	3,246	4,258	3,742	3,963
75	3,262	3,427	3,259	4,257	3,748	3,966
76	3,275	3,437	3,271	4,257	3,754	3,969
77	3,287	3,447	3,283	4,256	3,760	3,972
78	3,298	3,457	3,295	4,255	3,766	3,975
79	3,310	3,466	3,306	4,255	3,771	3,978
80	3,321	3,475	3,318	4,254	3,776	3,980
81	3,332	3,484	3,328	4,253	3,782	3,983
82	3,342	3,493	3,339	4,253	3,787	3,986
83	3,352	3,501	3,349	4,252	3,792	3,988
84	3,362	3,510	3,359	4,251	3,797	3,991
85	3,372	3,518	3,369	4,251	3,801	3,993
86	3,382	3,526	3,379	4,250	3,806	3,995
87	3,391	3,533	3,388	4,250	3,810	3,998
88	3,400	3,541	3,397	4,249	3,815	4,000
89	3,409	3,548	3,406	4,248	3,819	4,002
90	3,418	3,556	3,415	4,248	3,823	4,004
91	3,427	3,563	3,424	4,247	3,827	4,007
92	3,435	3,569	3,432	4,247	3,832	4,009
93	3,443	3,576	3,440	4,246	3,835	4,011
94	3,451	3,583	3,448	4,246	3,839	4,013
95	3,459	3,589	3,456	4,245	3,843	4,015
96	3,467	3,596	3,464	4,245	3,847	4,017

Term to maturity (in years)	Euro (%)	Czech koruna (%)	Danish krone (%)	Forint (%)	Krona (%)	Kuna (%)
97	3,474	3,602	3,472	4,245	3,850	4,018
98	3,482	3,608	3,479	4,244	3,854	4,020
99	3,489	3,614	3,486	4,244	3,858	4,022
100	3,496	3,620	3,493	4,243	3,861	4,024
101	3,503	3,626	3,500	4,243	3,864	4,026
102	3,510	3,631	3,507	4,242	3,868	4,027
103	3,516	3,637	3,514	4,242	3,871	4,029
104	3,523	3,642	3,520	4,242	3,874	4,031
105	3,529	3,647	3,527	4,241	3,877	4,032
106	3,536	3,653	3,533	4,241	3,880	4,034
107	3,542	3,658	3,539	4,240	3,883	4,035
108	3,548	3,663	3,546	4,240	3,886	4,037
109	3,554	3,668	3,552	4,240	3,889	4,038
110	3,560	3,672	3,557	4,239	3,892	4,040
111	3,566	3,677	3,563	4,239	3,895	4,041
112	3,571	3,682	3,569	4,239	3,897	4,043
113	3,577	3,686	3,574	4,238	3,900	4,044
114	3,582	3,691	3,580	4,238	3,903	4,045
115	3,588	3,695	3,585	4,238	3,905	4,047
116	3,593	3,700	3,591	4,237	3,908	4,048
117	3,598	3,704	3,596	4,237	3,910	4,049
118	3,603	3,708	3,601	4,237	3,913	4,051
119	3,608	3,712	3,606	4,236	3,915	4,052
120	3,613	3,716	3,611	4,236	3,917	4,053
121	3,618	3,720	3,616	4,236	3,920	4,054
122	3,623	3,724	3,620	4,235	3,922	4,056
123	3,627	3,728	3,625	4,235	3,924	4,057
124	3,632	3,732	3,630	4,235	3,926	4,058
125	3,636	3,736	3,634	4,235	3,929	4,059
126	3,641	3,739	3,639	4,234	3,931	4,060
127	3,645	3,743	3,643	4,234	3,933	4,061
128	3,650	3,746	3,648	4,234	3,935	4,062
129	3,654	3,750	3,652	4,233	3,937	4,063
130	3,658	3,753	3,656	4,233	3,939	4,064
131	3,662	3,757	3,660	4,233	3,941	4,065
132	3,666	3,760	3,664	4,233	3,943	4,066
133	3,670	3,763	3,668	4,232	3,945	4,067
134	3,674	3,767	3,672	4,232	3,947	4,068
135	3,678	3,770	3,676	4,232	3,949	4,069
136	3,682	3,773	3,680	4,232	3,951	4,070
137	3,686	3,776	3,684	4,232	3,952	4,071
138	3,689	3,779	3,687	4,231	3,954	4,072
139	3,693	3,782	3,691	4,231	3,956	4,073
140	3,697	3,785	3,695	4,231	3,958	4,074
141	3,700	3,788	3,698	4,231	3,959	4,075
142	3,704	3,791	3,702	4,230	3,961	4,076
143	3,707	3,794	3,705	4,230	3,963	4,077
144	3,711	3,797	3,709	4,230	3,964	4,078
145	3,714	3,799	3,712	4,230	3,966	4,078
146	3,717	3,802	3,715	4,230	3,968	4,079

Term to maturity (in years)	Euro (%)	Czech koruna (%)	Danish krone (%)	Forint (%)	Krona (%)	Kuna (%)
147	3,721	3,805	3,719	4,229	3,969	4,080
148	3,724	3,808	3,722	4,229	3,971	4,081
149	3,727	3,810	3,725	4,229	3,972	4,082
150	3,730	3,813	3,728	4,229	3,974	4,082

Term to maturity (in years)	Lev (%)	Pound sterling (%)	Romanian leu (%)	Zloty (%)	Króna (%)	Norwegian krone (%)
1	- 0,385	0,394	0,852	1,460	4,483	0,820
2	- 0,275	0,534	1,406	1,759	4,530	1,026
3	- 0,148	0,643	1,885	2,047	4,580	1,152
4	- 0,013	0,745	2,308	2,339	4,568	1,279
5	0,122	0,839	2,689	2,580	4,538	1,408
6	0,262	0,927	3,027	2,738	4,520	1,526
7	0,395	1,006	3,314	2,891	4,522	1,636
8	0,526	1,078	3,553	3,021	4,530	1,735
9	0,651	1,145	3,769	3,095	4,535	1,820
10	0,766	1,210	3,965	3,209	4,537	1,889
11	0,868	1,267	4,121	3,317	4,536	1,959
12	0,960	1,318	4,241	3,406	4,534	2,030
13	1,043	1,354	4,333	3,480	4,530	2,102
14	1,115	1,390	4,404	3,543	4,526	2,172
15	1,172	1,427	4,459	3,597	4,521	2,241
16	1,213	1,437	4,502	3,644	4,515	2,307
17	1,246	1,455	4,534	3,685	4,510	2,371
18	1,278	1,470	4,559	3,721	4,504	2,432
19	1,313	1,480	4,577	3,753	4,498	2,490
20	1,354	1,501	4,590	3,781	4,492	2,546
21	1,404	1,513	4,599	3,806	4,486	2,600
22	1,460	1,514	4,605	3,829	4,480	2,650
23	1,520	1,510	4,608	3,849	4,474	2,699
24	1,582	1,504	4,609	3,867	4,468	2,745
25	1,645	1,498	4,609	3,884	4,462	2,789
26	1,709	1,493	4,607	3,899	4,457	2,830
27	1,772	1,490	4,603	3,913	4,451	2,870
28	1,833	1,486	4,599	3,926	4,446	2,908
29	1,894	1,481	4,595	3,938	4,441	2,945
30	1,953	1,473	4,589	3,949	4,436	2,979
31	2,010	1,464	4,584	3,959	4,431	3,012
32	2,065	1,453	4,578	3,968	4,426	3,044
33	2,119	1,442	4,572	3,977	4,421	3,074
34	2,170	1,431	4,565	3,985	4,417	3,103
35	2,220	1,420	4,559	3,993	4,412	3,130
36	2,268	1,410	4,553	4,000	4,408	3,157
37	2,314	1,401	4,546	4,006	4,404	3,182
38	2,359	1,392	4,540	4,012	4,400	3,206
39	2,401	1,382	4,534	4,018	4,396	3,229
40	2,442	1,372	4,527	4,023	4,392	3,251
41	2,482	1,361	4,521	4,029	4,388	3,273
42	2,520	1,349	4,515	4,033	4,385	3,293

Term to maturity (in years)	Lev (%)	Pound sterling (%)	Romanian leu (%)	Zloty (%)	Króna (%)	Norwegian krone (%)
43	2,556	1,337	4,509	4,038	4,381	3,313
44	2,591	1,325	4,504	4,042	4,378	3,332
45	2,625	1,313	4,498	4,046	4,375	3,350
46	2,658	1,302	4,493	4,050	4,372	3,367
47	2,689	1,293	4,487	4,054	4,369	3,384
48	2,719	1,288	4,482	4,057	4,366	3,400
49	2,749	1,288	4,477	4,061	4,363	3,416
50	2,777	1,295	4,472	4,064	4,360	3,431
51	2,804	1,307	4,467	4,067	4,357	3,445
52	2,830	1,326	4,463	4,070	4,354	3,459
53	2,855	1,348	4,458	4,073	4,352	3,473
54	2,879	1,374	4,454	4,075	4,349	3,486
55	2,903	1,403	4,449	4,078	4,347	3,499
56	2,925	1,433	4,445	4,080	4,345	3,511
57	2,947	1,465	4,441	4,083	4,342	3,523
58	2,969	1,498	4,437	4,085	4,340	3,534
59	2,989	1,531	4,433	4,087	4,338	3,545
60	3,009	1,565	4,430	4,089	4,336	3,556
61	3,028	1,599	4,426	4,091	4,334	3,566
62	3,047	1,633	4,423	4,093	4,332	3,576
63	3,065	1,667	4,419	4,095	4,330	3,586
64	3,082	1,701	4,416	4,097	4,328	3,595
65	3,100	1,734	4,413	4,098	4,326	3,605
66	3,116	1,767	4,409	4,100	4,324	3,613
67	3,132	1,800	4,406	4,101	4,322	3,622
68	3,148	1,831	4,403	4,103	4,321	3,631
69	3,163	1,863	4,401	4,105	4,319	3,639
70	3,177	1,894	4,398	4,106	4,317	3,647
71	3,192	1,924	4,395	4,107	4,316	3,654
72	3,206	1,953	4,392	4,109	4,314	3,662
73	3,219	1,982	4,390	4,110	4,313	3,669
74	3,232	2,011	4,387	4,111	4,311	3,676
75	3,245	2,039	4,385	4,113	4,310	3,683
76	3,258	2,066	4,382	4,114	4,308	3,690
77	3,270	2,093	4,380	4,115	4,307	3,697
78	3,282	2,119	4,378	4,116	4,306	3,703
79	3,293	2,144	4,375	4,117	4,304	3,709
80	3,305	2,169	4,373	4,118	4,303	3,715
81	3,316	2,193	4,371	4,119	4,302	3,721
82	3,326	2,217	4,369	4,120	4,301	3,727
83	3,337	2,241	4,367	4,121	4,300	3,733
84	3,347	2,263	4,365	4,122	4,298	3,738
85	3,357	2,286	4,363	4,123	4,297	3,744
86	3,367	2,308	4,361	4,124	4,296	3,749
87	3,376	2,329	4,359	4,125	4,295	3,754
88	3,386	2,350	4,358	4,126	4,294	3,759
89	3,395	2,370	4,356	4,127	4,293	3,764
90	3,404	2,390	4,354	4,128	4,292	3,769
91	3,412	2,410	4,352	4,128	4,291	3,774
92	3,421	2,429	4,351	4,129	4,290	3,778

Term to maturity (in years)	Lev (%)	Pound sterling (%)	Romanian leu (%)	Zloty (%)	Króna (%)	Norwegian krone (%)
93	3,429	2,448	4,349	4,130	4,289	3,783
94	3,437	2,466	4,348	4,131	4,288	3,787
95	3,445	2,484	4,346	4,131	4,287	3,792
96	3,453	2,502	4,345	4,132	4,286	3,796
97	3,461	2,519	4,343	4,133	4,285	3,800
98	3,468	2,536	4,342	4,134	4,284	3,804
99	3,476	2,553	4,340	4,134	4,284	3,808
100	3,483	2,569	4,339	4,135	4,283	3,812
101	3,490	2,585	4,337	4,136	4,282	3,816
102	3,497	2,601	4,336	4,136	4,281	3,820
103	3,504	2,616	4,335	4,137	4,280	3,823
104	3,510	2,631	4,333	4,137	4,280	3,827
105	3,517	2,646	4,332	4,138	4,279	3,830
106	3,523	2,661	4,331	4,139	4,278	3,834
107	3,530	2,675	4,330	4,139	4,277	3,837
108	3,536	2,689	4,328	4,140	4,277	3,841
109	3,542	2,703	4,327	4,140	4,276	3,844
110	3,548	2,716	4,326	4,141	4,275	3,847
111	3,554	2,730	4,325	4,141	4,275	3,850
112	3,560	2,743	4,324	4,142	4,274	3,853
113	3,565	2,755	4,323	4,143	4,273	3,857
114	3,571	2,768	4,322	4,143	4,273	3,860
115	3,576	2,780	4,321	4,144	4,272	3,862
116	3,582	2,793	4,320	4,144	4,271	3,865
117	3,587	2,805	4,319	4,144	4,271	3,868
118	3,592	2,816	4,318	4,145	4,270	3,871
119	3,597	2,828	4,317	4,145	4,270	3,874
120	3,602	2,839	4,316	4,146	4,269	3,877
121	3,607	2,850	4,315	4,146	4,268	3,879
122	3,612	2,861	4,314	4,147	4,268	3,882
123	3,617	2,872	4,313	4,147	4,267	3,884
124	3,621	2,883	4,312	4,148	4,267	3,887
125	3,626	2,893	4,311	4,148	4,266	3,889
126	3,630	2,904	4,310	4,148	4,266	3,892
127	3,635	2,914	4,309	4,149	4,265	3,894
128	3,639	2,924	4,308	4,149	4,265	3,897
129	3,644	2,934	4,308	4,150	4,264	3,899
130	3,648	2,943	4,307	4,150	4,264	3,901
131	3,652	2,953	4,306	4,150	4,263	3,904
132	3,656	2,962	4,305	4,151	4,263	3,906
133	3,660	2,971	4,304	4,151	4,262	3,908
134	3,664	2,980	4,304	4,152	4,262	3,910
135	3,668	2,989	4,303	4,152	4,261	3,912
136	3,672	2,998	4,302	4,152	4,261	3,915
137	3,676	3,007	4,301	4,153	4,260	3,917
138	3,680	3,016	4,301	4,153	4,260	3,919
139	3,684	3,024	4,300	4,153	4,260	3,921
140	3,687	3,032	4,299	4,154	4,259	3,923
141	3,691	3,041	4,298	4,154	4,259	3,925
142	3,695	3,049	4,298	4,154	4,258	3,927



Term to maturity (in years)	Lev (%)	Pound sterling (%)	Romanian leu (%)	Zloty (%)	Króna (%)	Norwegian krone (%)
143	3,698	3,057	4,297	4,155	4,258	3,928
144	3,702	3,065	4,296	4,155	4,258	3,930
145	3,705	3,073	4,296	4,155	4,257	3,932
146	3,708	3,080	4,295	4,156	4,257	3,934
147	3,712	3,088	4,294	4,156	4,256	3,936
148	3,715	3,095	4,294	4,156	4,256	3,938
149	3,718	3,103	4,293	4,156	4,256	3,939
150	3,721	3,110	4,292	4,157	4,255	3,941

Term to maturity (in years)	Swiss franc (%)	Australian dollar (%)	Baht (%)	Canadian dollar (%)	Chilean peso (%)	Colombian peso (%)
1	- 0,735	1,724	1,350	1,067	2,223	4,303
2	- 0,643	1,881	1,461	1,220	2,510	4,722
3	- 0,546	2,041	1,599	1,349	2,769	5,055
4	- 0,439	2,179	1,759	1,459	3,033	5,289
5	- 0,327	2,303	1,900	1,554	3,269	5,442
6	- 0,221	2,416	2,014	1,625	3,497	5,582
7	- 0,116	2,511	2,111	1,695	3,687	5,683
8	- 0,018	2,594	2,197	1,765	3,823	5,859
9	0,072	2,670	2,272	1,842	3,918	6,002
10	0,152	2,742	2,337	1,908	3,989	6,130
11	0,203	2,808	2,393	1,982	4,043	6,221
12	0,270	2,867	2,442	2,058	4,087	6,274
13	0,311	2,920	2,485	2,128	4,122	6,301
14	0,370	2,967	2,525	2,189	4,150	6,308
15	0,394	3,006	2,566	2,243	4,173	6,300
16	0,420	3,038	2,608	2,288	4,192	6,281
17	0,453	3,065	2,651	2,324	4,207	6,254
18	0,487	3,089	2,693	2,349	4,220	6,220
19	0,516	3,110	2,736	2,362	4,231	6,183
20	0,537	3,130	2,778	2,362	4,239	6,142
21	0,550	3,150	2,818	2,349	4,247	6,100
22	0,558	3,167	2,858	2,329	4,253	6,056
23	0,566	3,182	2,896	2,305	4,257	6,012
24	0,579	3,193	2,933	2,282	4,261	5,968
25	0,600	3,200	2,969	2,260	4,265	5,924
26	0,629	3,204	3,003	2,242	4,267	5,881
27	0,665	3,204	3,036	2,230	4,269	5,838
28	0,706	3,205	3,068	2,223	4,271	5,797
29	0,750	3,206	3,098	2,222	4,272	5,756
30	0,797	3,209	3,127	2,228	4,273	5,717
31	0,844	3,215	3,155	2,241	4,274	5,679
32	0,893	3,223	3,182	2,259	4,274	5,642
33	0,941	3,233	3,208	2,282	4,274	5,606
34	0,989	3,245	3,233	2,307	4,274	5,571
35	1,037	3,257	3,256	2,335	4,274	5,538
36	1,083	3,271	3,279	2,364	4,274	5,506
37	1,129	3,285	3,301	2,395	4,273	5,475
38	1,174	3,299	3,322	2,426	4,273	5,445

Term to maturity (in years)	Swiss franc (%)	Australian dollar (%)	Baht (%)	Canadian dollar (%)	Chilean peso (%)	Colombian peso (%)
39	1,217	3,314	3,342	2,457	4,272	5,417
40	1,260	3,329	3,361	2,489	4,272	5,389
41	1,301	3,344	3,380	2,520	4,271	5,363
42	1,341	3,359	3,398	2,551	4,270	5,337
43	1,379	3,373	3,415	2,582	4,270	5,312
44	1,417	3,388	3,432	2,612	4,269	5,289
45	1,453	3,402	3,448	2,641	4,268	5,266
46	1,488	3,416	3,463	2,670	4,267	5,244
47	1,521	3,430	3,478	2,698	4,266	5,223
48	1,554	3,443	3,492	2,726	4,266	5,202
49	1,586	3,456	3,506	2,753	4,265	5,182
50	1,616	3,469	3,519	2,779	4,264	5,163
51	1,646	3,482	3,532	2,804	4,263	5,145
52	1,674	3,494	3,544	2,829	4,262	5,127
53	1,702	3,506	3,556	2,853	4,261	5,110
54	1,729	3,518	3,567	2,876	4,261	5,094
55	1,755	3,529	3,579	2,899	4,260	5,078
56	1,780	3,540	3,589	2,921	4,259	5,062
57	1,804	3,551	3,600	2,942	4,258	5,048
58	1,827	3,561	3,610	2,963	4,257	5,033
59	1,850	3,572	3,620	2,983	4,257	5,019
60	1,872	3,582	3,629	3,002	4,256	5,006
61	1,893	3,591	3,638	3,021	4,255	4,993
62	1,914	3,601	3,647	3,040	4,254	4,980
63	1,934	3,610	3,656	3,058	4,254	4,968
64	1,954	3,619	3,664	3,075	4,253	4,956
65	1,972	3,627	3,672	3,092	4,252	4,944
66	1,991	3,636	3,680	3,108	4,252	4,933
67	2,009	3,644	3,688	3,124	4,251	4,922
68	2,026	3,652	3,695	3,140	4,250	4,911
69	2,043	3,659	3,703	3,155	4,250	4,901
70	2,059	3,667	3,710	3,170	4,249	4,891
71	2,075	3,674	3,716	3,184	4,248	4,881
72	2,090	3,681	3,723	3,198	4,248	4,872
73	2,106	3,688	3,730	3,211	4,247	4,863
74	2,120	3,695	3,736	3,225	4,247	4,854
75	2,135	3,702	3,742	3,238	4,246	4,845
76	2,148	3,708	3,748	3,250	4,245	4,836
77	2,162	3,715	3,754	3,262	4,245	4,828
78	2,175	3,721	3,759	3,274	4,244	4,820
79	2,188	3,727	3,765	3,286	4,244	4,812
80	2,201	3,733	3,770	3,297	4,243	4,805
81	2,213	3,738	3,776	3,308	4,243	4,797
82	2,225	3,744	3,781	3,319	4,242	4,790
83	2,237	3,749	3,786	3,330	4,242	4,783
84	2,248	3,755	3,791	3,340	4,241	4,776
85	2,259	3,760	3,796	3,350	4,241	4,769
86	2,270	3,765	3,800	3,360	4,240	4,762
87	2,281	3,770	3,805	3,369	4,240	4,756
88	2,291	3,775	3,809	3,379	4,239	4,750

Term to maturity (in years)	Swiss franc (%)	Australian dollar (%)	Baht (%)	Canadian dollar (%)	Chilean peso (%)	Colombian peso (%)
89	2,301	3,780	3,814	3,388	4,239	4,743
90	2,311	3,784	3,818	3,397	4,239	4,737
91	2,321	3,789	3,822	3,406	4,238	4,731
92	2,330	3,793	3,826	3,414	4,238	4,726
93	2,340	3,798	3,830	3,423	4,237	4,720
94	2,349	3,802	3,834	3,431	4,237	4,714
95	2,358	3,806	3,838	3,439	4,237	4,709
96	2,366	3,810	3,842	3,447	4,236	4,704
97	2,375	3,814	3,845	3,455	4,236	4,698
98	2,383	3,818	3,849	3,462	4,236	4,693
99	2,392	3,822	3,853	3,470	4,235	4,688
100	2,400	3,826	3,856	3,477	4,235	4,684
101	2,408	3,829	3,859	3,484	4,235	4,679
102	2,415	3,833	3,863	3,491	4,234	4,674
103	2,423	3,837	3,866	3,498	4,234	4,669
104	2,430	3,840	3,869	3,505	4,234	4,665
105	2,438	3,843	3,872	3,511	4,233	4,660
106	2,445	3,847	3,876	3,518	4,233	4,656
107	2,452	3,850	3,879	3,524	4,233	4,652
108	2,459	3,853	3,882	3,530	4,232	4,648
109	2,465	3,857	3,884	3,536	4,232	4,643
110	2,472	3,860	3,887	3,542	4,232	4,639
111	2,479	3,863	3,890	3,548	4,231	4,635
112	2,485	3,866	3,893	3,554	4,231	4,632
113	2,491	3,869	3,896	3,560	4,231	4,628
114	2,498	3,872	3,898	3,565	4,231	4,624
115	2,504	3,874	3,901	3,571	4,230	4,620
116	2,510	3,877	3,903	3,576	4,230	4,617
117	2,516	3,880	3,906	3,582	4,230	4,613
118	2,521	3,883	3,908	3,587	4,230	4,610
119	2,527	3,885	3,911	3,592	4,229	4,606
120	2,533	3,888	3,913	3,597	4,229	4,603
121	2,538	3,891	3,916	3,602	4,229	4,599
122	2,543	3,893	3,918	3,607	4,229	4,596
123	2,549	3,896	3,920	3,612	4,228	4,593
124	2,554	3,898	3,923	3,616	4,228	4,590
125	2,559	3,900	3,925	3,621	4,228	4,587
126	2,564	3,903	3,927	3,626	4,228	4,584
127	2,569	3,905	3,929	3,630	4,227	4,581
128	2,574	3,907	3,931	3,635	4,227	4,578
129	2,579	3,910	3,933	3,639	4,227	4,575
130	2,584	3,912	3,935	3,643	4,227	4,572
131	2,588	3,914	3,937	3,648	4,227	4,569
132	2,593	3,916	3,939	3,652	4,226	4,566
133	2,598	3,918	3,941	3,656	4,226	4,563
134	2,602	3,920	3,943	3,660	4,226	4,561
135	2,607	3,923	3,945	3,664	4,226	4,558
136	2,611	3,925	3,947	3,668	4,226	4,555
137	2,615	3,927	3,949	3,672	4,225	4,553
138	2,619	3,929	3,951	3,675	4,225	4,550

Term to maturity (in years)	Swiss franc (%)	Australian dollar (%)	Baht (%)	Canadian dollar (%)	Chilean peso (%)	Colombian peso (%)
139	2,624	3,931	3,952	3,679	4,225	4,548
140	2,628	3,932	3,954	3,683	4,225	4,545
141	2,632	3,934	3,956	3,687	4,225	4,543
142	2,636	3,936	3,958	3,690	4,225	4,540
143	2,640	3,938	3,959	3,694	4,224	4,538
144	2,644	3,940	3,961	3,697	4,224	4,536
145	2,647	3,942	3,963	3,701	4,224	4,533
146	2,651	3,943	3,964	3,704	4,224	4,531
147	2,655	3,945	3,966	3,708	4,224	4,529
148	2,659	3,947	3,967	3,711	4,224	4,526
149	2,662	3,949	3,969	3,714	4,223	4,524
150	2,666	3,950	3,971	3,717	4,223	4,522

Term to maturity (in years)	Hong Kong dollar (%)	Indian rupee (%)	Mexican peso (%)	New Taiwan dollar (%)	New Zealand dollar (%)	Rand (%)
1	0,944	6,002	7,054	0,402	1,886	7,022
2	1,167	6,058	6,695	0,497	2,124	6,964
3	1,361	6,130	6,565	0,580	2,344	7,051
4	1,484	6,214	6,572	0,656	2,529	7,199
5	1,595	6,295	6,645	0,731	2,690	7,362
6	1,687	6,376	6,766	0,816	2,829	7,529
7	1,766	6,434	6,887	0,877	2,949	7,688
8	1,838	6,492	6,979	0,947	3,049	7,839
9	1,902	6,538	7,057	1,014	3,138	7,979
10	1,959	6,569	7,136	1,078	3,211	8,100
11	2,007	6,583	7,223	1,154	3,280	8,204
12	2,045	6,584	7,315	1,239	3,342	8,287
13	2,075	6,575	7,407	1,329	3,394	8,346
14	2,102	6,560	7,496	1,421	3,442	8,380
15	2,133	6,540	7,580	1,512	3,493	8,392
16	2,171	6,516	7,657	1,601	3,549	8,383
17	2,214	6,490	7,725	1,688	3,607	8,356
18	2,261	6,462	7,780	1,772	3,665	8,317
19	2,309	6,434	7,821	1,853	3,719	8,268
20	2,358	6,405	7,844	1,930	3,768	8,212
21	2,407	6,375	7,850	2,004	3,811	8,151
22	2,456	6,346	7,841	2,074	3,848	8,087
23	2,504	6,318	7,820	2,142	3,880	8,021
24	2,550	6,289	7,790	2,206	3,908	7,953
25	2,595	6,262	7,753	2,267	3,932	7,886
26	2,639	6,235	7,711	2,325	3,954	7,819
27	2,682	6,208	7,665	2,381	3,973	7,752
28	2,723	6,183	7,616	2,434	3,989	7,687
29	2,762	6,158	7,566	2,484	4,004	7,623
30	2,800	6,134	7,515	2,532	4,017	7,561
31	2,837	6,111	7,464	2,578	4,029	7,501
32	2,872	6,089	7,413	2,622	4,040	7,442
33	2,906	6,067	7,363	2,664	4,049	7,386
34	2,938	6,046	7,313	2,703	4,057	7,331

Term to maturity (in years)	Hong Kong dollar (%)	Indian rupee (%)	Mexican peso (%)	New Taiwan dollar (%)	New Zealand dollar (%)	Rand (%)
35	2,969	6,026	7,264	2,742	4,065	7,278
36	2,999	6,007	7,217	2,778	4,072	7,228
37	3,028	5,988	7,170	2,813	4,078	7,179
38	3,055	5,970	7,125	2,846	4,084	7,132
39	3,082	5,953	7,082	2,878	4,089	7,086
40	3,107	5,936	7,040	2,909	4,094	7,043
41	3,132	5,920	6,999	2,938	4,098	7,001
42	3,155	5,904	6,959	2,966	4,102	6,961
43	3,178	5,889	6,921	2,993	4,105	6,922
44	3,199	5,875	6,884	3,019	4,109	6,885
45	3,220	5,861	6,849	3,044	4,112	6,849
46	3,240	5,848	6,815	3,068	4,115	6,814
47	3,260	5,835	6,782	3,091	4,117	6,781
48	3,278	5,822	6,750	3,113	4,120	6,749
49	3,296	5,810	6,719	3,135	4,122	6,718
50	3,314	5,799	6,690	3,155	4,124	6,688
51	3,330	5,788	6,661	3,175	4,126	6,660
52	3,347	5,777	6,633	3,194	4,128	6,632
53	3,362	5,766	6,607	3,213	4,130	6,605
54	3,377	5,756	6,581	3,230	4,131	6,580
55	3,392	5,746	6,556	3,248	4,133	6,555
56	3,406	5,737	6,532	3,264	4,134	6,531
57	3,419	5,728	6,509	3,280	4,136	6,508
58	3,433	5,719	6,487	3,296	4,137	6,485
59	3,445	5,710	6,465	3,311	4,138	6,463
60	3,458	5,702	6,444	3,326	4,140	6,443
61	3,470	5,694	6,424	3,340	4,141	6,422
62	3,481	5,686	6,404	3,353	4,142	6,402
63	3,493	5,678	6,385	3,367	4,143	6,383
64	3,503	5,671	6,366	3,379	4,144	6,365
65	3,514	5,664	6,348	3,392	4,145	6,347
66	3,524	5,657	6,331	3,404	4,146	6,330
67	3,534	5,650	6,314	3,416	4,147	6,313
68	3,544	5,643	6,298	3,427	4,148	6,296
69	3,553	5,637	6,282	3,438	4,148	6,280
70	3,563	5,631	6,266	3,449	4,149	6,265
71	3,571	5,625	6,251	3,460	4,150	6,250
72	3,580	5,619	6,236	3,470	4,151	6,235
73	3,589	5,613	6,222	3,480	4,151	6,221
74	3,597	5,608	6,208	3,489	4,152	6,207
75	3,605	5,602	6,195	3,499	4,153	6,194
76	3,613	5,597	6,182	3,508	4,154	6,181
77	3,620	5,592	6,169	3,517	4,154	6,168
78	3,628	5,587	6,156	3,526	4,155	6,155
79	3,635	5,582	6,144	3,534	4,155	6,143
80	3,642	5,577	6,132	3,542	4,156	6,131
81	3,649	5,573	6,121	3,550	4,156	6,120
82	3,655	5,568	6,110	3,558	4,157	6,109
83	3,662	5,564	6,099	3,566	4,158	6,098
84	3,668	5,559	6,088	3,574	4,158	6,087

Term to maturity (in years)	Hong Kong dollar (%)	Indian rupee (%)	Mexican peso (%)	New Taiwan dollar (%)	New Zealand dollar (%)	Rand (%)
85	3,674	5,555	6,077	3,581	4,159	6,076
86	3,681	5,551	6,067	3,588	4,159	6,066
87	3,687	5,547	6,057	3,595	4,160	6,056
88	3,692	5,543	6,047	3,602	4,160	6,046
89	3,698	5,539	6,038	3,609	4,160	6,037
90	3,704	5,535	6,028	3,615	4,161	6,028
91	3,709	5,532	6,019	3,622	4,161	6,018
92	3,714	5,528	6,010	3,628	4,162	6,010
93	3,720	5,525	6,002	3,634	4,162	6,001
94	3,725	5,521	5,993	3,640	4,163	5,992
95	3,730	5,518	5,985	3,646	4,163	5,984
96	3,735	5,514	5,976	3,652	4,163	5,976
97	3,739	5,511	5,968	3,657	4,164	5,968
98	3,744	5,508	5,961	3,663	4,164	5,960
99	3,749	5,505	5,953	3,668	4,165	5,952
100	3,753	5,502	5,945	3,673	4,165	5,945
101	3,757	5,499	5,938	3,679	4,165	5,937
102	3,762	5,496	5,931	3,684	4,166	5,930
103	3,766	5,493	5,924	3,689	4,166	5,923
104	3,770	5,490	5,917	3,694	4,166	5,916
105	3,774	5,487	5,910	3,698	4,167	5,909
106	3,778	5,485	5,903	3,703	4,167	5,902
107	3,782	5,482	5,896	3,708	4,167	5,896
108	3,786	5,479	5,890	3,712	4,167	5,889
109	3,790	5,477	5,884	3,717	4,168	5,883
110	3,794	5,474	5,877	3,721	4,168	5,877
111	3,797	5,472	5,871	3,726	4,168	5,871
112	3,801	5,469	5,865	3,730	4,169	5,865
113	3,804	5,467	5,859	3,734	4,169	5,859
114	3,808	5,465	5,853	3,738	4,169	5,853
115	3,811	5,462	5,848	3,742	4,169	5,847
116	3,815	5,460	5,842	3,746	4,170	5,842
117	3,818	5,458	5,837	3,750	4,170	5,836
118	3,821	5,456	5,831	3,754	4,170	5,831
119	3,824	5,454	5,826	3,757	4,170	5,825
120	3,827	5,451	5,821	3,761	4,171	5,820
121	3,830	5,449	5,816	3,765	4,171	5,815
122	3,834	5,447	5,811	3,768	4,171	5,810
123	3,836	5,445	5,806	3,772	4,171	5,805
124	3,839	5,443	5,801	3,775	4,172	5,800
125	3,842	5,441	5,796	3,779	4,172	5,795
126	3,845	5,439	5,791	3,782	4,172	5,790
127	3,848	5,438	5,786	3,785	4,172	5,786
128	3,851	5,436	5,782	3,788	4,173	5,781
129	3,853	5,434	5,777	3,792	4,173	5,777
130	3,856	5,432	5,773	3,795	4,173	5,772
131	3,859	5,430	5,768	3,798	4,173	5,768
132	3,861	5,429	5,764	3,801	4,173	5,764
133	3,864	5,427	5,760	3,804	4,174	5,759
134	3,866	5,425	5,756	3,807	4,174	5,755

Term to maturity (in years)	Hong Kong dollar (%)	Indian rupee (%)	Mexican peso (%)	New Taiwan dollar (%)	New Zealand dollar (%)	Rand (%)
135	3,869	5,423	5,752	3,810	4,174	5,751
136	3,871	5,422	5,748	3,813	4,174	5,747
137	3,874	5,420	5,743	3,815	4,174	5,743
138	3,876	5,419	5,740	3,818	4,175	5,739
139	3,878	5,417	5,736	3,821	4,175	5,735
140	3,881	5,415	5,732	3,824	4,175	5,731
141	3,883	5,414	5,728	3,826	4,175	5,728
142	3,885	5,412	5,724	3,829	4,175	5,724
143	3,887	5,411	5,721	3,832	4,175	5,720
144	3,889	5,410	5,717	3,834	4,176	5,716
145	3,892	5,408	5,713	3,837	4,176	5,713
146	3,894	5,407	5,710	3,839	4,176	5,709
147	3,896	5,405	5,706	3,842	4,176	5,706
148	3,898	5,404	5,703	3,844	4,176	5,702
149	3,900	5,402	5,700	3,846	4,176	5,699
150	3,902	5,401	5,696	3,849	4,177	5,696

Term to maturity (in years)	Real (%)	Renminbi-yuan (%)	Ringgit (%)	Russian rouble (%)	Singapore dollar (%)	South Korean won (%)
1	7,977	3,223	3,316	8,615	0,905	1,362
2	8,464	3,283	3,389	8,162	1,141	1,464
3	9,003	3,381	3,465	7,941	1,339	1,533
4	9,289	3,475	3,505	7,803	1,509	1,594
5	9,460	3,545	3,559	7,694	1,653	1,639
6	9,583	3,702	3,617	7,630	1,787	1,670
7	9,679	3,852	3,676	7,587	1,909	1,699
8	9,730	3,926	3,737	7,541	2,015	1,731
9	9,750	3,951	3,795	7,487	2,103	1,761
10	9,766	3,958	3,849	7,424	2,171	1,786
11	9,751	3,962	3,898	7,352	2,219	1,804
12	9,707	3,967	3,945	7,274	2,260	1,815
13	9,641	3,971	3,994	7,192	2,298	1,820
14	9,560	3,976	4,045	7,109	2,332	1,818
15	9,469	3,981	4,097	7,025	2,358	1,813
16	9,370	3,985	4,148	6,942	2,375	1,805
17	9,267	3,990	4,196	6,859	2,387	1,799
18	9,161	3,995	4,241	6,779	2,399	1,798
19	9,054	3,999	4,280	6,701	2,414	1,806
20	8,947	4,003	4,314	6,625	2,433	1,824
21	8,842	4,008	4,341	6,551	2,458	1,852
22	8,738	4,012	4,363	6,480	2,487	1,889
23	8,636	4,016	4,380	6,412	2,520	1,931
24	8,538	4,020	4,394	6,346	2,555	1,976
25	8,442	4,024	4,404	6,283	2,591	2,024
26	8,349	4,027	4,412	6,223	2,627	2,073
27	8,260	4,031	4,418	6,165	2,664	2,123
28	8,173	4,035	4,422	6,109	2,700	2,173
29	8,090	4,038	4,425	6,056	2,736	2,222
30	8,011	4,041	4,426	6,004	2,771	2,270

Term to maturity (in years)	Real (%)	Renminbi-yuan (%)	Ringgit (%)	Russian rouble (%)	Singapore dollar (%)	South Korean won (%)
31	7,934	4,044	4,427	5,956	2,806	2,317
32	7,861	4,048	4,427	5,909	2,839	2,363
33	7,790	4,051	4,426	5,864	2,872	2,408
34	7,722	4,054	4,424	5,821	2,904	2,451
35	7,658	4,056	4,423	5,780	2,934	2,493
36	7,596	4,059	4,420	5,740	2,964	2,533
37	7,536	4,062	4,418	5,703	2,992	2,573
38	7,479	4,064	4,415	5,666	3,020	2,610
39	7,424	4,067	4,412	5,632	3,047	2,647
40	7,372	4,069	4,409	5,598	3,072	2,682
41	7,322	4,072	4,406	5,566	3,097	2,715
42	7,274	4,074	4,403	5,536	3,121	2,748
43	7,227	4,076	4,400	5,506	3,144	2,779
44	7,183	4,079	4,397	5,478	3,166	2,809
45	7,140	4,081	4,394	5,451	3,188	2,838
46	7,099	4,083	4,391	5,425	3,208	2,866
47	7,060	4,085	4,388	5,400	3,228	2,893
48	7,022	4,087	4,385	5,375	3,247	2,919
49	6,985	4,089	4,381	5,352	3,266	2,944
50	6,950	4,090	4,378	5,330	3,284	2,969
51	6,916	4,092	4,376	5,308	3,301	2,992
52	6,883	4,094	4,373	5,287	3,318	3,015
53	6,852	4,096	4,370	5,267	3,334	3,036
54	6,822	4,097	4,367	5,247	3,349	3,057
55	6,792	4,099	4,364	5,229	3,365	3,078
56	6,764	4,100	4,362	5,210	3,379	3,097
57	6,737	4,102	4,359	5,193	3,393	3,116
58	6,710	4,103	4,357	5,176	3,407	3,134
59	6,685	4,105	4,354	5,160	3,420	3,152
60	6,660	4,106	4,352	5,144	3,433	3,169
61	6,636	4,108	4,350	5,128	3,445	3,186
62	6,613	4,109	4,347	5,113	3,457	3,202
63	6,590	4,110	4,345	5,099	3,469	3,218
64	6,569	4,112	4,343	5,085	3,480	3,233
65	6,547	4,113	4,341	5,071	3,491	3,248
66	6,527	4,114	4,339	5,058	3,502	3,262
67	6,507	4,115	4,337	5,045	3,512	3,276
68	6,488	4,116	4,335	5,033	3,522	3,289
69	6,469	4,117	4,333	5,021	3,532	3,302
70	6,451	4,119	4,331	5,009	3,541	3,315
71	6,433	4,120	4,329	4,998	3,550	3,328
72	6,416	4,121	4,327	4,987	3,559	3,340
73	6,399	4,122	4,326	4,976	3,568	3,351
74	6,383	4,123	4,324	4,965	3,576	3,363
75	6,367	4,124	4,322	4,955	3,585	3,374
76	6,352	4,125	4,321	4,945	3,593	3,385
77	6,337	4,126	4,319	4,936	3,601	3,395
78	6,322	4,126	4,318	4,926	3,608	3,405
79	6,308	4,127	4,316	4,917	3,616	3,415
80	6,294	4,128	4,315	4,908	3,623	3,425



Term to maturity (in years)	Real (%)	Renminbi-yuan (%)	Ringgit (%)	Russian rouble (%)	Singapore dollar (%)	South Korean won (%)
81	6,280	4,129	4,314	4,899	3,630	3,435
82	6,267	4,130	4,312	4,891	3,637	3,444
83	6,254	4,131	4,311	4,882	3,644	3,453
84	6,242	4,131	4,309	4,874	3,650	3,462
85	6,229	4,132	4,308	4,866	3,657	3,471
86	6,217	4,133	4,307	4,859	3,663	3,479
87	6,206	4,134	4,306	4,851	3,669	3,487
88	6,194	4,134	4,305	4,844	3,675	3,495
89	6,183	4,135	4,303	4,836	3,681	3,503
90	6,172	4,136	4,302	4,829	3,687	3,511
91	6,161	4,137	4,301	4,822	3,693	3,518
92	6,151	4,137	4,300	4,815	3,698	3,526
93	6,140	4,138	4,299	4,809	3,703	3,533
94	6,130	4,139	4,298	4,802	3,709	3,540
95	6,121	4,139	4,297	4,796	3,714	3,547
96	6,111	4,140	4,296	4,790	3,719	3,554
97	6,101	4,140	4,295	4,784	3,724	3,560
98	6,092	4,141	4,294	4,778	3,729	3,567
99	6,083	4,142	4,293	4,772	3,733	3,573
100	6,074	4,142	4,292	4,766	3,738	3,580
101	6,066	4,143	4,291	4,760	3,743	3,586
102	6,057	4,143	4,290	4,755	3,747	3,592
103	6,049	4,144	4,289	4,750	3,751	3,598
104	6,041	4,144	4,288	4,744	3,756	3,603
105	6,033	4,145	4,288	4,739	3,760	3,609
106	6,025	4,145	4,287	4,734	3,764	3,615
107	6,017	4,146	4,286	4,729	3,768	3,620
108	6,009	4,146	4,285	4,724	3,772	3,625
109	6,002	4,147	4,284	4,719	3,776	3,631
110	5,995	4,147	4,284	4,715	3,780	3,636
111	5,987	4,148	4,283	4,710	3,784	3,641
112	5,980	4,148	4,282	4,705	3,787	3,646
113	5,973	4,149	4,281	4,701	3,791	3,651
114	5,967	4,149	4,281	4,696	3,795	3,656
115	5,960	4,150	4,280	4,692	3,798	3,660
116	5,953	4,150	4,279	4,688	3,802	3,665
117	5,947	4,150	4,279	4,684	3,805	3,670
118	5,940	4,151	4,278	4,680	3,808	3,674
119	5,934	4,151	4,277	4,676	3,812	3,678
120	5,928	4,152	4,277	4,672	3,815	3,683
121	5,922	4,152	4,276	4,668	3,818	3,687
122	5,916	4,152	4,275	4,664	3,821	3,691
123	5,910	4,153	4,275	4,660	3,824	3,695
124	5,905	4,153	4,274	4,656	3,827	3,699
125	5,899	4,154	4,274	4,653	3,830	3,703
126	5,893	4,154	4,273	4,649	3,833	3,707
127	5,888	4,154	4,272	4,645	3,836	3,711
128	5,882	4,155	4,272	4,642	3,839	3,715
129	5,877	4,155	4,271	4,639	3,842	3,719
130	5,872	4,155	4,271	4,635	3,844	3,722

Term to maturity (in years)	Real (%)	Renminbi-yuan (%)	Ringgit (%)	Russian rouble (%)	Singapore dollar (%)	South Korean won (%)
131	5,867	4,156	4,270	4,632	3,847	3,726
132	5,862	4,156	4,270	4,629	3,850	3,730
133	5,857	4,156	4,269	4,625	3,852	3,733
134	5,852	4,157	4,269	4,622	3,855	3,737
135	5,847	4,157	4,268	4,619	3,858	3,740
136	5,842	4,157	4,268	4,616	3,860	3,743
137	5,837	4,158	4,267	4,613	3,863	3,747
138	5,833	4,158	4,267	4,610	3,865	3,750
139	5,828	4,158	4,266	4,607	3,867	3,753
140	5,824	4,159	4,266	4,604	3,870	3,756
141	5,819	4,159	4,265	4,601	3,872	3,760
142	5,815	4,159	4,265	4,598	3,874	3,763
143	5,811	4,159	4,264	4,596	3,877	3,766
144	5,806	4,160	4,264	4,593	3,879	3,769
145	5,802	4,160	4,263	4,590	3,881	3,772
146	5,798	4,160	4,263	4,587	3,883	3,775
147	5,794	4,161	4,263	4,585	3,886	3,778
148	5,790	4,161	4,262	4,582	3,888	3,780
149	5,786	4,161	4,262	4,580	3,890	3,783
150	5,782	4,161	4,261	4,577	3,892	3,786

Term to maturity (in years)	Turkish lira (%)	US dollar (%)	Yen (%)
1	12,008	1,312	- 0,069
2	11,608	1,475	- 0,055
3	11,526	1,611	- 0,038
4	11,384	1,725	- 0,018
5	11,324	1,825	0,006
6	11,206	1,911	0,034
7	11,056	1,987	0,064
8	10,918	2,042	0,095
9	10,788	2,115	0,128
10	10,655	2,168	0,162
11	10,515	2,211	0,200
12	10,368	2,251	0,241
13	10,219	2,284	0,284
14	10,069	2,312	0,329
15	9,920	2,335	0,372
16	9,774	2,356	0,414
17	9,630	2,374	0,454
18	9,490	2,390	0,491
19	9,354	2,404	0,527
20	9,222	2,415	0,560
21	9,095	2,424	0,590
22	8,973	2,431	0,617
23	8,855	2,437	0,640
24	8,742	2,441	0,660
25	8,634	2,443	0,675

Term to maturity (in years)	Turkish lira (%)	US dollar (%)	Yen (%)
26	8,531	2,445	0,686
27	8,431	2,445	0,696
28	8,337	2,445	0,707
29	8,246	2,444	0,722
30	8,159	2,443	0,742
31	8,077	2,441	0,769
32	7,997	2,439	0,800
33	7,922	2,437	0,835
34	7,850	2,434	0,872
35	7,780	2,430	0,911
36	7,714	2,426	0,952
37	7,651	2,421	0,993
38	7,591	2,415	1,034
39	7,533	2,408	1,074
40	7,478	2,400	1,115
41	7,424	2,391	1,155
42	7,374	2,381	1,194
43	7,325	2,372	1,233
44	7,278	2,364	1,271
45	7,233	2,357	1,308
46	7,190	2,353	1,344
47	7,148	2,351	1,379
48	7,108	2,353	1,413
49	7,070	2,357	1,446
50	7,033	2,364	1,478
51	6,998	2,374	1,509
52	6,963	2,387	1,539
53	6,930	2,402	1,569
54	6,898	2,419	1,597
55	6,868	2,437	1,625
56	6,838	2,456	1,651
57	6,809	2,476	1,677
58	6,782	2,497	1,703
59	6,755	2,517	1,727
60	6,729	2,538	1,751
61	6,704	2,560	1,774
62	6,680	2,581	1,796
63	6,656	2,602	1,818
64	6,633	2,622	1,839
65	6,611	2,643	1,860
66	6,590	2,664	1,879
67	6,569	2,684	1,899
68	6,549	2,704	1,918
69	6,529	2,723	1,936
70	6,510	2,742	1,954
71	6,492	2,761	1,971
72	6,474	2,780	1,988
73	6,456	2,798	2,004
74	6,439	2,816	2,020
75	6,422	2,833	2,036

Term to maturity (in years)	Turkish lira (%)	US dollar (%)	Yen (%)
76	6,406	2,850	2,051
77	6,390	2,867	2,066
78	6,375	2,883	2,080
79	6,360	2,899	2,094
80	6,346	2,915	2,108
81	6,331	2,930	2,121
82	6,318	2,946	2,134
83	6,304	2,960	2,147
84	6,291	2,975	2,160
85	6,278	2,989	2,172
86	6,265	3,003	2,184
87	6,253	3,016	2,195
88	6,241	3,029	2,207
89	6,229	3,042	2,218
90	6,218	3,055	2,228
91	6,207	3,067	2,239
92	6,196	3,079	2,250
93	6,185	3,091	2,260
94	6,174	3,103	2,270
95	6,164	3,114	2,279
96	6,154	3,126	2,289
97	6,144	3,137	2,298
98	6,134	3,147	2,307
99	6,125	3,158	2,316
100	6,116	3,168	2,325
101	6,106	3,178	2,334
102	6,098	3,188	2,342
103	6,089	3,198	2,351
104	6,080	3,208	2,359
105	6,072	3,217	2,367
106	6,064	3,226	2,374
107	6,055	3,235	2,382
108	6,047	3,244	2,390
109	6,040	3,253	2,397
110	6,032	3,261	2,404
111	6,025	3,270	2,412
112	6,017	3,278	2,419
113	6,010	3,286	2,425
114	6,003	3,294	2,432
115	5,996	3,302	2,439
116	5,989	3,310	2,445
117	5,982	3,317	2,452
118	5,975	3,325	2,458
119	5,969	3,332	2,464
120	5,962	3,339	2,470
121	5,956	3,346	2,476
122	5,950	3,353	2,482
123	5,944	3,360	2,488
124	5,938	3,367	2,494
125	5,932	3,374	2,500

Term to maturity (in years)	Turkish lira (%)	US dollar (%)	Yen (%)
126	5,926	3,380	2,505
127	5,920	3,387	2,511
128	5,915	3,393	2,516
129	5,909	3,399	2,521
130	5,904	3,405	2,526
131	5,898	3,411	2,532
132	5,893	3,417	2,537
133	5,888	3,423	2,542
134	5,883	3,429	2,546
135	5,877	3,435	2,551
136	5,872	3,440	2,556
137	5,868	3,446	2,561
138	5,863	3,451	2,565
139	5,858	3,457	2,570
140	5,853	3,462	2,574
141	5,849	3,467	2,579
142	5,844	3,472	2,583
143	5,839	3,477	2,587
144	5,835	3,482	2,592
145	5,831	3,487	2,596
146	5,826	3,492	2,600
147	5,822	3,497	2,604
148	5,818	3,502	2,608
149	5,814	3,506	2,612
150	5,810	3,511	2,616

## 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	34	5	1	27	1
2	0	0	42	5	1	45	1
3	0	2	48	5	3	51	0
4	0	3	51	5	5	51	0
5	1	5	55	5	6	54	0
6	2	6	58	5	8	57	0
7	2	6	61	5	10	57	0
8	3	7	63	5	13	56	0
9	4	8	65	5	14	53	0
10	4	9	67	5	15	52	0

Duration (in years)	Estonia	Finland	France	Germany	Greece	Hungary	Ireland
1	0	0	0	0	427	4	18
2	0	0	0	0	260	4	25
3	2	0	0	0	229	4	28
4	3	0	0	0	198	4	29
5	5	0	0	0	180	4	30
6	6	0	0	0	177	4	31
7	6	0	0	0	173	4	32
8	7	1	2	0	178	2	33
9	8	1	3	0	180	1	33
10	9	1	3	0	182	4	34

Duration (in years)	Italy	Latvia	Lithuania	Luxembourg	Malta	Netherlands	Portugal
1	6	6	6	0	18	0	27
2	14	12	12	0	25	0	45
3	18	16	16	0	28	0	51
4	20	18	18	0	29	0	51
5	22	20	20	0	30	0	54
6	23	21	21	0	31	0	56
7	25	23	23	0	32	0	57
8	26	24	24	2	33	0	56
9	28	25	25	3	33	0	53
10	29	25	26	3	34	1	52

Duration (in years)	Romania	Slovakia	Slovenia	Spain	Sweden	United Kingdom	Liechtenstein
1	10	13	21	6	0	0	0
2	18	18	24	12	0	0	0
3	21	20	29	16	0	0	0
4	22	22	33	18	0	0	0
5	24	23	37	20	0	0	0
6	25	24	40	21	0	0	0
7	27	26	42	23	0	0	0
8	29	27	43	24	0	0	0
9	30	27	44	25	0	0	0
10	27	27	43	26	0	0	0

Duration (in years)	Norway	Australia	Brazil	Canada	Chile	China	Colombia
1	0	0	12	0	17	0	11
2	0	0	12	0	19	0	19
3	0	0	12	0	18	1	30
4	0	0	12	0	17	2	39
5	0	0	12	0	16	2	41
6	0	0	12	0	15	3	44
7	0	0	12	0	14	4	46
8	0	0	12	0	15	8	44
9	0	0	12	0	16	5	41
10	0	0	12	0	13	5	44

Duration (in years)	Hong Kong	India	Japan	Malaysia	Mexico	New Zealand	Russia
1	0	9	0	0	10	0	0
2	0	9	0	0	10	0	0
3	0	9	0	0	10	0	0
4	0	9	0	0	10	0	0
5	0	9	0	0	10	0	2
6	0	9	0	0	10	0	6
7	0	9	0	0	10	0	8
8	0	9	0	0	10	0	13
9	0	9	1	0	10	0	19
10	0	9	1	0	10	0	19

Duration (in years)	Singapore	South Africa	South Korea	Thailand	Taiwan	United States
1	0	3	10	0	4	0
2	0	7	12	0	4	0
3	0	7	12	0	4	0
4	0	6	14	0	4	0
5	0	5	15	0	4	0
6	0	5	16	0	4	0
7	0	7	16	0	4	0
8	0	8	16	0	4	0
9	0	8	16	0	4	0
10	0	9	16	0	4	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	21	48	128	242	585	1 211
2	6	21	48	128	242	585	993
3	7	23	48	120	238	581	821
4	8	26	51	121	237	580	687
5	10	29	56	124	237	580	582
6	11	31	60	129	237	580	580
7	12	34	62	131	237	580	580
8	12	34	61	129	237	580	580
9	12	35	61	128	237	580	580
10	13	36	61	128	237	580	580
11	13	37	61	128	237	580	580
12	14	38	61	128	237	580	580
13	14	39	61	128	237	580	580
14	14	39	61	128	237	580	580
15	14	39	61	128	237	580	580
16	14	39	61	128	237	580	580
17	14	39	61	128	237	580	580
18	14	39	61	128	237	580	580
19	14	39	61	128	237	580	580
20	14	39	61	128	237	580	580
21	15	39	61	128	237	580	580
22	15	39	61	128	237	580	580
23	16	39	61	128	237	580	580
24	17	39	61	128	237	580	580
25	17	39	61	128	237	580	580
26	18	39	61	128	237	580	580
27	19	39	61	128	237	580	580
28	20	39	61	128	237	580	580
29	20	39	61	128	237	580	580
30	20	39	61	128	237	580	580

### 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	10	25	52	132	246	590	1 223
2	12	28	54	134	248	592	1 005
3	14	30	55	126	245	588	831
4	15	33	58	128	244	587	695
5	16	35	63	131	243	587	589
6	17	37	66	135	243	586	586
7	18	39	67	136	242	586	586
8	17	39	66	134	242	585	585
9	17	40	66	133	241	585	585
10	17	40	65	132	241	584	584
11	17	41	65	131	240	584	584



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
12	17	41	64	131	240	583	583
13	17	41	64	130	239	583	583
14	17	41	63	130	239	582	582
15	16	41	63	129	238	582	582
16	15	40	62	129	238	581	581
17	15	40	62	128	237	581	581
18	15	40	62	128	237	581	581
19	15	40	62	128	237	581	581
20	15	40	62	129	238	581	581
21	16	40	63	129	238	582	582
22	16	41	63	129	238	582	582
23	17	41	63	129	238	582	582
24	17	41	63	130	239	582	582
25	17	41	63	130	239	582	582
26	18	41	63	130	239	582	582
27	19	41	63	130	239	582	582
28	20	41	63	130	239	582	582
29	20	41	63	130	239	582	582
30	21	41	63	130	239	582	582

## 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	21	47	127	242	585	1 211
2	6	21	47	127	242	585	992
3	7	23	48	119	238	581	821
4	8	26	51	121	237	580	687
5	10	29	56	124	237	580	582
6	11	31	60	128	237	580	580
7	12	33	62	131	237	580	580
8	12	34	61	129	237	580	580
9	12	35	61	128	237	580	580
10	13	36	61	128	237	580	580
11	13	37	61	128	237	580	580
12	14	38	61	128	237	580	580
13	14	39	61	128	237	580	580
14	14	39	61	128	237	580	580
15	14	39	61	128	237	580	580
16	14	39	61	128	237	580	580
17	14	39	61	128	237	580	580
18	14	39	61	128	237	580	580
19	14	39	61	128	237	580	580
20	14	39	61	128	237	580	580
21	15	39	61	128	237	580	580
22	15	39	61	128	237	580	580
23	16	39	61	128	237	580	580
24	17	39	61	128	237	580	580
25	17	39	61	128	237	580	580

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
26	18	39	61	128	237	580	580
27	19	39	61	128	237	580	580
28	20	39	61	128	237	580	580
29	20	39	61	128	237	580	580
30	20	39	61	128	237	580	580

## 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	86	102	128	208	322	666	1 219
2	81	97	123	203	317	661	1 003
3	85	102	127	198	316	660	830
4	84	101	127	197	312	656	697
5	82	101	129	197	309	653	653
6	81	101	130	199	307	651	651
7	80	101	130	199	304	648	648
8	78	101	128	195	303	647	647
9	77	100	126	193	302	645	645
10	74	97	122	189	298	641	641
11	71	95	119	186	295	638	638
12	70	95	118	184	293	637	637
13	70	94	117	183	292	636	636
14	69	94	116	183	292	635	635
15	69	94	116	182	291	635	635
16	68	93	115	181	290	634	634
17	68	92	115	181	290	633	633
18	67	91	114	180	289	633	633
19	66	91	113	179	288	632	632
20	65	90	112	179	288	631	631
21	65	89	112	178	287	630	630
22	64	88	111	177	286	629	629
23	63	87	110	176	285	629	629
24	62	86	109	175	284	627	627
25	61	85	108	174	283	626	626
26	60	84	106	173	282	625	625
27	58	83	105	172	281	624	624
28	57	82	104	171	280	623	623
29	56	81	103	170	279	622	622
30	55	80	102	169	277	621	621

## 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	25	51	131	246	589	1 207
2	12	27	53	133	247	591	990
3	14	30	55	126	245	588	821
4	15	33	58	129	244	588	687

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
5	17	36	64	131	244	588	588
6	18	38	67	136	244	588	588
7	19	41	69	138	244	587	587
8	19	41	68	136	243	587	587
9	18	41	67	134	243	586	586
10	18	42	67	133	242	586	586
11	18	42	66	133	242	585	585
12	18	43	66	132	241	585	585
13	18	43	66	132	241	584	584
14	18	43	65	132	241	584	584
15	18	43	65	131	240	584	584
16	17	42	64	131	240	583	583
17	17	42	64	131	239	583	583
18	17	42	64	130	239	583	583
19	17	42	64	130	239	583	583
20	18	42	65	131	240	583	583
21	18	42	65	131	240	584	584
22	18	43	65	131	240	584	584
23	18	43	65	132	241	584	584
24	18	43	65	132	241	584	584
25	18	43	65	132	241	584	584
26	18	43	65	132	241	584	584
27	19	43	65	132	241	584	584
28	20	43	65	132	241	584	584
29	20	43	65	132	241	584	584
30	21	43	65	131	240	584	584

## 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	53	68	94	174	288	632	1 223
2	56	72	98	178	292	636	1 008
3	62	78	103	174	293	636	838
4	65	83	108	178	294	637	705
5	68	87	114	182	295	638	638
6	69	89	118	186	294	638	638
7	69	90	119	188	294	637	637
8	68	90	117	185	292	636	636
9	66	89	115	182	291	634	634
10	65	89	114	180	289	633	633
11	64	88	112	179	288	631	631
12	63	87	111	177	286	629	629
13	62	86	109	175	284	628	628
14	61	85	108	174	283	626	626
15	59	84	106	173	282	625	625
16	58	83	105	171	280	624	624

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
17	57	82	104	171	280	623	623
18	56	81	103	170	279	622	622
19	56	80	103	169	278	621	621
20	55	80	102	168	277	621	621
21	54	79	101	168	277	620	620
22	53	78	100	167	276	619	619
23	53	77	100	166	275	618	618
24	52	76	99	165	274	618	618
25	51	76	98	164	273	617	617
26	50	75	97	163	272	616	616
27	49	74	96	162	271	615	615
28	48	73	95	162	271	614	614
29	48	72	94	161	270	613	613
30	47	71	94	160	269	612	612

## 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	20	47	127	241	584	1 210
2	5	20	47	127	241	584	992
3	6	23	48	119	237	580	821
4	7	25	50	120	236	579	687
5	9	28	56	123	236	579	581
6	10	30	59	128	236	579	579
7	11	33	61	130	236	579	579
8	11	33	60	128	236	579	579
9	11	34	60	127	236	579	579
10	12	35	60	127	236	579	579
11	13	36	60	127	236	579	579
12	13	37	60	127	236	579	579
13	13	38	60	127	236	579	579
14	14	38	60	127	236	579	579
15	14	38	60	127	236	579	579
16	13	38	60	127	236	579	579
17	13	38	60	127	236	579	579
18	13	38	60	127	236	579	579
19	14	38	60	127	236	579	579
20	14	38	60	127	236	579	579
21	15	38	60	127	236	579	579
22	15	38	60	127	236	579	579
23	16	38	61	127	236	579	579
24	17	38	61	127	236	579	579
25	17	38	61	127	236	579	579
26	18	38	61	127	236	579	579
27	19	38	61	127	236	579	579
28	20	38	61	127	236	579	579

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
29	20	38	61	127	236	579	579
30	20	38	61	127	236	579	579

## 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	25	58	159	260	603	1 225
2	7	25	58	159	260	603	1 004
3	8	27	57	143	256	599	831
4	10	30	59	131	254	597	695
5	11	31	59	118	253	596	596
6	13	35	62	110	252	595	595
7	15	37	63	102	251	594	594
8	16	38	61	94	249	593	593
9	19	45	65	88	248	592	592
10	18	45	62	84	248	591	591
11	17	44	60	83	247	590	590
12	16	43	60	84	246	589	589
13	16	44	61	84	245	589	589
14	17	44	61	84	244	588	588
15	17	44	61	84	244	587	587
16	17	44	61	84	242	586	586
17	17	44	61	84	241	585	585
18	17	44	61	84	241	584	584
19	17	44	61	84	241	584	584
20	17	44	61	84	241	585	585
21	17	44	61	84	241	585	585
22	17	44	61	84	241	585	585
23	17	44	61	84	241	584	584
24	17	44	61	84	240	584	584
25	17	44	61	84	240	583	583
26	18	44	61	84	239	583	583
27	19	44	61	84	239	582	582
28	20	44	61	84	239	582	582
29	20	44	61	84	238	582	582
30	20	44	61	84	238	581	581

## 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	88	103	130	210	324	668	1 233
2	85	101	127	207	321	665	1 017
3	84	101	126	197	315	659	845
4	83	101	126	196	312	655	710
5	81	100	128	195	308	652	652
6	80	100	129	198	306	649	649
7	78	100	128	197	303	646	646

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
8	76	98	125	193	300	644	644
9	73	96	122	189	298	641	641
10	72	96	120	187	296	639	639
11	71	95	119	185	294	638	638
12	70	94	117	183	292	636	636
13	68	93	115	182	291	634	634
14	67	92	114	180	289	633	633
15	66	90	112	179	288	631	631
16	64	89	111	178	287	630	630
17	63	88	110	176	285	629	629
18	62	87	109	175	284	628	628
19	61	86	108	174	283	627	627
20	60	85	107	174	283	626	626
21	59	84	106	173	282	625	625
22	59	83	105	172	281	624	624
23	58	82	104	171	280	623	623
24	57	81	103	170	279	622	622
25	55	80	102	169	278	621	621
26	54	79	101	168	277	620	620
27	53	78	100	167	276	619	619
28	53	77	99	166	275	618	618
29	52	76	98	165	274	617	617
30	51	75	98	164	273	616	616

## 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	61	76	103	183	297	640	1 245
2	59	75	101	181	295	639	1 023
3	59	76	101	172	290	634	848
4	59	77	102	172	288	631	711
5	58	77	105	173	285	629	629
6	57	78	106	175	283	627	627
7	57	78	106	176	281	625	625
8	55	77	104	172	280	623	623
9	54	76	102	169	278	621	621
10	53	76	101	168	277	620	620
11	52	76	100	167	276	619	619
12	52	76	99	166	275	618	618
13	52	76	99	165	274	618	618
14	51	76	98	164	273	617	617
15	50	75	97	164	273	616	616
16	49	74	96	163	272	615	615
17	49	73	96	162	271	614	614
18	48	72	95	161	270	614	614
19	47	72	94	161	270	613	613
20	47	72	94	160	269	613	613
21	47	71	94	160	269	613	613

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
22	46	71	93	160	269	612	612
23	46	71	93	159	268	612	612
24	45	70	92	159	268	611	611
25	45	69	92	158	267	611	611
26	44	69	91	157	266	610	610
27	43	68	90	157	266	609	609
28	43	67	90	156	265	609	609
29	42	67	89	155	264	608	608
30	41	66	88	155	264	607	607

## 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	46	72	152	267	610	1 233
2	31	47	73	153	267	611	1 012
3	31	48	73	144	262	606	837
4	32	49	75	145	260	604	701
5	32	51	79	147	259	603	603
6	33	53	82	150	258	602	602
7	33	54	83	152	258	601	601
8	32	54	81	149	257	600	600
9	32	54	80	147	256	599	599
10	31	55	80	146	255	599	599
11	31	55	79	146	255	598	598
12	31	55	78	145	254	597	597
13	30	55	78	144	253	596	596
14	30	54	77	143	252	596	596
15	29	54	76	142	251	595	595
16	28	53	75	141	250	594	594
17	28	52	75	141	250	593	593
18	27	52	74	140	249	593	593
19	27	51	74	140	249	593	593
20	27	51	74	140	249	593	593
21	27	52	74	140	249	593	593
22	27	51	74	140	249	593	593
23	27	51	74	140	249	593	593
24	27	51	73	140	249	592	592
25	26	51	73	140	249	592	592
26	26	51	73	139	248	592	592
27	26	50	73	139	248	592	592
28	26	50	73	139	248	591	591
29	25	50	72	139	248	591	591
30	25	50	72	138	247	591	591

## 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	27	107	221	565	1 203
2	1	5	28	108	222	566	986
3	2	5	29	100	219	562	816
4	2	7	32	102	217	561	682
5	3	9	37	105	217	561	578
6	4	12	40	109	217	561	561
7	5	14	42	111	217	561	561
8	5	15	42	110	217	561	561
9	7	16	41	108	217	561	561
10	7	17	42	108	217	561	561
11	8	19	43	109	218	562	562
12	8	18	42	108	217	560	560
13	10	20	43	109	218	562	562
14	10	20	43	109	218	561	561
15	11	19	41	108	217	560	560
16	11	18	40	106	215	559	559
17	12	18	40	106	215	559	559
18	13	18	40	107	216	559	559
19	14	19	41	107	216	559	559
20	14	19	41	108	217	560	560
21	15	20	42	108	217	561	561
22	15	21	42	108	217	561	561
23	16	22	42	108	217	561	561
24	17	22	42	108	217	561	561
25	17	23	43	108	217	561	561
26	18	24	45	108	217	561	561
27	18	25	46	108	217	561	561
28	19	25	47	108	217	561	561
29	20	26	48	108	217	561	561
30	20	28	49	108	217	561	561

## 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	63	89	169	283	627	1 250
2	47	63	89	169	283	627	1 026
3	48	64	89	160	279	622	849
4	48	66	91	161	277	620	711
5	49	68	95	163	276	619	619
6	49	69	98	166	274	618	618
7	49	70	98	168	273	617	617
8	48	70	97	165	272	616	616
9	47	70	96	163	271	615	615
10	47	70	95	161	270	614	614
11	46	70	94	160	269	613	613
12	46	70	93	160	269	612	612



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
13	45	70	93	159	268	611	611
14	45	70	92	158	267	611	611
15	44	69	91	158	267	610	610
16	43	68	90	157	266	609	609
17	43	67	90	156	265	609	609
18	42	67	89	155	264	608	608
19	42	66	89	155	264	607	607
20	41	66	88	155	264	607	607
21	41	66	88	155	264	607	607
22	41	66	88	154	263	607	607
23	40	65	87	154	263	606	606
24	40	65	87	153	262	606	606
25	39	64	86	153	262	605	605
26	39	63	86	152	261	605	605
27	38	63	85	151	260	604	604
28	38	62	85	151	260	603	603
29	37	62	84	150	259	603	603
30	36	61	83	150	259	602	602

## 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	15	30	56	136	250	594	1 243
2	19	34	60	140	255	598	1 019
3	23	40	65	136	254	598	843
4	27	45	70	140	256	599	706
5	30	49	77	144	257	600	600
6	29	49	78	147	255	598	598
7	34	56	84	153	259	602	602
8	33	55	82	150	257	601	601
9	34	57	83	149	258	602	602
10	36	59	84	151	260	603	603
11	38	62	86	152	261	604	604
12	39	63	86	153	262	605	605
13	40	64	87	153	262	606	606
14	40	65	87	154	263	606	606
15	40	65	87	154	263	606	606
16	40	64	87	153	262	606	606
17	40	64	87	153	262	606	606
18	39	64	86	152	261	605	605
19	39	63	86	152	261	604	604
20	39	63	86	152	261	604	604
21	38	63	85	152	261	604	604
22	38	63	85	152	261	604	604
23	38	63	85	151	260	604	604
24	38	62	84	151	260	603	603
25	37	62	84	150	259	603	603
26	37	61	84	150	259	602	602

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
27	36	61	83	149	258	602	602
28	36	60	83	149	258	601	601
29	35	60	82	148	257	601	601
30	35	59	81	148	257	600	600

## 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	13	28	55	135	249	593	1 237
2	14	30	56	136	250	594	1 015
3	17	33	58	129	248	591	840
4	18	36	61	131	247	591	703
5	20	39	67	134	247	591	595
6	21	42	70	139	247	591	591
7	23	44	72	141	247	591	591
8	23	45	72	140	247	591	591
9	23	46	72	139	247	591	591
10	24	47	72	139	248	591	591
11	25	48	73	139	248	591	591
12	25	49	73	139	248	592	592
13	26	50	73	139	248	592	592
14	26	51	73	139	248	592	592
15	26	51	73	139	248	592	592
16	26	50	73	139	248	592	592
17	26	50	73	139	248	592	592
18	26	50	73	139	248	592	592
19	26	50	73	139	248	592	592
20	26	51	73	139	248	592	592
21	26	51	73	139	248	592	592
22	26	51	73	139	248	592	592
23	26	50	73	139	248	592	592
24	25	50	72	139	248	591	591
25	25	50	72	138	247	591	591
26	25	49	72	138	247	590	590
27	24	49	71	138	247	590	590
28	24	49	71	137	246	590	590
29	24	48	71	137	246	590	590
30	23	48	70	137	246	589	589

## 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	50	65	91	171	286	629	1 260
2	53	68	94	174	288	632	1 035
3	57	73	98	169	288	631	858

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
4	59	77	102	172	287	631	719
5	61	80	107	175	288	631	631
6	62	83	111	180	288	632	632
7	63	85	113	182	288	631	631
8	63	85	112	180	287	631	631
9	63	85	111	178	287	631	631
10	63	86	111	178	287	630	630
11	63	87	111	178	287	630	630
12	63	87	110	177	286	629	629
13	63	87	110	176	285	628	628
14	62	86	109	175	284	628	628
15	61	85	108	174	283	627	627
16	60	85	107	173	282	626	626
17	59	84	106	172	281	625	625
18	58	83	105	172	281	624	624
19	58	82	105	171	280	623	623
20	57	82	104	170	279	623	623
21	56	81	103	170	279	622	622
22	55	80	102	169	278	621	621
23	55	79	102	168	277	620	620
24	54	78	101	167	276	619	619
25	53	77	100	166	275	619	619
26	52	76	99	165	274	618	618
27	51	76	98	164	273	617	617
28	50	75	97	163	272	616	616
29	49	74	96	162	271	615	615
30	48	73	95	162	271	614	614

## 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	81	96	122	202	317	660	1 300
2	85	100	127	207	321	664	1 070
3	86	103	128	199	317	661	888
4	87	104	130	200	315	659	744
5	90	109	136	204	317	660	660
6	91	112	141	209	317	661	661
7	93	114	143	212	317	661	661
8	94	116	143	211	318	662	662
9	95	117	143	210	319	663	663
10	95	119	144	210	319	663	663
11	95	119	143	209	318	662	662
12	95	119	142	209	318	661	661
13	94	118	141	207	316	660	660
14	93	117	139	206	315	658	658
15	91	116	138	204	313	657	657
16	90	114	137	203	312	655	655
17	88	113	135	201	310	654	654
18	87	111	134	200	309	653	653
19	85	110	132	199	308	651	651

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
20	84	109	131	197	306	650	650
21	83	107	130	196	305	649	649
22	81	106	128	195	304	647	647
23	80	104	127	193	302	645	645
24	78	103	125	191	300	644	644
25	77	101	123	190	299	642	642
26	75	100	122	188	297	641	641
27	73	98	120	187	296	639	639
28	72	97	119	185	294	638	638
29	70	95	117	184	293	636	636
30	69	94	116	182	291	635	635

## 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	6	22	48	128	242	586	1 235
2	10	25	51	131	246	589	1 014
3	13	30	55	126	244	588	840
4	16	34	59	130	245	589	703
5	19	38	66	134	246	590	595
6	21	41	70	139	247	591	591
7	23	44	72	142	247	591	591
8	23	45	72	140	248	591	591
9	23	46	72	139	248	591	591
10	24	47	72	139	248	591	591
11	24	48	72	139	248	591	591
12	25	49	72	138	247	591	591
13	24	49	72	138	247	590	590
14	24	48	71	137	246	590	590
15	23	48	70	136	245	589	589
16	22	47	69	135	244	588	588
17	22	46	69	135	244	588	588
18	21	46	68	135	244	587	587
19	21	46	68	134	243	587	587
20	21	46	68	135	244	587	587
21	21	46	68	135	244	587	587
22	21	46	68	135	244	587	587
23	21	46	68	135	244	587	587
24	21	46	68	135	244	587	587
25	21	46	68	135	244	587	587
26	21	46	68	134	243	587	587
27	21	46	68	134	243	587	587
28	21	45	68	134	243	587	587
29	21	45	68	134	243	586	586
30	21	45	67	134	243	586	586

## 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	92	107	134	214	328	671	1 333
2	92	108	134	214	328	672	1 093
3	93	110	135	206	324	668	904
4	94	112	137	207	323	666	757
5	95	114	142	209	322	666	666
6	96	116	145	213	321	665	665
7	96	118	146	215	321	664	664
8	96	118	145	213	321	664	664
9	95	118	144	211	320	663	663
10	94	118	142	209	318	661	661
11	93	117	141	207	316	660	660
12	91	116	139	205	314	658	658
13	90	114	137	203	312	656	656
14	88	113	135	201	310	654	654
15	86	111	133	200	309	652	652
16	84	109	131	197	306	650	650
17	82	107	129	196	305	648	648
18	81	105	128	194	303	647	647
19	79	104	126	193	302	645	645
20	78	103	125	192	301	644	644
21	77	102	124	191	300	643	643
22	76	101	123	190	299	642	642
23	75	100	122	189	298	641	641
24	74	99	121	187	296	640	640
25	73	98	120	186	295	639	639
26	72	97	119	185	294	638	638
27	71	95	118	184	293	637	637
28	70	94	117	183	292	636	636
29	69	93	116	182	291	635	635
30	68	92	115	181	290	634	634

## 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	352	367	394	474	588	932	1 354
2	77	92	118	198	312	656	1 105
3	81	97	122	193	312	655	912
4	85	102	128	198	313	657	762
5	87	107	134	202	314	658	658
6	89	110	138	207	315	659	659
7	91	112	141	210	316	659	659
8	92	114	141	209	316	660	660
9	92	115	141	208	317	660	660
10	93	116	141	207	316	660	660
11	93	117	141	207	316	660	660
12	94	118	141	207	316	660	660

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
13	94	119	141	208	317	660	660
14	95	120	142	208	317	661	661
15	96	120	143	209	318	662	662
16	97	121	144	210	319	663	663
17	98	122	145	211	320	664	664
18	99	124	146	212	321	665	665
19	100	124	147	213	322	666	666
20	101	125	148	214	323	666	666
21	101	125	148	214	323	667	667
22	101	125	148	214	323	666	666
23	100	125	147	213	322	666	666
24	99	124	146	213	322	665	665
25	98	123	145	212	321	664	664
26	97	122	144	211	320	663	663
27	96	121	143	209	318	662	662
28	95	120	142	208	317	661	661
29	94	118	141	207	316	659	659
30	92	117	139	206	315	658	658

## 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	10	36	116	231	574	1 225
2	1	10	36	116	230	574	1 004
3	2	12	37	108	227	570	830
4	2	14	39	109	225	568	694
5	4	16	43	111	224	567	588
6	4	17	46	115	223	566	566
7	5	19	47	117	222	566	566
8	5	19	46	114	221	565	565
9	7	19	45	112	220	564	564
10	7	20	45	111	220	564	564
11	8	21	45	111	220	563	563
12	8	21	45	111	220	563	563
13	10	22	45	111	220	563	563
14	10	22	45	111	220	564	564
15	11	23	45	111	220	564	564
16	11	22	45	111	220	564	564
17	12	23	45	112	221	564	564
18	13	23	46	112	221	565	565
19	14	24	46	113	222	565	565
20	14	25	47	114	223	566	566
21	15	26	48	114	223	567	567
22	16	26	49	115	224	568	568
23	17	27	49	116	225	568	568
24	17	28	50	116	225	569	569
25	17	28	50	117	226	569	569
26	18	28	51	117	226	570	570

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
27	19	29	51	117	226	570	570
28	20	29	51	118	227	570	570
29	20	30	52	118	227	571	571
30	21	30	52	118	227	571	571

## 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	54	69	95	175	289	633	1 253
2	54	70	96	176	290	634	1 029
3	55	72	97	168	287	630	853
4	56	74	99	169	285	628	714
5	56	75	103	171	283	627	627
6	57	77	106	175	283	626	626
7	57	78	106	175	281	625	625
8	56	78	105	173	281	624	624
9	56	78	104	171	280	623	623
10	55	78	103	170	279	622	622
11	54	78	102	168	277	620	620
12	52	77	100	166	275	619	619
13	51	76	98	165	274	617	617
14	50	74	97	163	272	616	616
15	48	73	95	162	271	614	614
16	46	71	93	160	269	612	612
17	45	70	92	159	268	611	611
18	44	69	91	157	266	610	610
19	43	68	90	156	265	609	609
20	43	67	90	156	265	608	608
21	42	67	89	155	264	608	608
22	41	66	88	155	264	607	607
23	41	65	88	154	263	606	606
24	40	65	87	153	262	606	606
25	39	64	86	152	261	605	605
26	39	63	85	152	261	604	604
27	38	62	85	151	260	604	604
28	37	62	84	150	259	603	603
29	37	61	83	150	259	602	602
30	36	61	83	149	258	602	602

## 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	114	130	156	236	350	694	1 353
2	115	131	157	237	351	695	1 108
3	118	134	159	230	349	692	917
4	120	138	163	233	348	692	768
5	121	140	168	236	348	692	692

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
6	122	142	171	240	348	692	692
7	123	144	172	242	347	691	691
8	122	144	171	239	346	690	690
9	121	144	170	237	345	689	689
10	120	144	169	235	344	688	688
11	119	143	167	234	343	686	686
12	118	142	165	232	341	684	684
13	116	141	163	230	339	682	682
14	114	139	161	227	336	680	680
15	112	136	159	225	334	678	678
16	109	134	156	222	331	675	675
17	107	131	154	220	329	673	673
18	104	129	151	218	327	670	670
19	102	127	149	216	325	668	668
20	101	125	148	214	323	666	666
21	99	123	146	212	321	665	665
22	97	122	144	210	319	663	663
23	95	120	142	209	318	661	661
24	93	118	140	207	316	659	659
25	92	116	139	205	314	658	658
26	90	115	137	203	312	656	656
27	88	113	135	202	311	654	654
28	87	111	134	200	309	652	652
29	85	110	132	198	307	651	651
30	84	108	131	197	306	649	649

## 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	174	190	216	296	410	754	1 372
2	183	199	225	305	419	763	1 131
3	188	205	230	301	420	763	941
4	190	208	233	303	419	762	789
5	191	211	238	306	418	762	762
6	191	211	240	309	417	760	760
7	191	212	240	309	415	759	759
8	189	211	238	306	414	757	757
9	188	210	236	303	412	756	756
10	187	210	235	302	411	754	754
11	185	209	233	300	409	752	752
12	183	207	231	297	406	750	750
13	181	205	228	294	403	747	747
14	178	202	225	291	400	743	743
15	174	199	221	288	397	740	740
16	171	196	218	284	393	737	737
17	168	192	215	281	390	734	734
18	165	189	212	278	387	730	730



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
19	161	186	208	275	384	727	727
20	158	183	205	272	381	724	724
21	155	180	202	269	378	721	721
22	152	177	199	265	374	718	718
23	149	174	196	262	371	715	715
24	146	170	193	259	368	712	712
25	143	167	190	256	365	709	709
26	140	164	187	253	362	705	705
27	137	161	184	250	359	702	702
28	134	158	181	247	356	700	700
29	131	156	178	244	353	697	697
30	128	153	175	242	351	694	694

## 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	27	42	68	148	263	606	1 279
2	28	43	69	149	263	607	1 048
3	29	45	70	141	260	603	867
4	30	48	73	143	258	602	726
5	31	50	78	145	258	601	614
6	31	51	80	149	257	601	601
7	32	53	81	150	256	600	600
8	31	53	80	148	255	599	599
9	30	53	79	146	254	598	598
10	30	53	78	144	253	597	597
11	30	53	77	144	253	596	596
12	29	54	77	143	252	596	596
13	29	54	76	143	252	595	595
14	29	53	76	142	251	595	595
15	29	53	75	142	251	594	594
16	28	53	75	142	251	594	594
17	28	53	75	142	251	594	594
18	28	53	75	142	251	594	594
19	28	53	75	142	251	594	594
20	29	53	76	142	251	594	594
21	29	53	76	142	251	594	594
22	29	53	76	142	251	594	594
23	28	53	75	142	251	594	594
24	28	53	75	142	251	594	594
25	28	53	75	141	250	594	594
26	28	53	75	141	250	594	594
27	28	52	75	141	250	593	593

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
28	27	52	74	141	250	593	593
29	27	52	74	140	249	593	593
30	27	52	74	140	249	593	593

## 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	23	38	64	144	258	602	1 281
2	24	40	66	146	260	604	1 050
3	27	44	69	140	258	602	869
4	30	48	73	143	259	602	726
5	32	51	79	147	259	603	614
6	34	54	83	152	260	603	603
7	36	57	85	154	260	604	604
8	36	58	85	153	260	604	604
9	36	59	85	152	260	604	604
10	37	60	85	152	261	604	604
11	38	62	86	152	261	605	605
12	39	63	86	153	262	605	605
13	39	63	86	152	261	605	605
14	39	64	86	152	261	605	605
15	39	63	86	152	261	605	605
16	38	63	85	152	261	604	604
17	38	63	85	152	261	604	604
18	38	63	85	152	261	604	604
19	38	63	85	152	261	604	604
20	39	63	86	152	261	604	604
21	39	63	86	152	261	605	605
22	39	63	86	152	261	605	605
23	39	63	86	152	261	604	604
24	38	63	85	152	261	604	604
25	38	63	85	151	260	604	604
26	38	62	85	151	260	603	603
27	37	62	84	150	259	603	603
28	37	61	84	150	259	603	603
29	36	61	83	150	259	602	602
30	36	60	83	149	258	602	602

## 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	124	139	165	245	360	703	1 385
2	122	138	164	244	358	702	1 129
3	123	139	164	235	354	697	931
4	123	141	166	236	352	695	777
5	124	143	170	238	351	694	694
6	123	144	172	241	349	693	693
7	124	145	173	242	348	692	692

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
8	123	145	172	240	347	691	691
9	122	144	170	237	346	690	690
10	122	145	170	237	346	689	689
11	121	145	169	236	345	688	688
12	121	145	168	235	344	687	687
13	120	144	167	233	342	686	686
14	119	144	166	232	341	685	685
15	117	141	164	230	339	682	682
16	115	139	161	228	337	680	680
17	112	136	159	225	334	678	678
18	109	134	156	223	332	675	675
19	107	132	154	221	330	673	673
20	105	130	152	218	327	671	671
21	103	127	150	216	325	669	669
22	101	125	148	214	323	666	666
23	98	123	145	212	321	664	664
24	96	121	143	210	319	662	662
25	94	119	141	207	316	660	660
26	92	117	139	205	314	658	658
27	90	115	137	203	312	656	656
28	88	113	135	201	310	654	654
29	86	111	133	199	308	652	652
30	84	109	131	197	306	650	650

## 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	9	35	115	229	573	1 234
2	1	11	37	117	231	575	1 014
3	2	15	40	111	229	573	840
4	2	19	44	114	229	573	703
5	4	22	50	117	230	574	595
6	5	25	54	123	231	574	574
7	7	28	56	125	231	575	575
8	7	29	56	124	231	575	575
9	7	29	55	122	231	575	575
10	7	31	56	122	231	575	575
11	8	31	55	122	231	574	574
12	8	32	55	122	231	574	574
13	10	32	55	121	230	574	574
14	10	33	55	121	230	574	574
15	11	32	55	121	230	574	574
16	11	32	54	121	230	573	573
17	13	32	54	121	230	573	573
18	13	32	54	121	230	573	573
19	14	32	55	121	230	573	573
20	14	33	55	122	231	574	574
21	15	33	56	122	231	575	575

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
22	16	34	56	123	232	575	575
23	17	34	57	123	232	575	575
24	17	34	57	123	232	576	576
25	18	35	57	123	232	576	576
26	18	35	57	124	233	576	576
27	19	35	57	124	233	576	576
28	20	35	58	124	233	576	576
29	20	35	58	124	233	577	577
30	21	36	58	124	233	577	577

## 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	35	50	77	156	271	614	1 243
2	35	51	77	157	271	615	1 019
3	35	52	77	148	267	610	843
4	36	53	79	149	264	608	705
5	36	55	83	150	263	607	607
6	39	59	88	156	265	608	608
7	36	58	86	155	261	604	604
8	40	62	89	157	265	608	608
9	40	62	88	155	264	607	607
10	34	57	82	149	258	601	601
11	30	53	77	144	253	596	596
12	26	51	74	140	249	593	593
13	24	49	71	138	247	590	590
14	22	47	69	136	245	588	588
15	21	45	68	134	243	587	587
16	19	44	66	133	242	585	585
17	18	43	65	132	241	584	584
18	18	42	65	131	240	583	583
19	17	42	64	131	240	583	583
20	17	42	64	131	240	583	583
21	17	42	64	131	240	583	583
22	17	42	64	131	240	583	583
23	17	42	64	131	240	583	583
24	17	42	64	131	240	583	583
25	17	42	64	131	240	583	583
26	18	42	64	130	239	583	583
27	19	42	64	130	239	583	583
28	20	42	64	130	239	583	583
29	20	42	64	130	239	583	583
30	21	41	64	130	239	583	583

## 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	186	202	228	308	422	766	1 453
2	184	199	226	306	420	764	1 187
3	181	198	223	294	412	756	980
4	179	197	222	292	407	751	818
5	176	195	222	290	403	746	746
6	173	193	222	290	398	742	742
7	170	191	219	288	394	738	738
8	166	188	215	283	390	734	734
9	162	185	211	277	386	730	730
10	158	182	207	273	382	726	726
11	155	179	203	269	378	722	722
12	152	176	199	265	374	718	718
13	148	173	195	262	371	714	714
14	145	169	192	258	367	710	710
15	141	166	188	254	363	707	707
16	138	162	185	251	360	704	704
17	135	159	182	248	357	701	701
18	132	156	179	245	354	698	698
19	129	154	176	242	351	695	695
20	127	151	174	240	349	692	692
21	124	149	171	237	346	690	690
22	121	146	168	235	344	687	687
23	119	144	166	232	341	685	685
24	116	141	163	230	339	682	682
25	114	139	161	227	336	680	680
26	112	136	159	225	334	678	678
27	109	134	156	223	332	675	675
28	107	132	154	221	330	673	673
29	105	130	152	218	327	671	671
30	103	128	150	216	325	669	669

## 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	9	26	52	111	246	590	1 242
2	9	26	52	111	246	590	1 019
3	10	29	54	105	245	588	843
4	12	34	57	102	245	588	706
5	17	41	62	105	246	590	597
6	19	44	67	101	247	590	590
7	19	46	65	93	247	591	591
8	17	44	64	92	248	591	591
9	17	45	66	96	248	591	591
10	19	48	69	100	248	592	592
11	21	50	71	103	248	592	592
12	23	53	72	104	248	592	592

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
13	24	55	72	104	248	592	592
14	24	55	73	104	249	592	592
15	24	55	73	104	249	592	592
16	24	55	73	104	248	592	592
17	24	55	73	104	248	592	592
18	24	55	73	104	248	592	592
19	24	55	73	104	248	592	592
20	24	55	73	104	249	593	593
21	24	55	73	104	249	593	593
22	24	55	73	104	250	593	593
23	24	55	73	104	250	593	593
24	24	55	73	104	250	593	593
25	24	55	73	104	250	593	593
26	24	55	73	104	250	594	594
27	24	55	73	104	250	594	594
28	24	55	73	104	250	593	593
29	24	55	73	104	250	593	593
30	24	55	73	104	250	593	593

## 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	13	93	207	551	1 216
2	1	5	12	92	206	550	996
3	2	5	11	82	201	544	823
4	2	6	13	83	199	542	687
5	3	7	18	85	198	542	581
6	4	8	21	90	198	541	541
7	5	9	22	92	197	541	541
8	5	9	22	90	197	541	541
9	7	11	22	89	198	541	541
10	7	11	22	89	198	541	541
11	8	12	23	89	198	542	542
12	8	13	25	89	198	542	542
13	10	14	26	90	199	542	542
14	10	14	29	90	199	542	542
15	11	16	30	90	199	543	543
16	11	16	31	90	199	543	543
17	12	17	33	91	200	543	543
18	13	18	34	91	200	544	544
19	14	19	35	92	201	544	544
20	14	19	37	93	202	545	545
21	15	20	38	93	202	546	546
22	15	21	39	94	203	546	546
23	16	22	40	94	203	547	547
24	17	22	42	95	204	547	547
25	17	23	43	95	204	547	547
26	18	24	45	95	204	548	548

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
27	18	25	46	95	204	548	548
28	19	25	47	95	204	548	548
29	20	26	48	95	204	548	548
30	20	28	49	95	204	548	548

### 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	22	45	168	306	3 077
2	1	15	22	45	168	343	2 294
3	1	16	24	50	162	356	1 732
4	1	17	27	54	160	354	1 338
5	2	19	31	56	160	345	1 060
6	3	21	33	59	160	332	860
7	4	24	35	61	160	316	711
8	4	25	37	64	160	300	597
9	5	26	38	67	160	283	508
10	5	27	40	69	160	266	438
11	5	27	40	70	160	253	380
12	6	27	40	70	160	253	333
13	6	27	40	70	160	253	293
14	6	27	40	70	160	253	259
15	6	27	42	70	160	253	253
16	7	27	44	70	160	253	253
17	8	27	47	70	160	253	253
18	8	27	49	70	160	253	253
19	9	27	52	70	160	253	253
20	9	27	54	70	160	253	253
21	9	27	57	70	160	253	253
22	10	27	59	70	160	253	253
23	10	27	62	70	160	253	253
24	11	27	64	70	160	253	253
25	11	27	67	72	160	253	253
26	11	27	70	75	160	253	253
27	12	27	72	77	160	253	253
28	12	27	75	78	160	253	253
29	13	27	78	81	160	253	253
30	13	27	80	83	160	253	253

#### 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	5	19	26	50	172	309	3 112
2	7	22	28	52	174	347	2 324
3	7	22	31	57	169	360	1 755

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
4	7	23	34	61	167	359	1 355
5	8	25	37	62	166	349	1 073
6	9	27	39	65	166	335	869
7	10	30	41	67	165	319	718
8	9	30	41	69	165	302	603
9	9	30	43	72	164	285	513
10	9	31	44	73	164	268	441
11	9	31	44	74	163	257	383
12	9	30	43	73	163	256	335
13	8	29	43	73	162	256	295
14	7	29	42	72	162	255	261
15	7	29	42	72	161	255	255
16	7	28	44	71	161	254	254
17	8	28	47	71	161	254	254
18	8	28	50	71	160	254	254
19	9	28	52	71	160	254	254
20	9	28	55	71	161	254	254
21	9	28	58	72	161	254	254
22	10	29	59	72	161	255	255
23	10	29	62	72	162	255	255
24	11	29	65	72	162	255	255
25	11	29	68	73	162	255	255
26	11	29	71	75	162	255	255
27	12	29	73	77	162	255	255
28	12	29	76	80	162	255	255
29	13	29	78	81	162	255	255
30	14	29	81	83	162	255	255

## 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	15	22	45	168	306	3 077
2	1	15	22	45	168	343	2 294
3	1	15	24	50	162	356	1 732
4	1	16	27	54	160	354	1 338
5	2	19	31	56	160	345	1 060
6	3	21	33	59	160	332	859
7	4	24	35	61	160	316	711
8	4	25	36	64	160	299	597
9	5	26	38	67	160	283	508
10	5	26	40	69	160	266	438
11	5	27	40	70	160	253	380
12	6	27	40	70	160	253	333
13	6	27	40	70	160	253	293
14	6	27	40	70	160	253	259
15	6	27	42	70	160	253	253
16	7	27	44	70	160	253	253
17	8	27	47	70	160	253	253
18	8	27	49	70	160	253	253



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
19	9	27	52	70	160	253	253
20	9	27	54	70	160	253	253
21	9	27	57	70	160	253	253
22	10	27	59	70	160	253	253
23	10	27	62	70	160	253	253
24	11	27	64	70	160	253	253
25	11	27	67	72	160	253	253
26	11	27	70	75	160	253	253
27	12	27	72	77	160	253	253
28	12	27	75	78	160	253	253
29	13	27	78	81	160	253	253
30	13	27	80	83	160	253	253

## 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	81	96	102	126	248	344	3 099
2	76	91	97	121	243	346	2 319
3	78	94	103	129	240	359	1 751
4	76	92	103	129	235	360	1 359
5	74	91	104	129	232	352	1 080
6	73	92	104	129	230	339	878
7	72	92	103	129	228	324	728
8	71	91	103	130	226	319	612
9	70	91	103	132	225	318	522
10	66	88	101	130	221	314	450
11	63	85	98	128	218	311	391
12	62	83	97	127	216	309	342
13	61	82	96	126	215	309	309
14	60	82	95	125	215	308	308
15	60	81	95	125	214	308	308
16	59	81	94	124	213	307	307
17	59	80	93	123	213	306	306
18	58	79	93	123	212	305	305
19	57	78	92	122	211	305	305
20	56	78	91	121	211	304	304
21	56	77	90	120	210	303	303
22	55	76	89	119	209	302	302
23	54	75	88	118	208	301	301
24	53	74	87	117	207	300	300
25	52	73	86	116	206	299	299
26	50	72	85	115	205	298	298
27	49	71	84	114	204	297	297
28	48	70	83	113	203	296	296

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
29	47	69	82	112	202	295	295
30	46	68	83	111	201	294	294

## 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	4	19	26	49	172	305	3 066
2	6	21	28	51	173	342	2 289
3	7	22	31	57	169	355	1 730
4	8	24	35	61	167	355	1 338
5	9	26	38	63	167	346	1 061
6	10	29	41	66	167	333	861
7	11	31	42	68	167	317	712
8	11	31	43	70	166	301	599
9	11	32	44	73	166	284	510
10	11	32	45	75	165	267	439
11	10	32	45	75	165	258	381
12	10	31	45	75	164	258	334
13	10	31	44	74	164	257	295
14	9	31	44	74	164	257	261
15	9	30	44	74	163	257	257
16	8	30	45	73	163	256	256
17	8	30	47	73	163	256	256
18	8	30	50	73	162	256	256
19	9	30	52	73	162	256	256
20	9	30	55	73	163	256	256
21	10	30	58	74	163	256	256
22	10	31	61	74	163	257	257
23	10	31	63	74	164	257	257
24	11	31	66	74	164	257	257
25	11	31	68	74	164	257	257
26	12	31	71	75	164	257	257
27	12	31	73	77	164	257	257
28	12	31	76	80	164	257	257
29	13	31	79	82	164	257	257
30	14	31	82	84	164	257	257

## 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	47	62	69	92	214	310	3 109
2	51	66	72	96	218	348	2 331
3	55	70	79	105	217	363	1 769
4	57	74	85	111	217	364	1 372
5	59	77	89	114	218	355	1 089
6	60	79	91	117	217	342	883
7	61	81	92	118	217	326	730

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
8	60	80	92	119	215	309	614
9	59	80	92	121	214	307	523
10	58	79	92	122	212	306	450
11	56	78	91	121	211	304	391
12	55	76	89	119	209	302	342
13	53	75	88	118	207	301	301
14	52	73	86	116	206	299	299
15	50	72	85	115	205	298	298
16	49	71	84	114	204	297	297
17	48	70	83	113	203	296	296
18	47	69	82	112	202	295	295
19	47	68	81	111	201	294	294
20	46	67	81	111	200	294	294
21	45	67	80	110	200	293	293
22	44	66	79	109	199	292	292
23	44	65	78	108	198	291	291
24	43	64	77	108	197	290	290
25	42	63	77	107	196	290	290
26	41	63	76	106	195	289	289
27	40	62	75	105	195	288	288
28	39	61	77	104	194	287	287
29	38	60	79	103	193	286	286
30	38	59	83	102	192	285	285

## 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	21	44	167	306	3 075
2	0	14	21	44	167	343	2 292
3	1	15	23	49	161	355	1 731
4	1	16	26	53	159	354	1 337
5	2	18	30	55	159	345	1 059
6	2	21	32	58	159	332	859
7	4	23	34	60	159	316	710
8	4	24	36	63	159	299	597
9	4	25	37	66	159	282	508
10	4	26	39	68	159	266	437
11	4	26	39	69	159	252	380
12	6	26	39	69	159	252	332
13	6	26	39	69	159	252	293
14	6	26	39	69	159	252	259
15	6	26	42	69	159	252	252
16	7	26	44	69	159	252	252
17	7	26	47	69	159	252	252
18	8	26	49	69	159	252	252
19	9	26	52	69	159	252	252
20	9	26	54	69	159	252	252
21	9	26	57	69	159	252	252

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
22	10	26	59	69	159	252	252
23	10	26	62	69	159	252	252
24	11	26	64	70	159	252	252
25	11	26	67	72	159	252	252
26	11	26	70	75	159	252	252
27	12	26	72	77	159	252	252
28	12	26	75	78	159	252	252
29	13	26	78	81	159	252	252
30	13	26	80	83	159	252	252

## 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	23	46	186	309	3 115
2	0	11	23	46	186	347	2 323
3	1	11	24	51	180	360	1 754
4	1	13	27	57	177	358	1 355
5	2	16	29	60	176	349	1 073
6	2	18	33	61	175	335	869
7	3	21	36	60	174	319	718
8	4	23	37	60	172	302	603
9	6	31	41	58	172	285	513
10	9	34	41	57	171	268	441
11	8	33	41	56	170	263	383
12	6	32	40	56	169	262	335
13	6	30	40	56	168	262	295
14	6	30	41	56	168	261	261
15	6	30	42	56	167	260	260
16	7	30	44	56	165	258	258
17	8	30	47	56	164	257	257
18	8	30	50	57	164	257	257
19	9	30	52	60	164	257	257
20	9	30	55	61	164	257	257
21	9	30	57	63	164	258	258
22	10	30	59	66	164	257	257
23	10	30	62	68	164	257	257
24	11	30	64	70	163	257	257
25	11	30	67	73	163	256	256
26	11	30	69	75	162	256	256
27	12	30	72	76	162	255	255
28	12	30	75	78	162	255	255
29	13	30	78	81	161	254	254
30	13	30	80	83	161	254	254

## 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	83	97	104	127	250	346	3 138
2	80	95	101	125	247	351	2 353
3	77	93	101	127	239	366	1 784
4	75	91	102	129	234	366	1 383
5	73	90	102	127	231	358	1 099
6	72	91	102	128	229	345	893
7	71	90	101	127	226	329	739
8	68	88	100	127	223	317	622
9	66	87	99	128	221	314	530
10	64	86	99	128	219	312	456
11	63	84	98	127	217	311	397
12	61	83	96	126	216	309	347
13	59	81	94	124	214	307	307
14	58	79	93	123	212	306	306
15	56	78	91	121	211	304	304
16	55	77	90	120	210	303	303
17	54	76	89	119	208	302	302
18	53	75	88	118	207	301	301
19	52	74	87	117	207	300	300
20	51	73	86	116	206	299	299
21	50	72	85	115	205	298	298
22	50	71	84	114	204	297	297
23	49	70	83	113	203	296	296
24	47	69	82	112	202	295	295
25	46	68	81	111	201	294	294
26	45	67	80	110	200	293	293
27	44	66	79	109	199	292	292
28	43	65	78	108	198	291	291
29	42	64	81	107	197	290	290
30	42	63	84	106	196	289	289

## 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	56	70	77	100	223	318	3 170
2	54	69	75	99	221	353	2 370
3	52	68	76	102	214	367	1 793
4	51	67	78	105	211	367	1 388
5	50	67	79	104	208	358	1 100
6	49	68	80	106	206	344	892
7	49	69	80	106	204	328	738
8	47	68	79	107	203	311	620
9	46	67	79	108	201	294	527
10	45	67	80	109	200	293	454
11	44	66	79	109	199	292	394

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
12	43	65	78	108	198	291	345
13	43	64	77	107	197	290	304
14	42	63	77	107	196	290	290
15	41	63	76	106	196	289	289
16	40	62	75	105	195	288	288
17	40	61	74	104	194	287	287
18	39	60	74	104	193	287	287
19	38	60	73	103	193	286	286
20	38	60	73	103	193	286	286
21	38	59	73	103	192	286	286
22	37	59	72	102	192	285	285
23	37	58	72	102	191	285	285
24	36	58	71	101	191	284	284
25	36	57	70	100	190	283	283
26	35	57	72	100	189	283	283
27	34	56	75	99	189	282	282
28	34	55	77	98	188	281	281
29	33	54	81	98	187	281	281
30	32	54	83	97	187	280	280

## 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	47	70	193	311	3 137
2	26	40	47	71	193	349	2 342
3	25	40	49	75	187	362	1 768
4	24	40	51	77	183	361	1 366
5	24	41	53	78	182	352	1 082
6	24	43	55	81	181	338	877
7	25	45	56	82	181	322	725
8	24	45	56	84	180	305	609
9	24	45	57	86	179	288	518
10	24	45	58	88	178	272	446
11	23	45	58	88	178	271	387
12	22	44	57	87	177	270	338
13	22	43	56	86	176	269	298
14	21	42	55	86	175	268	268
15	20	42	55	85	174	268	268
16	19	41	54	84	173	267	267
17	19	40	53	83	173	266	266
18	18	40	53	83	172	266	266
19	18	39	53	83	172	265	265
20	18	39	55	83	172	265	265

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
21	18	39	58	83	172	266	266
22	18	39	61	83	172	265	265
23	18	39	63	82	172	265	265
24	17	39	66	82	172	265	265
25	17	39	68	82	172	265	265
26	17	39	71	82	171	265	265
27	17	38	73	82	171	264	264
28	17	38	77	81	171	264	264
29	16	38	79	82	171	264	264
30	16	38	82	84	170	264	264

## 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	25	147	304	3 057
2	0	1	6	26	148	341	2 278
3	1	1	9	31	143	353	1 719
4	1	3	12	35	140	352	1 328
5	2	4	15	36	140	343	1 052
6	2	4	18	40	140	329	853
7	3	6	20	42	140	314	705
8	4	6	23	44	140	297	592
9	4	8	26	47	140	280	504
10	4	8	28	50	140	263	433
11	4	9	31	52	141	247	376
12	6	10	33	50	140	233	329
13	6	11	36	52	141	234	290
14	6	12	39	51	141	234	257
15	6	13	41	50	140	233	233
16	7	13	44	51	139	232	232
17	7	14	46	54	138	232	232
18	8	16	48	57	139	232	232
19	9	16	51	58	139	232	232
20	9	17	54	60	140	233	233
21	9	18	56	63	140	233	233
22	10	19	59	65	140	234	234
23	10	19	62	67	140	234	234
24	11	20	64	69	140	234	234
25	11	22	67	71	140	233	233
26	11	22	69	73	140	233	233
27	12	23	72	75	141	233	233
28	12	24	74	78	141	233	233
29	12	25	76	79	142	233	233
30	13	25	79	81	144	233	233

## 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	57	63	87	209	315	3 183
2	42	57	63	87	209	354	2 376
3	41	56	65	91	203	367	1 795
4	40	57	67	94	200	366	1 387
5	40	58	70	95	199	357	1 098
6	40	59	71	97	198	343	890
7	41	61	72	98	196	327	735
8	40	60	72	99	195	309	617
9	39	60	73	102	194	292	525
10	39	60	73	103	193	287	452
11	38	60	73	103	193	286	392
12	37	59	72	102	192	285	343
13	37	58	71	101	191	284	302
14	36	57	71	101	190	283	283
15	35	57	70	100	190	283	283
16	34	56	69	99	189	282	282
17	34	55	68	98	188	281	281
18	33	55	68	98	187	281	281
19	33	54	67	97	187	280	280
20	32	54	67	97	187	280	280
21	32	54	67	97	187	280	280
22	32	53	67	97	186	280	280
23	31	53	66	96	186	279	279
24	31	52	66	96	185	279	279
25	30	52	69	95	185	278	278
26	30	51	72	95	184	277	277
27	29	51	74	94	184	277	277
28	29	50	77	93	183	276	276
29	28	49	79	93	182	276	276
30	27	49	83	92	182	275	275

## 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	9	24	31	54	177	314	3 164
2	14	28	35	58	181	352	2 360
3	16	32	40	66	178	365	1 782
4	19	35	46	73	179	364	1 377
5	21	39	51	76	180	355	1 091
6	21	39	51	77	178	341	884
7	26	46	57	83	182	325	731
8	25	45	57	84	180	307	613
9	26	47	60	88	181	290	522
10	28	50	63	92	183	276	449
11	30	51	64	94	184	277	390
12	30	52	65	95	185	278	341



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
13	31	52	66	96	185	278	300
14	31	53	66	96	186	279	279
15	31	53	66	96	186	279	279
16	31	52	65	96	185	278	278
17	31	52	65	96	185	278	278
18	30	51	65	95	184	278	278
19	30	51	64	94	184	277	277
20	30	51	64	94	184	277	277
21	29	51	64	94	184	277	277
22	29	51	64	94	184	277	277
23	29	50	64	94	183	277	277
24	28	50	66	93	183	276	276
25	28	50	68	93	182	276	276
26	28	49	71	92	182	275	275
27	27	49	73	92	181	275	275
28	27	48	77	91	181	274	274
29	26	48	79	91	180	274	274
30	25	47	82	90	180	273	273

## 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	8	22	29	53	175	312	3 149
2	9	24	30	54	176	350	2 350
3	10	25	34	60	172	364	1 775
4	10	27	38	64	170	362	1 371
5	11	29	41	66	170	353	1 085
6	13	32	44	70	170	339	879
7	15	35	46	72	170	323	726
8	15	35	47	74	170	305	610
9	15	37	49	78	170	288	519
10	16	38	51	80	171	271	446
11	17	38	51	81	171	264	387
12	17	38	51	82	171	264	339
13	17	38	52	82	171	265	298
14	17	39	52	82	171	265	265
15	17	39	52	82	172	265	265
16	17	38	52	82	171	264	264
17	17	38	52	82	171	265	265
18	17	38	52	82	171	264	264
19	17	38	52	82	171	264	264
20	17	39	55	82	171	265	265
21	17	39	58	82	171	265	265
22	17	38	61	82	171	265	265
23	17	38	63	81	171	264	264
24	16	38	66	81	171	264	264
25	16	37	68	81	170	264	264
26	16	37	71	80	170	263	263

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
27	15	37	73	80	170	263	263
28	15	37	76	80	169	263	263
29	15	36	78	81	169	262	262
30	14	36	81	84	169	262	262

## 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	45	59	66	89	212	318	3 209
2	47	62	69	92	215	357	2 399
3	50	65	74	100	212	371	1 815
4	51	67	78	105	210	371	1 404
5	52	70	82	107	211	362	1 113
6	54	73	85	111	211	348	903
7	56	75	86	112	211	332	747
8	55	75	87	114	210	314	628
9	55	76	88	117	210	303	534
10	55	77	90	119	210	303	459
11	55	77	90	120	210	303	399
12	54	76	89	119	209	302	349
13	54	75	88	118	208	301	307
14	53	74	87	118	207	300	300
15	52	73	87	117	206	299	299
16	51	72	86	116	205	299	299
17	50	72	85	115	204	298	298
18	49	71	84	114	204	297	297
19	49	70	83	113	203	296	296
20	48	69	83	113	202	296	296
21	47	69	82	112	202	295	295
22	46	68	81	111	201	294	294
23	46	67	80	110	200	293	293
24	45	66	79	109	199	292	292
25	44	65	78	108	198	291	291
26	43	64	77	108	197	290	290
27	42	63	77	107	196	289	289
28	41	62	78	106	195	289	289
29	40	62	81	105	194	288	288
30	39	61	83	104	194	287	287

## 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	76	90	97	120	243	338	3 318
2	80	94	101	124	247	369	2 486
3	79	95	103	129	241	384	1 882
4	79	95	106	132	238	383	1 456
5	81	99	111	136	240	374	1 153

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
6	83	102	114	140	240	359	935
7	85	105	116	142	241	342	772
8	86	107	118	146	241	335	649
9	87	108	120	149	242	335	552
10	87	109	122	151	242	335	475
11	87	109	122	152	242	335	412
12	86	108	121	151	241	334	361
13	85	106	120	150	239	333	333
14	83	105	118	148	238	331	331
15	82	103	117	147	236	330	330
16	81	102	115	145	235	328	328
17	79	101	114	144	233	327	327
18	78	99	112	143	232	325	325
19	76	98	111	141	231	324	324
20	75	97	110	140	229	323	323
21	74	95	108	138	228	321	321
22	72	94	107	137	227	320	320
23	71	92	105	135	225	318	318
24	69	91	104	134	223	317	317
25	68	89	102	132	222	315	315
26	66	87	101	131	220	314	314
27	64	86	99	129	219	312	312
28	63	84	98	128	217	310	310
29	61	83	96	126	216	309	309
30	60	81	95	125	214	308	308

## 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	1	15	22	46	168	312	3 143
2	4	19	26	49	172	350	2 347
3	7	22	31	57	169	363	1 774
4	8	25	36	62	168	362	1 370
5	11	28	40	65	169	353	1 085
6	13	32	44	69	170	339	879
7	15	35	46	72	170	323	726
8	15	36	47	75	171	306	610
9	16	37	49	78	171	288	519
10	16	38	51	80	171	271	446
11	16	38	51	81	171	264	387
12	16	38	51	81	170	264	339
13	16	37	50	80	170	263	298
14	15	36	50	80	169	262	264
15	14	36	49	79	168	262	262
16	13	35	48	78	168	261	261
17	13	34	48	78	167	260	260
18	12	34	50	77	167	260	260

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
19	12	34	52	77	166	260	260
20	12	34	55	77	167	260	260
21	12	34	58	77	167	260	260
22	12	34	61	77	167	260	260
23	12	34	63	77	167	260	260
24	12	34	66	77	167	260	260
25	12	34	68	77	167	260	260
26	12	34	71	77	166	260	260
27	12	33	73	78	166	260	260
28	12	33	76	80	166	259	259
29	14	33	79	82	166	259	259
30	14	33	81	84	166	259	259

## 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	87	101	108	131	254	349	3 408
2	87	102	108	132	254	376	2 544
3	86	102	110	136	248	390	1 921
4	86	103	113	140	246	389	1 483
5	87	104	116	141	245	379	1 173
6	87	106	118	144	244	364	950
7	88	108	119	145	244	347	784
8	88	109	120	148	244	337	658
9	88	109	121	150	243	336	559
10	86	108	121	150	241	334	481
11	85	106	120	149	239	332	417
12	83	104	118	148	237	331	364
13	81	103	116	146	235	329	329
14	79	101	114	144	233	327	327
15	77	99	112	142	232	325	325
16	75	97	110	140	229	323	323
17	73	95	108	138	228	321	321
18	72	93	107	137	226	319	319
19	70	92	105	135	225	318	318
20	69	91	104	134	224	317	317
21	68	90	103	133	223	316	316
22	67	89	102	132	222	315	315
23	66	88	101	131	221	314	314
24	65	87	100	130	220	313	313
25	64	86	99	129	218	312	312
26	63	84	98	128	217	311	311
27	62	83	97	127	216	309	309

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
28	61	82	95	126	215	308	308
29	60	81	94	125	214	307	307
30	59	80	93	124	213	306	306

## 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	347	361	368	391	514	610	3 465
2	71	86	93	116	239	380	2 575
3	74	89	98	124	236	393	1 939
4	77	93	104	130	236	392	1 496
5	79	96	109	134	237	381	1 183
6	81	100	112	138	238	366	958
7	83	103	114	140	239	349	791
8	84	105	116	144	239	333	664
9	85	106	118	147	240	333	565
10	85	106	119	149	239	333	485
11	85	106	120	150	239	333	421
12	85	107	120	150	239	333	368
13	85	107	120	150	240	333	333
14	86	108	121	151	240	334	334
15	87	108	121	152	241	334	334
16	88	109	122	153	242	335	335
17	89	110	124	154	243	336	336
18	90	111	125	155	244	338	338
19	91	112	126	156	245	338	338
20	92	113	126	156	246	339	339
21	92	113	126	157	246	339	339
22	92	113	126	156	246	339	339
23	91	113	126	156	245	339	339
24	90	112	125	155	245	338	338
25	89	111	124	154	244	337	337
26	88	110	123	153	243	336	336
27	87	109	122	152	242	335	335
28	86	107	121	151	240	333	333
29	85	106	119	149	239	332	332
30	83	105	118	148	238	331	331

## 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	4	11	34	157	309	3 115
2	0	4	11	34	157	347	2 322
3	1	4	13	39	151	359	1 753
4	1	4	15	42	148	358	1 353
5	2	6	18	43	147	349	1 071
6	2	8	19	45	146	335	868

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
7	3	10	21	47	145	319	717
8	4	10	23	49	145	302	602
9	4	10	26	51	143	284	512
10	4	10	29	52	143	267	441
11	4	10	31	53	143	251	382
12	6	10	34	53	143	236	335
13	6	11	36	53	143	236	295
14	6	12	39	54	143	236	261
15	6	13	42	54	143	237	237
16	7	13	44	54	143	236	236
17	8	15	47	55	144	237	237
18	8	16	50	57	144	237	237
19	9	16	52	60	145	238	238
20	9	17	55	61	146	239	239
21	9	19	58	64	146	240	240
22	10	19	60	66	147	240	240
23	10	20	62	68	148	241	241
24	11	21	65	71	148	242	242
25	11	22	68	73	149	242	242
26	11	22	71	75	149	242	242
27	12	24	73	77	150	243	243
28	12	25	76	80	150	243	243
29	13	25	78	81	150	243	243
30	14	27	81	83	150	244	244

## 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	63	70	93	216	316	3 192
2	49	64	70	94	216	355	2 385
3	49	64	73	99	211	369	1 803
4	48	64	75	102	207	368	1 394
5	48	65	78	103	206	359	1 104
6	49	68	79	105	206	345	895
7	49	69	80	106	204	329	740
8	48	69	81	108	204	311	621
9	48	69	81	110	203	296	529
10	47	68	82	111	202	295	455
11	46	67	80	110	200	293	395
12	44	65	79	109	198	292	345
13	42	64	77	107	197	290	304
14	41	62	75	106	195	288	288
15	39	61	74	104	194	287	287
16	37	59	72	102	192	285	285
17	36	58	71	101	191	284	284
18	35	57	70	100	189	283	283
19	34	56	69	99	188	282	282
20	34	55	68	98	188	281	281

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
21	33	54	68	98	187	281	281
22	32	54	67	97	187	280	280
23	32	53	66	96	186	279	279
24	31	52	67	96	185	279	279
25	30	52	70	95	185	278	278
26	29	51	72	94	184	277	277
27	29	50	75	94	183	276	276
28	28	50	77	93	182	276	276
29	27	49	81	92	182	275	275
30	27	48	83	92	181	274	274

## 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	109	124	130	154	276	372	3 463
2	110	125	131	155	277	381	2 582
3	111	126	135	161	273	396	1 950
4	112	128	139	166	271	395	1 506
5	113	130	143	168	271	385	1 193
6	114	133	145	170	271	370	966
7	115	135	146	172	270	364	798
8	114	135	146	174	270	363	670
9	114	135	147	176	269	362	570
10	113	134	147	177	267	361	491
11	111	133	146	176	266	359	426
12	109	131	144	174	264	357	372
13	107	129	142	172	262	355	355
14	105	127	140	170	259	353	353
15	103	124	137	167	257	350	350
16	100	121	135	165	254	348	348
17	98	119	132	162	252	345	345
18	95	117	130	160	250	343	343
19	93	115	128	158	248	341	341
20	92	113	126	156	246	339	339
21	90	111	125	155	244	337	337
22	88	110	123	153	242	336	336
23	86	108	121	151	241	334	334
24	84	106	119	149	239	332	332
25	83	104	117	147	237	330	330
26	81	102	116	146	235	329	329
27	79	101	114	144	234	327	327
28	78	99	112	142	232	325	325
29	76	98	111	141	230	324	324
30	75	96	109	139	229	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	169	184	190	214	336	432	3 515
2	178	193	199	223	345	441	2 638
3	182	197	206	232	344	439	2 002
4	182	199	210	236	342	436	1 549
5	183	200	213	238	341	435	1 227
6	183	202	213	239	340	433	994
7	183	203	214	240	338	432	821
8	181	202	213	241	337	430	688
9	180	201	213	242	335	428	585
10	179	200	214	243	334	427	503
11	177	199	212	242	332	425	436
12	175	196	209	239	329	422	422
13	172	193	206	236	326	419	419
14	169	190	203	233	323	416	416
15	165	187	200	230	320	413	413
16	162	184	197	227	316	410	410
17	159	180	194	224	313	406	406
18	156	177	190	220	310	403	403
19	152	174	187	217	307	400	400
20	149	171	184	214	304	397	397
21	146	168	181	211	301	394	394
22	143	165	178	208	298	391	391
23	140	161	175	205	294	388	388
24	137	158	172	202	291	384	384
25	134	155	168	198	288	381	381
26	131	152	165	195	285	378	378
27	128	149	162	192	282	375	375
28	125	146	159	190	279	372	372
29	122	143	157	187	276	370	370
30	119	141	154	184	274	367	367

## 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	22	36	43	66	189	323	3 261
2	22	37	44	67	190	362	2 432
3	22	37	46	72	184	375	1 836
4	22	38	49	76	181	374	1 418
5	22	40	52	77	181	364	1 122
6	23	42	54	79	180	350	910
7	24	44	55	81	179	333	752
8	23	43	55	82	178	316	631
9	22	43	56	85	177	297	537
10	22	43	57	86	177	280	461
11	21	43	56	86	176	269	400



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
12	21	42	56	86	175	268	350
13	20	42	55	85	175	268	308
14	20	41	54	85	174	267	272
15	19	41	54	84	174	267	267
16	19	41	54	84	174	267	267
17	19	41	54	84	174	267	267
18	19	41	54	84	174	267	267
19	19	41	54	84	174	267	267
20	20	41	57	84	174	267	267
21	20	41	59	84	174	267	267
22	20	41	62	84	174	267	267
23	19	41	65	84	174	267	267
24	19	41	67	84	174	267	267
25	19	41	70	84	173	267	267
26	19	40	72	84	173	266	266
27	19	40	75	83	173	266	266
28	18	40	78	83	173	266	266
29	18	40	81	83	172	266	266
30	18	39	83	86	172	265	265

## 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	17	32	39	62	185	323	3 266
2	19	34	40	64	186	362	2 436
3	21	36	45	71	183	375	1 839
4	22	38	49	76	181	374	1 419
5	24	41	54	79	182	364	1 123
6	26	44	56	82	183	350	909
7	28	48	59	85	183	333	751
8	28	48	60	87	183	315	630
9	29	50	62	91	184	297	536
10	29	51	64	93	184	279	461
11	30	52	65	95	184	278	400
12	30	52	65	95	185	278	350
13	30	52	65	95	185	278	308
14	30	51	65	95	184	278	278
15	30	51	64	95	184	277	277
16	29	51	64	94	184	277	277
17	29	51	64	94	184	277	277
18	29	51	64	94	184	277	277
19	29	51	64	94	184	277	277
20	30	51	64	94	184	277	277
21	30	51	65	95	184	277	277
22	30	51	65	95	184	277	277
23	30	51	65	94	184	277	277
24	29	51	67	94	184	277	277

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
25	29	51	70	94	183	277	277
26	29	50	72	93	183	276	276
27	28	50	76	93	183	276	276
28	28	49	78	92	182	275	275
29	27	49	81	92	182	275	275
30	27	48	84	92	181	274	274

## 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	119	133	140	163	286	381	3 549
2	117	132	138	162	284	388	2 636
3	116	131	140	166	278	401	1 984
4	115	131	142	169	275	399	1 528
5	115	133	145	170	274	388	1 206
6	115	134	146	172	272	372	975
7	116	136	147	173	271	364	803
8	115	135	147	174	270	364	673
9	114	135	147	176	269	362	572
10	114	135	149	178	269	362	491
11	113	135	148	178	268	361	425
12	112	134	147	177	267	360	371
13	111	133	146	176	265	359	359
14	110	131	145	175	264	357	357
15	108	129	142	172	262	355	355
16	105	127	140	170	260	353	353
17	103	124	137	167	257	350	350
18	100	122	135	165	255	348	348
19	98	120	133	163	253	346	346
20	96	118	131	161	250	344	344
21	94	115	129	159	248	341	341
22	92	113	126	156	246	339	339
23	89	111	124	154	244	337	337
24	87	109	122	152	242	335	335
25	85	107	120	150	239	333	333
26	83	104	118	148	237	331	331
27	81	102	116	146	235	328	328
28	79	100	114	144	233	326	326
29	77	98	112	142	231	324	324
30	75	96	110	140	229	323	323

## 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	3	9	33	155	312	3 141
2	0	5	12	35	158	350	2 346
3	1	7	16	42	153	363	1 773

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
4	1	9	20	47	152	362	1 371
5	2	12	24	49	153	353	1 086
6	2	15	27	53	154	339	880
7	3	19	30	56	154	323	727
8	4	19	31	58	154	306	611
9	4	20	33	61	154	289	520
10	4	21	34	63	154	272	447
11	4	21	34	64	154	255	388
12	6	21	35	64	154	247	340
13	6	21	37	64	153	247	299
14	6	20	39	64	153	246	265
15	6	20	42	64	153	246	246
16	7	20	45	63	153	246	246
17	8	20	48	63	153	246	246
18	8	20	50	63	153	246	246
19	9	20	53	63	153	246	246
20	9	21	55	64	154	247	247
21	10	21	58	65	154	247	247
22	10	22	61	67	155	248	248
23	10	22	63	69	155	248	248
24	11	22	66	71	155	248	248
25	11	23	68	73	155	249	249
26	11	23	71	75	156	249	249
27	12	24	73	78	156	249	249
28	12	25	76	80	156	249	249
29	14	25	79	82	156	249	249
30	14	27	81	84	156	250	250

## 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	30	44	51	74	197	314	3 165
2	30	45	51	75	197	352	2 360
3	29	44	53	79	191	365	1 781
4	28	44	55	81	187	363	1 375
5	28	45	57	82	186	354	1 088
6	31	49	61	87	188	339	881
7	28	48	59	85	184	323	727
8	33	53	65	92	188	306	610
9	32	53	65	94	187	288	519
10	26	48	61	90	181	274	446
11	22	43	56	86	176	269	387
12	18	39	53	83	172	266	338
13	15	37	50	80	170	263	298
14	13	35	48	78	168	261	264
15	12	33	46	77	166	259	259
16	10	32	45	75	165	258	258

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
17	9	31	47	74	164	257	257
18	9	30	50	73	163	256	256
19	9	30	52	73	163	256	256
20	9	30	55	73	163	256	256
21	9	30	58	73	163	256	256
22	10	30	60	73	163	256	256
23	10	30	63	73	163	256	256
24	11	30	66	73	163	256	256
25	11	30	68	73	163	256	256
26	11	30	71	75	162	256	256
27	12	30	73	77	162	256	256
28	12	29	76	80	162	256	256
29	13	29	78	81	162	255	255
30	14	29	81	84	162	255	255

## 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	181	196	202	226	348	444	3 736
2	179	193	200	224	346	442	2 780
3	175	190	199	225	337	432	2 096
4	171	187	198	225	330	424	1 614
5	167	185	197	222	326	419	1 274
6	164	183	195	221	321	415	1 029
7	162	182	193	219	317	411	847
8	158	178	190	217	313	406	709
9	154	175	188	216	309	402	601
10	151	172	185	215	305	399	516
11	147	168	182	212	301	395	446
12	143	165	178	208	297	391	391
13	139	161	174	204	294	387	387
14	136	157	170	200	290	383	383
15	132	154	167	197	286	380	380
16	129	150	164	194	283	376	376
17	126	147	160	191	280	373	373
18	123	144	158	188	277	370	370
19	120	142	155	185	274	368	368
20	118	139	152	182	272	365	365
21	115	136	150	180	269	363	363
22	112	134	147	177	267	360	360
23	110	131	145	175	264	358	358
24	107	129	142	172	262	355	355
25	105	127	140	170	259	353	353
26	103	124	137	167	257	350	350
27	100	122	135	165	255	348	348

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
28	98	120	133	163	253	346	346
29	96	118	131	161	251	344	344
30	94	116	129	159	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	15	26	54	172	313	3 162
2	0	15	26	54	172	352	2 360
3	1	17	29	58	169	365	1 782
4	1	20	32	63	168	364	1 377
5	2	23	37	69	169	354	1 090
6	4	26	40	70	170	340	883
7	6	31	42	72	170	324	730
8	8	34	46	74	171	307	612
9	10	37	49	76	171	289	521
10	11	38	51	76	171	272	448
11	12	40	52	78	171	265	389
12	12	41	54	79	171	265	340
13	13	42	54	80	172	265	299
14	13	43	55	80	172	265	265
15	14	43	55	80	172	265	265
16	14	43	55	80	171	265	265
17	14	43	55	80	171	265	265
18	14	43	55	80	171	265	265
19	14	43	55	80	172	265	265
20	14	43	55	80	172	265	265
21	14	43	58	80	172	266	266
22	14	43	61	80	173	266	266
23	14	43	63	80	173	266	266
24	14	43	66	80	173	266	266
25	14	43	68	80	173	266	266
26	14	43	71	80	173	266	266
27	14	43	73	80	173	266	266
28	14	43	76	80	173	266	266
29	14	43	79	82	173	266	266
30	14	43	81	84	173	266	266

## 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	134	307	3 091
2	0	1	6	15	132	344	2 302
3	1	1	9	18	125	356	1 736
4	1	3	12	21	122	354	1 339
5	2	4	15	24	121	345	1 060
6	2	4	18	27	121	331	858

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
7	3	6	20	30	120	315	709
8	4	6	23	32	120	298	595
9	4	8	26	35	121	281	506
10	4	8	28	37	121	264	435
11	4	9	31	40	121	248	377
12	6	10	33	42	121	232	330
13	6	11	36	44	122	218	291
14	6	12	39	47	122	215	257
15	6	13	41	49	122	216	229
16	7	13	44	51	122	216	216
17	7	14	46	54	123	216	216
18	8	16	49	57	125	217	217
19	9	16	51	58	128	217	217
20	9	17	54	61	130	218	218
21	9	18	56	63	132	219	219
22	10	19	59	65	133	219	219
23	10	20	62	67	135	220	220
24	11	20	64	69	136	220	220
25	11	22	67	71	138	220	220
26	11	22	69	73	139	220	220
27	12	23	72	76	141	220	220
28	12	24	74	78	142	221	221
29	12	25	76	79	142	221	221
30	13	25	79	81	144	221	221

## ANNEX III

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

Currency	National insurance market	Volatility adjustment (in bps)
Euro	Austria	9
Euro	Belgium	9
Euro	Cyprus	9
Euro	Estonia	9
Euro	Finland	9
Euro	France	9
Euro	Germany	9
Euro	Greece	9
Euro	Ireland	9
Euro	Italy	9
Euro	Latvia	9
Euro	Lithuania	9
Euro	Luxembourg	9
Euro	Malta	9
Euro	Netherlands	9
Euro	Portugal	9
Euro	Slovakia	9
Euro	Slovenia	9
Euro	Spain	9
Czech koruna	Czech Republic	2
Danish krone	Denmark	40
Forint	Hungary	5
Krona	Sweden	4
Kuna	Croatia	7
Lev	Bulgaria	- 1
Pound sterling	United Kingdom	21
Romanian leu	Romania	- 3
Zloty	Poland	13
Króna	Iceland	11
Norwegian krone	Norway	21
Swiss franc	Liechtenstein	1
Swiss franc	Switzerland	1
Australian dollar	Australia	10
Canadian dollar	Canada	7
US dollar	United States	40
Yen	Japan	2

**COMMISSION IMPLEMENTING REGULATION (EU) 2017/1422****of 4 August 2017****designating the European Union reference centre responsible for the scientific and technical contribution to the harmonisation and improvement of the methods of performance testing and genetic evaluation of purebred breeding animals of the bovine species****(Text with EEA relevance)**

THE EUROPEAN COMMISSION,

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

Having regard to Regulation (EU) 2016/1012 of the European Parliament and of the Council of 8 June 2016 on zootechnical and genealogical conditions for the breeding, trade in and entry into the Union of purebred breeding animals, hybrid breeding pigs and the germinal products thereof and amending Regulation (EU) No 652/2014, Council Directives 89/608/EEC and 90/425/EEC and repealing certain acts in the area of animal breeding ('Animal Breeding Regulation')<sup>(1)</sup>, and in particular Article 29(1) thereof,

Whereas:

- (1) During the meeting of the Commission Working Group on Zootechnics of 15 November 2016, experts from the Member States expressed the continued need to promote the harmonisation and improvement of the methods of performance testing and genetic evaluation of purebred breeding animals of the bovine species used by breed societies or by third parties designated by those breed societies.
- (2) The Commission, in accordance with Article 29(3) of Regulation (EU) 2016/1012, carried out a public call for selection and designation of the European Union reference centre responsible for the scientific and technical contribution to the harmonisation and improvement of the methods in relation to purebred breeding animals of the bovine species.
- (3) The evaluation and selection board appointed for that call concluded that the 'Interbull Centre' complies with the requirements set out in point 1 of Annex IV to Regulation (EU) 2016/1012 and could be responsible for the tasks set out in point 2 of that Annex.
- (4) The 'Interbull Centre' should therefore be designated as the European Union reference centre responsible for the scientific and technical contribution to the harmonisation and improvement of the methods of performance testing and genetic evaluation of purebred breeding animals of the bovine species. The designation is to be reviewed regularly in accordance with Article 29(3) of Regulation (EU) 2016/1012.
- (5) This Regulation should be applicable from 1 November 2018 in accordance with the date of application provided for in Article 69 of Regulation (EU) 2016/1012.
- (6) The measures provided for in this Regulation are in accordance with the opinion of the Standing Committee on Zootechnics,

HAS ADOPTED THIS REGULATION:

*Article 1*

The following centre shall be designated as the European Union reference centre responsible for the scientific and technical contribution to the harmonisation and improvement of the methods of performance testing and genetic evaluation of purebred breeding animals of the bovine species:

Interbull Centre  
Department of Animal Breeding and Genetics  
Swedish University of Agricultural Science — SLU  
Ulls väg 26  
Box 7023  
SE-750 07 Uppsala  
Sweden

<sup>(1)</sup> OJ L 171, 29.6.2016, p. 66.



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*Article 2*

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 November 2018.

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

Done at Brussels, 4 August 2017.

*For the Commission*  
*The President*  
Jean-Claude JUNCKER

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**COMMISSION IMPLEMENTING REGULATION (EU) 2017/1423****of 4 August 2017****amending Council Regulation (EU) 2016/44 concerning restrictive measures in view of the situation in Libya**

THE EUROPEAN COMMISSION,

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

Having regard to Council Decision (CFSP) 2015/1333 of 31 July 2015 concerning restrictive measures in view of the situation in Libya, and repealing Decision 2011/137/CFSP <sup>(1)</sup>,Having regard to Council Regulation (EU) 2016/44 of 18 January 2016 concerning restrictive measures in view of the situation in Libya and repealing Regulation (EU) No 204/2011 <sup>(2)</sup>, and in particular Article 20(b) thereof,

Whereas:

- (1) Annex V to Regulation (EU) 2016/44 lists vessels designated by the United Nations Sanctions Committee in accordance with paragraph 11 of United Nations Security Council Resolution (UNSCR) 2146 (2014). Those vessels are subject to a number of prohibitions under that Regulation, including the prohibition to load, transport or discharge crude oil from Libya and to access ports in the territory of the Union.
- (2) On 21 July 2017, the United Nations Security Council Committee added the vessel *Capricorn* to the list of vessels subject to restrictive measures. Therefore, Annex V to Regulation (EU) 2016/44 should be amended accordingly.
- (3) In order to ensure that the measures provided for in this Regulation are effective, this Regulation should enter into force immediately,

HAS ADOPTED THIS REGULATION:

*Article 1*

Annex V to Council Regulation (EU) 2016/44 is amended as set out in the Annex to this Regulation.

*Article 2*This Regulation shall enter into force on the day of its publication in the *Official Journal of the European Union*.

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

Done at Brussels, 4 August 2017.

*For the Commission,  
On behalf of the President,  
Head of the Service for Foreign Policy Instruments*

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<sup>(1)</sup> OJ L 206, 1.8.2015, p. 34.

<sup>(2)</sup> OJ L 12, 19.1.2016, p. 1.

## ANNEX

Annex V to Regulation (EU) 2016/44 is replaced by the following:

## 'ANNEX V

**LIST OF VESSELS REFERRED TO IN POINT (H) OF ARTICLE 1 AND ARTICLE 15 AND APPLICABLE  
MEASURES AS SPECIFIED BY THE SANCTIONS COMMITTEE**

**Name:** CAPRICORN

Listed pursuant to paragraphs 10(a) and 10 (b) of resolution 2146 (2014), as extended and modified by paragraph 2 of resolution 2362 (2017) (prohibition to load, transport or discharge; prohibition to enter ports). Pursuant to paragraph 11 of resolution 2146, this designation is valid from 21 July to 21 October 2017, unless terminated earlier by the Committee pursuant to paragraph 12 of resolution 2146. Flag State: Tanzania.

**Additional information**

As of 16 July 2017, the vessel was located off shore Cyprus.'

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# DECISIONS

## COUNCIL DECISION (CFSP) 2017/1424

of 4 August 2017

### **in support of OSCE activities to reduce the risk of illicit trafficking and excessive accumulation of small arms and light weapons and conventional ammunition in the former Yugoslav Republic of Macedonia and Georgia**

THE COUNCIL OF THE EUROPEAN UNION,

Having regard to the Treaty on European Union, and in particular Articles 28(1) and 31(1) thereof,

Whereas:

- (1) On 15 and 16 December 2005, the European Council adopted the EU Strategy to combat the illicit accumulation and trafficking of small arms and light weapons ('SALW') and their ammunition ('EU SALW Strategy'). The EU SALW Strategy underlined that in order to minimise the risk posed by the illicit trade in and excessive accumulation of SALW, particular attention should be paid to the enormous accumulation of SALW stockpiled in some parts of Eastern and South-Eastern Europe, and the ways in which they are disseminated in conflict zones.
- (2) The EU SALW Strategy identifies among its objectives the fostering of effective multilateralism so as to forge mechanisms, whether international, regional or within the Union and its Member States, for countering the supply and destabilising spread of SALW and their ammunition. In its Action Plan, the EU SALW Strategy singles out the Organisation for Security and Co-operation in Europe (OSCE) as one of the regional organisations with which cooperation should be developed.
- (3) The EU SALW Strategy contains dedicated provisions on the support to be provided to the OSCE action to combat the illicit trade in SALW and their ammunition and the destruction of OSCE participating States' surplus stocks. In particular, the Union is participating in the efforts to reduce surplus stocks of SALW and conventional ammunition left over from the Cold War in Eastern Europe through cooperation with the OSCE whose help has been requested by participating States concerned.
- (4) In 2000, the OSCE participating States adopted the OSCE Document on SALW by which they committed themselves to combatting illicit trafficking of SALW in all its aspects. That Document also emphasises the destabilising effects that the excessive accumulation of SALW and its poor stockpile management and security can have on national, regional and international security.
- (5) Furthermore, in 2003, the OSCE participating States adopted the OSCE Document on Stockpiles of Conventional Ammunition (SCA) recognising thereby the security and safety risks posed by the excessive accumulation of conventional ammunition. In order to address these risks, they decided to establish a practical procedure for the provision of assistance for the destruction of surplus conventional ammunition and/or upgrading stockpile management and security practices.
- (6) The OSCE Documents on SALW and SCA identify destruction as the preferred method for the disposal of surplus SALW and conventional ammunition.
- (7) In 2016, the former Yugoslav Republic of Macedonia and Georgia addressed the OSCE participating States at the OSCE Forum for Security Cooperation with a request for assistance under the OSCE Documents on SALW and SCA in improving the security of SALW and the destruction of conventional ammunition.

- (8) The Union previously supported OSCE activities by means of Council Decision 2012/662/CFSP <sup>(1)</sup>. The Decision, whose implementation ended in 2015, funded activities such as the destruction of SALW surpluses, improvement of security and management of weapons stockpiles, development of appropriate tools for record keeping of weapons, and enhancement of conventional arms transfer controls;
- (9) On 19 December 2016, the Council adopted Decision (CFSP) 2016/2356 <sup>(2)</sup>. The new phase of the South-Eastern and Eastern Europe Clearinghouse for the Control of the Small Arms and Light Weapons ('SEESAC') project will build upon the achievements under Council Decision 2013/730/CFSP <sup>(3)</sup> while maintaining the holistic approach to tackling the threat posed by SALW in the region. In particular, the project will work to coordinate with initiatives in the former Yugoslav Republic of Macedonia seeking to increase stockpile management capacities of the police,

HAS ADOPTED THIS DECISION:

#### *Article 1*

1. For the purpose of promoting peace and security, and effective multilateralism at global and regional levels, the Union shall pursue the following objectives:

- to enhance peace and security in the neighbourhood of the Union, by reducing the threat posed by the illicit trafficking and excessive accumulation of SALW and conventional ammunition in the OSCE region,
- to support effective multilateralism at regional level by supporting the action of the OSCE to prevent the illicit trafficking and excessive accumulation of SALW and conventional ammunition.

2. In order to achieve the objective referred to in paragraph 1, the Union shall undertake the following measures:

- reducing the risk of the illicit proliferation of SALW in the former Yugoslav Republic of Macedonia,
- disposal of surplus ammunition in Georgia.

A detailed description of the projects referred to in this paragraph is set out in the Annex.

#### *Article 2*

1. The High Representative of the Union for Foreign Affairs and Security Policy ('HR') shall be responsible for the implementation of this Decision.

2. The technical implementation of the projects referred to in Article 1(2) shall be carried out by the OSCE Secretariat.

3. The OSCE Secretariat shall perform its tasks under the responsibility of the HR. For this purpose, the HR shall enter into the necessary arrangements with the OSCE Secretariat.

#### *Article 3*

1. The financial reference amount for the implementation of the project referred to in Article 1(2) shall be EUR 1 353 878,52.

<sup>(1)</sup> Council Decision 2012/662/CFSP of 25 October 2012 in support of activities to reduce the risk of illicit trade in, and excessive accumulation of, Small Arms and Light Weapons in the region covered by the Organisation for Security and Cooperation in Europe (OSCE) (OJ L 297, 26.10.2012, p. 29).

<sup>(2)</sup> Council Decision (CFSP) 2016/2356 of 19 December 2016 in support of SEESAC disarmament and arms control activities in South-East Europe in the framework of the EU Strategy to combat illicit accumulation and trafficking of SALW and their ammunition (OJ L 348, 21.12.2016, p. 60).

<sup>(3)</sup> Council Decision 2013/730/CFSP of 9 December 2013 in support of SEESAC disarmament and arms control activities in South East Europe in the framework of the EU Strategy to Combat the Illicit Accumulation and Trafficking of SALW and their Ammunition (OJ L 332, 11.12.2013, p. 19).

2. The expenditure financed by the amount set out in paragraph 1 shall be managed in accordance with the procedures and rules applicable to the general budget of the Union.
3. The Commission shall supervise the proper management of the expenditure referred to in paragraph 1. For this purpose, it shall conclude a financing agreement with the OSCE Secretariat. The financing agreement shall stipulate that the OSCE Secretariat has to ensure the visibility of the Union contribution, appropriate to its size.
4. The Commission shall endeavour to conclude the financing agreement referred to in paragraph 3 as soon as possible after the entry into force of this Decision. It shall inform the Council of any difficulties in that process and of the date of conclusion of the financing agreement.

*Article 4*

The HR shall report to the Council on the implementation of this Decision on the basis of regular reports prepared by the OSCE Secretariat. These reports shall form the basis for the evaluation carried out by the Council. The Commission shall report on the financial aspects of the implementation of the projects referred to in Article 1(2).

*Article 5*

1. This Decision shall enter into force on the date of its adoption.
2. This Decision shall expire 36 months after the date of conclusion of the financing agreement referred to in Article 3(3). However, this Decision shall expire 6 months after the date of its entry into force if that financing agreement has not been concluded by that time.

Done at Brussels, 4 August 2017.

*For the Council*  
*The President*  
M. MAASIKAS

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## ANNEX

## 1. Background

In 2016, two OSCE participating States — the former Yugoslav Republic of Macedonia and Georgia — requested support for activities related to increased security for small arms and light weapons (SALW) and the disposal of surplus conventional ammunition.

In 2016, the former Yugoslav Republic of Macedonia declared that it needed assistance to increase the physical and IT security of SALW and ammunition storage rooms in 15 border police stations (BPS) and one regional centre for border affairs (RCBA). Further, the request identified the need to increase the capacity of the Ministry of Internal Affairs (MoIA) by improving the stockpile management procedures of service weapons. The OSCE Mission to Skopje (OMSk) has provided continuous support to the MoIA in the security domain through facilitating cross-border joint exercises, organising training courses on fighting organised crime, green border observation, conducting face recognition, and profiling. Building upon the existing co-operation, the MoIA has identified the OMSk as a partner for implementing the security upgrades and capacity building.

After the Cold War, the Ministry of Defence of Georgia was left with substantial stockpiles of Soviet-era conventional ammunition. Some of these stockpiles have been reduced as part of national efforts, as well as international and bilateral assistance projects. Thus, in 2005-2013 three projects were completed for the disposal of guided and unguided rockets with the support of the NATO Maintenance and Supply Agency and the US State Department. In 2007, 2011 and 2012, the OSCE and UNDP also supported projects for the utilisation, processing and disposal of the remaining surpluses of guided and unguided aircraft rockets and their hazardous components. Moreover, the OSCE provided assistance for the disposal of cluster munitions, bombs and artillery shells in 2012-2016.

In 2016, Georgia submitted a new request for assistance to the OSCE Forum for Security Co-operation (FSC) for the disposal of 461 tonnes of surplus conventional ammunition, which includes 121 tonnes of artillery shells and 340 tonnes of bombs. Although the OSCE does not currently have a field presence in Georgia, the Organisation has a successful track record in implementing ammunition disposal projects in the country. The OSCE and Georgia have established a framework for co-operation by developing a 'Programme for Demilitarisation Works of Outdated, Written off and Obsolete Ammunition Existing at the Military Bases in Georgia'. In April 2014, the OSCE Secretariat and Georgia signed a Memorandum of Understanding (MoU), which regulates additional details about the implementation of the Programme.

As a continuation of the successful implementation of Decision 2012/662/CFSP, the current projects focus on further strengthening the national control over SALW and ammunition and assisting the former Yugoslav Republic of Macedonia and Georgia in meeting their international commitments in this area.

## 2. Overall objective

To strengthen the security in the regions of South-Eastern Europe and the South Caucasus by reducing the threat from the uncontrolled proliferation of SALW and conventional ammunition.

## 3. Description of the projects

The projects build upon the past and ongoing OSCE activities to reduce surplus stockpiles, improve security, and prevent the theft of SALW and ammunition, thus contributing to counter-terrorism efforts by enabling OSCE participating States to address one of the sources of supply to terrorist networks.

## 3.1 Project 1: Reducing the risk of the illicit proliferation of SALW in the former Yugoslav Republic of Macedonia

## 3.1.1 Objective

To increase the capacity of the MoIA of the former Yugoslav Republic of Macedonia to secure its stockpiles of SALW and ammunition thereby reducing the risk for their illicit proliferation, including for terrorist purposes.

### 3.1.2 Description

In the request for assistance to the OSCE, the MoIA identified the vulnerability of storage rooms for SALW and ammunition in 15 BPS and one RCBA. The attack against the BPS near Gosince in April 2015, which resulted in the theft of weapons and ammunition, has triggered a comprehensive review of the security of SALW storage rooms in BPS. In response to the request for assistance, the OSCE Mission to Skopje conducted needs assessment, which included visits to all 15 BPS and the RCBA. The OSCE identified a number of challenges relating to the security of SALW in these stations, including the need to improve the physical security of the existing storage rooms, to enhance the record-keeping procedures, to increase the capacity of the personnel for management of service and seized SALW, and to increase the capability of the MoIA to prevent proliferation of SALW from its stockpiles.

### 3.1.3 Expected results

With this activity the OSCE Mission to Skopje (OMSk) continues its efforts to build the capacities of the MoIA in the areas of fighting organised crime and terrorism. The project will contribute to the achievement of the following specific results:

Result 1: Increased physical and IT security of SALW and ammunition stockpiles in 15 BPS and one RCBA

Indicators:

— 15 BPS and one RCBA have SALW storage rooms with increased physical and IT protection.

Result 2: Increased capacity of MoIA to implement SALW stockpile management.

Indicators:

— developed Standard Operating Procedures (SOPs) for management of service weapons,

— one course to train trainers has been organised,

— 16 on-site training courses provided in 15 BPS and one RCBA provided.

### 3.1.4 Project Implementation Team

The project implementation team (PIT) will consist of a Law Enforcement Project Co-ordinator (LEPC) and a project assistant. The PIT will be responsible for the entire project cycle management, including establishing the legal, managerial, monitoring and verification frameworks, for effective achievement of the project results and reporting.

### 3.1.5 Activities

#### 3.1.5.1 Tender documentation

The documentation for the public tender for security upgrades of 15 BPS and one RCBA will be based on the construction design specifications, as provided in the national regulations and the OSCE best practices for storages of SALW and stockpiles of conventional ammunition. The OMSk will procure the services of a company to develop the construction design specifications. The selected supplier will elaborate and provide the OMSk and the MoIA with all relevant construction design documentation, ensuring that it is coordinated and approved by all national regulating authorities and compliant with the OSCE rules and procedures.

#### 3.1.5.2 Security upgrades

The OMSk will develop the documentation required for an open competitive bidding and conduct the tender for construction works and provision of IT security equipment in accordance with the OSCE rules and regulations. The selected contractor will implement the security measures in accordance with the approved construction design. The PIT will organise the monitoring and technical supervision of the implementation of the security measures and verification of their compliance with the relevant technical requirements.



### 3.1.5.3 Developing of SOPs for handling service weapons and ammunition

The PIT will establish a working group composed of representatives from the OSCE and the relevant departments within MoIA, including the SALW Focal Point, Unit for Exploitation, Cryptology and CCTV, Construction Management Department, Legal Department, Sector for Border Affairs and Migration, and the Bureau for Public Safety. The working group will hold four meetings for the development of SOPs and will be supported by one national and one international expert. The SOPs will provide advice and guidance to the MoIA personnel on how to use the new technical and IT tools in a standardised way.

### 3.1.5.4 Training

The PIT will manage the development of a training manual on the new SOPs, including recruitment of an expert for its development, printing and dissemination to relevant MoIA staff, and translation into English. English copies will be disseminated to other OSCE Field Operations as well as the OSCE Secretariat in order to provide visibility and material for future reference.

The PIT will organise a course to train trainers for 30 designated representatives from four Regional Centres for Border Affairs and eight Sectors for Internal Affairs, with the aim of increasing their knowledge of the use of the new security and IT systems in the refurbished storage rooms. Subsequently, the trained trainers will deliver countrywide training in their respective regional centres and sectors, thereby ensuring sustainability of the activity.

### 3.1.5.5 Union visibility

The goal of the visibility activities will be to publicise Union support by reducing the risks of the proliferation of weapons and ammunition through the activities implemented by the OSCE. Visibility events will focus on raising awareness among selected audiences as well as the general public on the implementation of specific activities within this project; their impact on the reduction of the threat from uncontrolled proliferation; and the overall stability of the region. The visibility activities will follow a visibility project plan. It is envisaged to develop several types of visibility materials in order to present the project results to the target audience. They will include roll-ups, banners, leaflets, photographic materials, video material as well as promotion of the results at visibility events.

## 3.2 Project 2: Disposal of surplus ammunition in Georgia

### 3.2.1 Objective

To support the process of improving ammunition stockpile management in Georgia through the disposal of 461 tonnes of surplus ammunition.

### 3.2.2 Description

In 2016, Georgia requested assistance for the disposal of 461 tonnes of surplus conventional ammunition in compliance with the 'Programme for Demilitarisation Works of Outdated, Written off and Obsolete Ammunitions Existing at the Military Bases in Georgia' ('the Programme'). As a follow-up on the OSCE projects implemented in 2007, 2011-2012, and 2014-2016, the OSCE Secretariat will support Georgia in its efforts to increase its capacity for ammunition stockpile management.

### 3.2.3 Expected results

Result 1: Reduction of the available surpluses of conventional ammunition in a safe and environmentally benign way.

Indicators:

- Disposal of 461 tonnes of surplus ammunition.
- Signed implementation partner agreement.

- Recruitment of project personnel.
- Development of the Quality Assurance Programme.
- Quarterly progress reports.
- Quarterly environmental reports.

#### 3.2.4 Project implementation team

The project implementation team (PIT) will consist of a project manager, a project assistant, one local consultant and two international consultants. The project manager will be an OSCE official under an existing contracted position. The project assistant, the local and international consultants will be contracted in line with the existing OSCE rules and regulations. The PIT will be responsible for setting the legal, managerial, monitoring and verification frameworks for effective achievement of project results and execution of a Quality Assurance Programme (QAP).

#### 3.2.5 Implementing partner

Georgia has entrusted the implementation of the activities under the programme with the State Military Science-Technical Centre ('DELTA'). DELTA possesses exclusive rights in Georgia for ammunition demilitarisation and ammunition destruction activities, which were granted by Decree No 321 of the Minister of Defence of Georgia in 2005. Since then, DELTA has been the implementing partner sub-contracted by all international organisations engaged in supporting disposal activities, including NATO, UNDP and the OSCE. Thus, in 2016 DELTA completed a project, supported by the OSCE, for the disposal of 620 tonnes of aircraft rockets, bombs and artillery shells.

#### 3.2.6 Activities

##### 3.2.6.1 Disposal of surplus ammunition

DELTA has conducted research on the ammunition to be disposed of and developed technologies, instructions and documentation for the disposal process. In addition, DELTA has started the process of transporting 340 tonnes of surplus bombs from their storage location to the disposal facility in Phonichala, provided training to the project personnel and initiated the dismantling process. The explosive components will be disposed by open pit detonation at the Vaziani firing range. The disposal of 121 tonnes of artillery shells will take place at the Dedoplistskaro facility. DELTA is monitoring the environmental effects of the disposal operations by conducting monthly tests.

##### 3.2.6.2 Union visibility

The visibility activities will focus on raising awareness among selected audiences as well as the general public on the implementation of the ammunition disposal operations and their impact for increasing stockpile management capacity in Georgia.

#### 4. Beneficiaries

The direct beneficiaries of the projects will be the national institutions of the former Yugoslav Republic of Macedonia and Georgia responsible for SALW, ammunition security and management. The project activities comply with the national strategies on SALW and ammunition and are aligned with the international commitment of both countries. The population of both countries, the population in South-Eastern Europe, the South Caucasus and the Union, that are at risk of the proliferation of SALW and ammunition, will also benefit indirectly from the project activities.

#### 5. Duration

The total estimated duration of the projects will be 36 months.

#### 6. Technical implementing entity

The overall technical implementation of this Decision will be entrusted to the OSCE Secretariat.

7. Steering Committee

The Steering Committee for this project will be composed of a representative of the High Representative and of the implementing entity referred to in paragraph 6 of this Annex. The Steering Committee will review the implementation of this Decision regularly, at least once every 6 months, including by the use of electronic means of communication.

8. Reporting

The OSCE Secretariat will provide narrative reports on a quarterly basis to review progress towards the completion of project results. The OSCE Secretariat will submit annual narrative and financial reports and a final report within 6 months of the end of the implementation period.

9. Estimated total cost of the projects and Union financial contribution

The total estimated cost of the projects is EUR 1 353 878,52.

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**COUNCIL DECISION (CFSP) 2017/1425**  
**of 4 August 2017**  
**on a European Union stabilisation action in Mopti and Segou**

THE COUNCIL OF THE EUROPEAN UNION,

Having regard to the Treaty on European Union, and in particular Article 28(1) thereof,

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

Whereas:

- (1) On 21 March 2011, the Council welcomed the European Union Strategy for Security and Development in the Sahel region (the 'EU Sahel Strategy'), underlining that the Union has a longstanding interest in reducing insecurity and improving development in the Sahel region.
- (2) On 9 February 2015, the Council reiterated its commitment to supporting Mali's path towards development, peace, reconciliation and stability. Integral to this is that progress is made by the Government of Mali in terms of governance, democracy, rule of law, reform of the justice and security sectors and fight against impunity.
- (3) In February 2017, the Government of Mali adopted the 'Plan de Sécurisation Intégrée des Régions du Centre' ('PSIRC') in order to counter the growing insecurity and to re-establish the presence of the civilian administration in the Centre region (Mopti and Segou) of Mali.
- (4) On 26 June 2017, the Political and Security Committee (PSC) agreed on the Concept note for a stabilisation action in Mopti and Segou implemented by an EU stabilisation team, under the auspices of the Union Delegation in Mali.
- (5) On 10 July 2017, Mali sent a letter to the High Representative of the Union for Foreign Affairs and Security Policy (HR), inviting the Union to support the re-establishment of the civilian administration in the Centre region of Mali through the deployment of a stabilisation team,

HAS ADOPTED THIS DECISION:

*Article 1*

**EU stabilisation action**

1. The Union shall undertake a stabilisation action in Mopti and Segou. The action shall be implemented by an EU stabilisation team, under the auspices of the Union Delegation in Mali, for an operating phase of 12 months.
2. The EU stabilisation team shall operate in accordance with the objectives set out in Article 2 and shall carry out the tasks set out in Article 3.
3. The HR shall be responsible for the implementation of this Decision.

*Article 2*

**Objectives**

The EU stabilisation team shall support Malian national plans and policies through its advice to the Malian authorities on the re-establishment and expansion of the civilian administration in the Centre region of Mali, in accordance with international standards, with the primary objective to consolidate and support democracy, the rule of law, human rights and gender equality by strengthening general governance in this region.

*Article 3***Tasks**

In order to achieve the objectives of the EU stabilisation action, the EU stabilisation team shall:

- (a) advise the Malian authorities in Mopti and Segou on Malian national plans and policies including on governance-related issues, and support the planning by the Malian authorities of activities which aim at the return of the civil administration in the region, in close coordination with all Union actors and relevant Union programmes in Mali;
- (b) advise the Malian authorities in Mopti and Segou on the implementation of the planned activities referred to in point (a), including by supporting an enhanced dialogue between the Malian authorities and the local populations, with special emphasis on the implementation of the United Nations Security Council Resolution 1325 (2000);
- (c) facilitate the inter-ministerial coordination on governance-related issues concerning Mopti and Segou, as well as coordination between the relevant Malian ministries and the Mopti and Segou governorates.

*Article 4***Structure of the EU stabilisation team**

1. The EU stabilisation team shall complement the action of the Union Delegation in Mali and the CSDP missions deployed in Mali. The team shall operate in Bamako, Mopti and Segou.
2. The Head of the Union Delegation in Mali shall be the head of the EU stabilisation team.
3. The head of the EU stabilisation team shall be assisted by a deputy head of team for the day-to-day implementation of the EU stabilisation action.
4. The EEAS shall identify the point of contact for the EU stabilisation team at headquarters.
5. The Union Delegation in Mali shall provide the EU stabilisation team with logistical support in the region.

*Article 5***Head of the EU stabilisation team**

1. The head of the EU stabilisation team shall ensure the proper and effective implementation of the tasks of the team, including by issuing instructions to the deputy head of team.
2. The head of the EU stabilisation team shall have overall responsibility for ensuring that the Union's duty of care is properly discharged.
3. The head of the EU stabilisation team shall be responsible for disciplinary control over the team. For seconded staff, disciplinary action shall be exercised by the seconding national authority in accordance with its national rules or by the seconding Union institution concerned or the EEAS.
4. The head of the EU stabilisation team shall have responsibility for ensuring that gender mainstreaming is an integral part of the EU stabilisation action and that this work is coordinated with the office of the EEAS principal advisor on gender.
5. The head of the EU stabilisation team shall facilitate the coordination of the activities of the team with those undertaken by the Member States and the Union CSDP Missions deployed in Mali.

*Article 6***Staff**

1. The EU stabilisation team, including its deputy head of team, shall primarily consist of staff seconded by Member States, Union institutions or EEAS. Staff may also be recruited by the head of the team, as required, on a contractual basis, in particular if the functions required are not provided by personnel seconded by the seconding authority.
2. Each seconding authority shall bear the costs related to any of the staff seconded by it to the EU stabilisation team, including travel expenses to and from the place of deployment, salaries, medical coverage, and allowances, other than applicable per diems, as well as hardship and risk allowances.
3. Each seconding authority having seconded a member of staff shall be responsible for answering any claims linked to the secondment, by or concerning the member of staff, and shall be responsible for bringing any action against the person seconded.
4. All staff shall carry out their duties and act in the interests of the EU stabilisation action. All staff shall respect the security principles and minimum standards established by Decision of the HR 2013/C 190/01 <sup>(1)</sup>.

*Article 7***Privileges and immunities**

The HR shall ensure that the staff of the EU stabilisation team benefit from the same privileges and immunities as those of the staff of the Union Delegation in Mali.

*Article 8***Political direction and monitoring by PSC**

The PSC shall provide the EU stabilisation action with political direction and shall monitor its implementation, without prejudice to the responsibilities of the HR.

*Article 9***Reporting**

1. The head of the EU stabilisation team shall provide written reports to the HR, PSC and other Council preparatory bodies every 4 months after the beginning of the operating phase. He or she shall also report to the PSC and other Council preparatory bodies upon request. The EEAS services shall report to the PSC and other Council preparatory bodies if needed.
2. The head of the EU stabilisation team shall present the Council, the HR and the Commission with a comprehensive mandate implementation report by the end of its mandate.

*Article 10***Financial arrangements**

1. The financial reference amount intended to cover the expenditure related to the EU stabilisation team's mandate shall be EUR 3 250 000.

<sup>(1)</sup> Decision of the High Representative of the Union for Foreign Affairs and Security Policy of 19 April 2013 on the security rules for the European External Action Service (OJ C 190, 29.6.2013, p. 1).

2. All expenditure shall be managed in accordance with the rules and procedures applicable to the general budget of the Union. Participation of natural and legal persons in the award of procurement contracts by the head of the EU stabilisation team shall be open without limitations. Moreover, no rule of origin for the goods purchased for the stabilisation team shall apply.
3. The head of the EU stabilisation team shall be responsible for the implementation of the budget. The management of the expenditure shall be subject to a contract between the head of the EU stabilisation team and the Commission.

#### *Article 11*

##### **Security**

1. The Union Delegation in Mali shall be responsible for the security of the team members and for ensuring compliance with minimum security requirements which are applicable to the staff of the Delegation.
2. The head of the EU stabilisation team shall comply with the guidance provided by the Regional Security Officer in Mali for the planning of security measures as well as their proper and effective implementation by the team.
3. The staff of the EU stabilisation team shall undergo mandatory security training before taking up their duties. They shall also receive regular in-theatre refresher training sessions organised by the Regional Security Officer in Mali.

#### *Article 12*

##### **Release of information**

1. The EU stabilisation team shall comply with the security principles and minimum standards established by Decision 2013/C 190/01.
2. The HR shall be authorised to release to the UN Multidimensional Integrated Stabilisation Mission in Mali ('MINUSMA') as appropriate and in accordance with the operational needs of the EU stabilisation action, EU classified information and documents up to the level 'RESTREINT UE/EU RESTRICTED' which are generated for the purposes of the action, in accordance with the security rules for protecting EU classified information in Decision 2013/C 190/01. Local arrangements may be drawn up for this purpose.
3. The HR may delegate the authorisations to release information as well as the ability to conclude the arrangements referred to in this Article to the head of the EU stabilisation team.

#### *Article 13*

##### **Coordination**

1. The HR shall ensure the consistency of the implementation of this Decision with the Union's external action as a whole, including the Union's development programmes, the European Union Special Representative for the Sahel (EUSR Sahel), as well as the European Union CSDP mission in Mali ('EUCAP Sahel Mali') and the EU Training Mission in Mali ('EUTM Mali').
2. The EU stabilisation team shall provide regular briefings to Member States' missions in Mali.
3. The EU stabilisation team shall cooperate with all relevant international actors, as appropriate, including MINUSMA.

*Article 14***Review**

The EEAS shall conduct an after action review, also based on the comprehensive mandate implementation report referred to in Article 9(2), to be presented to the PSC.

*Article 15***Entry into force and duration**

This Decision shall enter into force on the date of its adoption and shall expire on 31 October 2018.

Done at Brussels, 4 August 2017.

*For the Council*  
*The President*  
M. MAASIKAS

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**COUNCIL DECISION (CFSP) 2017/1426****of 4 August 2017****updating the list of persons, groups and entities subject to Articles 2, 3 and 4 of Common Position 2001/931/CFSP on the application of specific measures to combat terrorism, and repealing Decision (CFSP) 2017/154**

THE COUNCIL OF THE EUROPEAN UNION,

Having regard to the Treaty on European Union, and in particular Article 29 thereof,

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

Whereas:

- (1) On 27 December 2001, the Council adopted Common Position 2001/931/CFSP <sup>(1)</sup>.
- (2) On 27 January 2017, the Council adopted Decision (CFSP) 2017/154 <sup>(2)</sup> updating the list of persons, groups and entities subject to Articles 2, 3 and 4 of Common Position 2001/931/CFSP ('the list').
- (3) In accordance with Article 1(6) of Common Position 2001/931/CFSP, it is necessary to review at regular intervals the names of persons, groups and entities in the list to ensure that there are grounds for keeping them thereon.
- (4) This Decision sets out the result of the review that the Council has carried out in respect of persons, groups and entities to which Articles 2, 3 and 4 of Common Position 2001/931/CFSP apply.
- (5) The Council has verified that competent authorities as referred to in Article 1(4) of Common Position 2001/931/CFSP have taken decisions with regard to all persons, groups and entities on the list to the effect that they have been involved in terrorist acts within the meaning of Article 1(2) and (3) of Common Position 2001/931/CFSP. The Council has also concluded that the persons, groups and entities to which Articles 2, 3 and 4 of Common Position 2001/931/CFSP apply should continue to be subject to the specific restrictive measures provided for therein.
- (6) The list should be updated accordingly and Decision (CFSP) 2017/154 should be repealed,

HAS ADOPTED THIS DECISION:

*Article 1*

The list of persons, groups and entities to which Articles 2, 3 and 4 of Common Position 2001/931/CFSP apply is set out in the Annex to this Decision.

*Article 2*

Decision (CFSP) 2017/154 is repealed.

<sup>(1)</sup> Council Common Position 2001/931/CFSP of 27 December 2001 on the application of specific measures to combat terrorism (OJ L 344, 28.12.2001, p. 93).

<sup>(2)</sup> Council Decision (CFSP) 2017/154 of 27 January 2017 updating the list of persons, groups and entities subject to Articles 2, 3 and 4 of Common Position 2001/931/CFSP on the application of specific measures to combat terrorism, and repealing Decision (CFSP) 2016/1136 (OJ L 23, 28.1.2017, p. 21).

*Article 3*

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

Done at Brussels, 4 August 2017.

*For the Council*  
*The President*  
M. MAASIKAS

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## ANNEX

## List of persons, groups and entities referred to in Article 1

## I. PERSONS

1. ABDOLLAHI Hamed (a.k.a. Mustafa Abdullahi), born August 11, 1960 in Iran. Passport: D9004878.
2. AL-NASSER, Abdelkarim Hussein Mohamed, born in Al Ihsa (Saudi Arabia), citizen of Saudi Arabia.
3. AL YACOUB, Ibrahim Salih Mohammed, born 16.10.1966 in Tarut (Saudi Arabia), citizen of Saudi Arabia.
4. ARBABSAR Manssor (a.k.a. Mansour Arbabsar), born March 6 or 15, 1955 in Iran. Iranian and US national. Passport: C2002515 (Iran); Passport: 477845448 (USA). National ID no.: 07442833, expiry date 15 March 2016 (USA driving licence).
5. BOUYERI, Mohammed (a.k.a. Abu ZUBAIR, a.k.a. SOBIAR, a.k.a. Abu ZOUBAIR), born 8.3.1978 in Amsterdam (The Netherlands).
6. EL HAJJ, Hassan Hassan, born 22.3.1988 in Zaghdraya, Sidon, Lebanon, Canadian citizen. Passport number: JX446643 (Canada).
7. IZZ-AL-DIN, Hasan (a.k.a. GARBAYA, Ahmed, a.k.a. SA-ID, a.k.a. SALWWAN, Samir), born 1963 in Lebanon, citizen of Lebanon.
8. MELIAD, Farah, born 5.11.1980 in Sydney (Australia), Australian citizen. Passport number: M2719127 (Australia).
9. MOHAMMED, Khalid Shaikh (a.k.a. ALI, Salem, a.k.a. BIN KHALID, Fahd Bin Adballah, a.k.a. HENIN, Ashraf Refaat Nabith, a.k.a. WADOOD, Khalid Abdul), born 14.4.1965 or 1.3.1964 in Pakistan, passport No 488555.
10. ŞANLI, Dalokay (a.k.a. Sinan), born 13.10.1976 in Pülümür (Turkey).
11. SHAHLAI Abdul Reza (a.k.a. Abdol Reza Shala'i, a.k.a. Abd-al Reza Shalai, a.k.a. Abdorreza Shahlai, a.k.a. Abdolreza Shahla'i, a.k.a. Abdul-Reza Shahlaee, a.k.a. Hajj Yusef, a.k.a. Haji Yusif, a.k.a. Hajji Yasir, a.k.a. Hajji Yusif, a.k.a. Yusuf Abu-al-Karkh), born circa 1957 in Iran. Addresses: (1) Kermanshah, Iran, (2) Mehran Military Base, Ilam Province, Iran.
12. SHAKURI Ali Gholam, born circa 1965 in Tehran, Iran.
13. SOLEIMANI Qasem (a.k.a. Ghasem Soleymani, a.k.a. Qasmi Sulayman, a.k.a. Qasem Soleymani, a.k.a. Qasem Solaimani, a.k.a. Qasem Salimani, a.k.a. Qasem Solemani, a.k.a. Qasem Sulaimani, a.k.a. Qasem Sulemani), born March 11, 1957 in Iran. Iranian national. Passport: 008827 (Iran Diplomatic), issued 1999. Title: Major General.

## II. GROUPS AND ENTITIES

1. 'Abu Nidal Organisation' — 'ANO' (a.k.a. 'Fatah Revolutionary Council', a.k.a. 'Arab Revolutionary Brigades', a.k.a. 'Black September', a.k.a. 'Revolutionary Organisation of Socialist Muslims').
2. 'Al-Aqsa Martyrs' Brigade'.
3. 'Al-Aqsa e.V.'.
4. 'Babbar Khalsa'.
5. 'Communist Party of the Philippines', including 'New People's Army' — 'NPA', Philippines.
6. 'Gama'a al-Islamiyya' (a.k.a. 'Al-Gama'a al-Islamiyya') ('Islamic Group' — 'IG').
7. 'İslami Büyük Doğu Akıncılar Cephesi' — 'IBDA-C' ('Great Islamic Eastern Warriors Front').
8. 'Hamas', including 'Hamas-Izz al-Din al-Qassem'.
9. 'Hizballah Military Wing' (a.k.a. 'Hezbollah Military Wing', a.k.a. 'Hizbullah Military Wing', a.k.a. 'Hizbollah Military Wing', a.k.a. 'Hezbollah Military Wing', a.k.a. 'Hisbollah Military Wing', a.k.a. 'Hizbu'llah Military Wing' a.k.a. 'Hizb Allah Military Wing', a.k.a. 'Jihad Council' (and all units reporting to it, including the External Security Organisation)).

10. 'Hizbul Mujahideen' — 'HM'.
  11. 'Khalistan Zindabad Force' — 'KZF'.
  12. 'Kurdistan Workers' Party' — 'PKK', (a.k.a. 'KADEK', a.k.a. 'KONGRA-GEL').
  13. 'Liberation Tigers of Tamil Eelam' — 'LTTE'.
  14. 'Ejército de Liberación Nacional' ('National Liberation Army').
  15. 'Palestinian Islamic Jihad' — 'PIJ'.
  16. 'Popular Front for the Liberation of Palestine' — 'PFLP'.
  17. 'Popular Front for the Liberation of Palestine — General Command' (a.k.a. 'PFLP — General Command').
  18. 'Fuerzas armadas revolucionarias de Colombia' — 'FARC' ('Revolutionary Armed Forces of Colombia').
  19. 'Devrimci Halk Kurtuluş Partisi-Cephesi' — 'DHKP/C' (a.k.a. 'Devrimci Sol' ('Revolutionary Left'), a.k.a. 'Dev Sol') ('Revolutionary People's Liberation Army/Front/Party').
  20. 'Sendero Luminoso' — 'SL' ('Shining Path').
  21. 'Teyrbazen Azadiya Kurdistan' — 'TAK' (a.k.a. 'Kurdistan Freedom Falcons', a.k.a. 'Kurdistan Freedom Hawks').
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**COUNCIL DECISION (CFSP) 2017/1427**  
**of 4 August 2017**  
**amending Decision (CFSP) 2015/1333 concerning restrictive measures in view of the situation in Libya**

THE COUNCIL OF THE EUROPEAN UNION,

Having regard to the Treaty on European Union and in particular Article 29 thereof,

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

Whereas:

- (1) On 31 July 2015, the Council adopted Decision (CFSP) 2015/1333 <sup>(1)</sup>.
- (2) On 29 June 2017, the United Nations Security Council adopted Resolution (UNSCR) 2362 (2017) extending the application of measures to vessels loading, transporting or discharging petroleum, including crude oil and refined petroleum products, illicitly exported or attempted to be exported from Libya and further specifying the listing criteria.
- (3) Decision (CFSP) 2015/1333 should therefore be amended accordingly,

HAS ADOPTED THIS DECISION:

*Article 1*

Decision (CFSP) 2015/1333 is amended as follows:

- (1) in Article 6, paragraph 1 is replaced by the following:

‘1. Member States may, in accordance with paragraphs 5 to 9 of UNSCR 2146 (2014) and paragraph 2 of UNSCR 2362 (2017), inspect on the high seas designated vessels, using all measures commensurate to the specific circumstances, in full compliance with international humanitarian law and international human rights law, as may be applicable, carry out such inspections and direct the vessel to take appropriate actions to return petroleum, including crude oil and refined petroleum products, with the consent of and in coordination with the Government of Libya, to Libya.’;

- (2) Article 7 is amended as follows:

- (a) paragraph 1 is replaced by the following:

‘1. A Member State that is the flag State of a designated vessel shall, if the designation by the Committee has so specified, direct the vessel not to load, transport, or discharge petroleum, including crude oil and refined petroleum products, illicitly exported from Libya aboard the vessel, in the absence of direction from the Government of Libya focal point, as referred to in paragraph 3 of UNSCR 2146 (2014).’;

- (b) paragraph 5 is replaced by the following:

‘5. Financial transaction by nationals of Member States or entities under their jurisdiction or from the territories of Member States with respect to petroleum, including crude oil and refined petroleum products, illicitly exported from Libya aboard designated vessels, shall, if the designation by the Committee has so specified, be prohibited.’;

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<sup>(1)</sup> Council Decision (CFSP) 2015/1333 of 31 July 2015 concerning restrictive measures in view of the situation in Libya, and repealing Decision 2011/137/CFSP (OJ L 206, 1.8.2015, p. 34).

(3) in Article 8, paragraph 1 is replaced by the following:

‘1. Member States shall take the necessary measures to prevent the entry into, or transit through, their territories of persons designated and subjected to travel restrictions by the Security Council or by the Committee in accordance with paragraph 22 of UNSCR 1970 (2011), paragraph 23 of UNSCR 1973 (2011), paragraph 4 of UNSCR 2174 (2014), paragraph 11 of UNSCR 2213 (2015) and paragraph 11 of UNSCR 2362 (2017), as listed in Annex I.’;

(4) in Article 9, paragraph 1 is replaced by the following:

‘1. All funds, other financial assets and economic resources, owned or controlled, directly or indirectly, by persons and entities designated and subjected to an asset freeze by the Security Council or by the Committee in accordance with paragraph 22 of UNSCR 1970 (2011), paragraphs 19 and 23 of UNSCR 1973 (2011), paragraph 4 of UNSCR 2174 (2014), paragraph 11 of UNSCR 2213 (2015) and paragraph 11 of UNSCR 2362(2017), as listed in Annex III, shall be frozen.’.

#### Article 2

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

Done at Brussels, 4 August 2017.

*For the Council*  
*The President*  
M. MAASIKAS

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**COUNCIL DECISION (CFSP) 2017/1428****of 4 August 2017****in support of the implementation of the Maputo Action Plan for the implementation of the 1997 Convention on the Prohibition of the Use, Stockpiling, Production and Transfer of Anti-Personnel Mines and on their Destruction**

THE COUNCIL OF THE EUROPEAN UNION,

Having regard to the Treaty on European Union, and in particular Articles 28 and 31(1) thereof,

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

Whereas:

- (1) The European Union should work towards a high degree of cooperation in all fields of international relations, in order, inter alia, to preserve peace, prevent conflicts and strengthen international security, in accordance with the purposes and principles of the United Nations Charter.
- (2) On 12 December 2003 the European Council adopted a European Security Strategy identifying global challenges and threats, and calling for a rule-based international order based on effective multilateralism and well-functioning international institutions.
- (3) The Convention on the Prohibition of the Use, Stockpiling, Production and Transfer of Anti-Personnel Mines and on Their Destruction ('the Convention') entered into force on 1 March 1999. It constitutes the only comprehensive international instrument dealing with all aspects of anti-personnel landmines, including their use, stockpiling, production, trade, clearance and victim assistance. Since 1 June 2013, all Member States are party to the Convention and on 1 September 2016, 162 states have expressed their consent to be bound by it.
- (4) On 23 June 2008, the Council adopted Joint Action 2008/487/CFSP <sup>(1)</sup> in support of the universalisation and implementation of the Convention.
- (5) On 3 December 2009, at the second Review Conference of the Convention, the States Parties to the Convention adopted the Cartagena Action Plan 2010-2014 on the universalisation and implementation of all aspects of the Convention. They also adopted the 'Directive of the States Parties to the Implementation Support Unit' in which the States Parties agreed that the Convention's Implementation Support Unit ('ISU') should provide advice and technical support to States Parties on the implementation and universalisation of the Convention, facilitate communication among the States Parties, and promote communication and information sharing regarding the Convention both to non-party States and to the public. At their 14th meeting in 2015, the States Parties adopted a decision on strengthening financial governance and transparency within the ISU, setting out the conditions for the ISU to undertake activities or projects that do not feature in its yearly budget, including at the invitation of States Parties and non-signatory states.
- (6) On 13 November 2012 the Council adopted Decision 2012/700/CFSP <sup>(2)</sup> in support of the implementation of the Cartagena Action Plan 2010-2014.
- (7) At the Third Review Conference of the Convention held in Maputo, Mozambique, in June 2014, the States Parties adopted the Maputo Action Plan aiming to make significant and sustainable progress towards implementation of the Convention in the period before the next Review Conference (2014-2019) and made a joint declaration to aspire to meet the goals of the Convention 'to the fullest extent possible by 2025'.
- (8) In its conclusions of 16 and 17 June 2014 at the Third Review Conference of the Convention, the Council of the European Union recalled the Union's unity in pursuing the objectives of the Convention, with all 28 Member

<sup>(1)</sup> Council Joint Action 2008/487/CFSP of 23 June 2008 in support of the universalisation and implementation of the 1997 Convention on the Prohibition of the Use, Stockpiling, Production and Transfer of Anti-Personnel Mines and on their Destruction, in the framework of the European Security Strategy (OJ L 165, 26.6.2008, p. 41).

<sup>(2)</sup> Council Decision 2012/700/CFSP of 13 November 2012 in the framework of the European Security Strategy in support of the implementation of the Cartagena Action Plan 2010-2014, adopted by the States Parties to the 1997 Convention on the Prohibition of the Use, Stockpiling, Production and Transfer of Anti-Personnel Mines and on Their Destruction (OJ L 314, 14.11.2012, p. 40).

States now States Parties, and that the Union and its Member States have a long history of support for mine clearance and the destruction of stockpiled anti-personnel mines, as well as for assistance to victims of anti-personnel mines. The conclusions reiterated the Union's unwavering support to States Parties in their full and effective implementation of the Convention, and its commitment to promote universalisation of the Convention, to provide resources to fund mine action, and concrete and sustainable assistance to anti-personnel mine victims, their families and communities,

HAS ADOPTED THIS DECISION:

#### *Article 1*

1. To contribute to human security by supporting the implementation of the Maputo Action Plan 2014-2019 adopted by the States Parties at the Third Review Conference of the 1997 Convention on the Prohibition of the Use, Stockpiling, Production and Transfer of Anti-Personnel Mines and on Their Destruction ('the Convention'), in the framework of the European Security Strategy and in accordance with relevant decisions of the international community, the European Union pursues the following objectives:

- (a) support efforts of States Parties to the Convention to implement the mine clearance aspects of the Maputo Action Plan;
- (b) support efforts of States Parties to the Convention to implement the victim assistance aspects of the Maputo Action Plan;
- (c) promotion of the universalisation of the Convention;
- (d) support efforts of States Parties to the Convention to implement the stockpile destruction aspects of the Maputo Action Plan;
- (e) demonstrate the ongoing commitment of the Union and its Member States to the Convention and their resolve to cooperate with and extend assistance to those States that need support in meeting their commitments under the Convention, and enhance the leading role of the Union in pursuing the Convention's vision of a conclusive end to the suffering and casualties caused by anti-personnel mines.

2. All the objectives referred to in paragraph 1 shall be pursued in such a way that they reinforce the Convention's tradition of partnership and collaboration between States, non-governmental and other organisations, including representatives from mine-affected communities. All actions will incorporate gender and diversity aspects at the design, management and implementation levels.

3. In order to achieve the objectives referred to in paragraph 1, the Union shall support the following projects:

- (a) mine clearance: providing support for the implementation of Action III of the Maputo Action Plan, including by means of facilitating and strengthening national planning and reporting in up to five affected States Parties that have upcoming mine clearance deadlines in 2018, 2019, 2020 and beyond;
- (b) victim assistance: providing support for the implementation of the Victim Assistance actions of the Maputo Action Plan in up to five affected States Parties. The project will support States Parties to embed the victim assistance aspects of the Maputo Action Plan in an integrated policy linked with national policies on human rights and the rights of persons with disabilities. The project aims to empower mine victims to become active agents in their own development;
- (c) in order to promote universalisation of the Convention, the project will support the Presidency of the Convention and a high level task force to engage states that are not parties to the Convention at a high level. The study on border security initiated under the Decision 2012/700/CFSP will be further developed;
- (d) stockpile destruction: support for the implementation of the Stockpile Destruction actions of the Maputo Action Plan;



- (e) in order to demonstrate the commitment of the Union and ensure its visibility, a launch event will be held to promote this Decision and Union support for mine action in general, and a wrap-up event will be organised to publicise the activities provided for in this Decision and their outcomes, thereby underlining the Union's contribution.
4. To meet the objectives referred to in paragraph 1, a detailed description of the measures to be undertaken is set out in the Annex.

#### *Article 2*

1. The High Representative for the Union for Foreign Affairs and Security Policy ('the High Representative') shall be responsible for the implementation of this Decision.
2. The technical implementation of the projects referred to in Article 1(3) shall be carried out by the ISU, represented by the Geneva International Centre for Humanitarian Demining ('GICHD').
3. The ISU shall perform these tasks under the responsibility of the High Representative. For that purpose, the High Representative will enter into the necessary arrangements with the GICHD.

#### *Article 3*

1. The financial reference amount for the implementation of the measures referred to in Article 1(3) shall be EUR 2 303 274,47.
2. The expenditure financed by the amount stipulated in paragraph 1 shall be managed in accordance with the procedures and rules applicable to the general budget of the Union.
3. The Commission shall supervise the proper management of the expenditure referred to in paragraph 1. For this purpose, it shall conclude a financing agreement with the GICHD, stipulating that the ISU is to ensure visibility of the Union contribution, appropriate to its size.
4. The Commission shall endeavour to conclude the financing agreement referred to in paragraph 3 as soon as possible after the entry into force of this Decision. It shall inform the Council of any difficulties in the process and of the date of conclusion of the financing agreement.
5. The ISU shall perform the tasks referred to in Article 2 in accordance with the decision on strengthening financial governance and transparency within the ISU, taken at the 14th meeting of States Parties of the Convention in 2015 <sup>(1)</sup>.

#### *Article 4*

The High Representative shall report to the Council on the implementation of this Decision on the basis of regular reports to be prepared by the ISU. Those reports shall form the basis for the evaluation by the Council. The Commission shall provide information on the financial aspects of the implementation of this Decision.

<sup>(1)</sup> APLC/MSP.14/2015/L.1 — [http://www.apminebanconvention.org/fileadmin/APMBC/MSP/14MSP/ISU\\_Financing\\_Decision\\_Draft\\_30Nov2015.pdf](http://www.apminebanconvention.org/fileadmin/APMBC/MSP/14MSP/ISU_Financing_Decision_Draft_30Nov2015.pdf)

*Article 5*

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

It shall expire 36 months after the date of conclusion of the financing agreement referred to in Article 3(3) or 6 months after the date of its adoption if no financing agreement has been concluded within that period.

Done at Brussels, 4 August 2017.

*For the Council*

*The President*

M. MAASIKAS

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## ANNEX

## 1. Objective

To contribute to human security by supporting the implementation of the Maputo Action Plan 2014-2019 adopted by the States Parties at the Third Review Conference of the 1997 Convention on the Prohibition of the Use, Stockpiling, Production and Transfer of Anti-Personnel Mines and on Their Destruction ('the Convention'), in the framework of the European Security Strategy and in line with relevant decisions of the international community.

## 2. Description of projects

## 2.1. Mine clearance: support for the implementation of Action III of the Maputo Action Plan including national planning and reporting in up to five affected States Parties

## 2.1.1. Project objective

Up to five States Parties to the Convention are supported in the implementation of the mine clearance aspects of the Maputo Action Plan.

## 2.1.2. Project description

- Support will be provided by the ISU to up to five States Parties in facilitating national stakeholder dialogues. Eligible States Parties have upcoming mine clearance deadlines in 2018, 2019, 2020 and beyond. The Convention's Committee on Article 5 Implementation will be involved in the selection of the recipient States Parties.
- The national stakeholder dialogues will be facilitated by the ISU, in collaboration with stakeholders, such as relevant government officials, representatives from mine-affected populations, mine action donors, including relevant Union entities, mine clearance organisations, the International Campaign to Ban Landmines (ICBL), UN agencies and the GICHD. As appropriate, those key actors will be directly involved in the implementation of the project subject to the conditions to be developed in the budgetary impact statement. The dialogues will produce a detailed outcome document highlighting geographically specific information on remaining areas requiring survey and clearance, methodologies to address remaining areas and challenges faced in fulfilling mine clearance obligations and recommendations on overcoming those challenges as well as milestones to address identified challenges. The national stakeholder dialogues will incorporate gender and diversity aspects of mine clearance at the design, management and implementation levels.
- Follow-up actions, in up to five instances, will be undertaken in response to recommendations contained in the outcome documents. Those follow-up actions will provide additional technical support by the ISU (e.g. for drafting/updating of national demining action plans, the development of a project proposal or proposals, etc.).

## 2.1.3. Project results

- The stakeholder dialogues will provide a detailed outcome document setting out the remaining challenges, with objectives, timelines and recommendations for further action.
- The States Parties selected for the national stakeholder dialogues will be able to articulate the status of implementation of the Convention and the Maputo Action Plan as well as to improve their annual reporting to the States Parties on the implementation of their obligations by their deadline.
- The selected States will develop practices in building and fostering partnerships, including with donors and mine clearance organisations, to ensure that they support efforts to fulfil their obligations in as short a time as possible.

- The selected States will be able to better articulate their intentions to fulfil the Maputo Action Plan commitments and their need for support, for example for drafting and updating of national de-mining action plans, the development of a project proposals.

#### 2.1.4. Beneficiaries

- States Parties to the Convention which are in the process of implementing their mine clearance obligations under the Convention.
- Women, girls, boys and men whose lives are affected by the presence or suspected presence of anti-personnel mines, as well their families and communities.
- National experts working on issues relevant to mine clearance.
- States and organisations supporting mine clearance efforts.

### 2.2. Victim assistance: support for the implementation of the Victim Assistance actions of the Maputo Action Plan in up to five affected States Parties

#### 2.2.1. Project objective

The Maputo Action Plan states that victim assistance should be integrated into broader national policies, plans and legal frameworks related to the rights of persons with disabilities, health, education, employment, development and poverty reduction. The project will support up to five States Parties to embed the victim assistance aspects of the Maputo Action Plan in a broader context of national policies on human rights and the rights of persons with disabilities. The project aims at empowering those who are injured by mines or other explosive remnants of war, survivors, indirect victims such as family members of people killed by anti-personnel mines and people living in mine-affected areas, to become active agents in their own development. The national stakeholder dialogues will incorporate gender and diversity aspects of victim assistance at the design, management and implementation levels.

#### 2.2.2. Project description

- Support will be provided by the ISU in up to five affected States Parties to convene national stakeholder dialogues in States Parties that either:
  - (a) have engaged little with victim assistance and therefore would benefit from a stimulus to begin doing so; or
  - (b) have engaged in the effort to implement the victim assistance actions of the Maputo Action Plan and would benefit from a national stakeholder dialogue to promote those implementation efforts.

The Convention's Committee on Victim Assistance will be involved in the selection of the recipient States Parties.

- The national stakeholder dialogues will be facilitated by the ISU, in collaboration with key actors, such as relevant government officials, donors, including relevant Union entities, UN agencies, the Office of the UN High Commissioner for Human Rights ('UNOHCHR'), the International Campaign to Ban Landmines and Cluster Munition Coalition ('ICBL-CMC') and disabled persons' organisations. The national stakeholder dialogues will also result in the drafting of a detailed outcome document, developed in consultation with stakeholders, in which challenges and gaps in the implementation of the Maputo Action Plan's victim assistance commitments will be identified, recommendations made to overcome them and objectives set.
- Follow-up action in up to five instances will be undertaken in response to recommendations contained in the outcome documents. Those follow-up actions may involve the provision of additional technical support by the ISU, for example for the revision of national plans, the development of a project proposal or proposals, etc.

- Decision 2012/700/CFSP supported a global conference that was held in Medellin, Colombia, in April 2014, entitled 'Bridges between Worlds' that aimed to advance the international community's understanding regarding the place of victim assistance in broader contexts. As a follow-up, this Decision will enable an international conference for national experts to be organised by the ISU, in collaboration with key actors such as the UNOHCHR, the relevant Union entities, and ICBL-CMC and disabled persons' organisations, to explore challenges and good practices in integrating victim assistance into the broader contexts of disability and development at the national level. In particular, the international conference will aim at strengthening linkages with efforts to implement the Convention on the Rights of Persons with Disabilities ('CRPD') and planning processes to achieve the UN Sustainable Development Goals. The international conference will build upon the work of the Anti-Personnel Mine Ban Convention's Committee on Victim Assistance and representatives of other relevant bodies such as the Victim Assistance Coordinators of the Cluster Munitions Convention ('CCM') and Protocol V on Explosive Remnants of War to the Convention on the Prohibition or Restriction on the Use of Certain Conventional Weapons which may be Deemed to be Excessively Injurious or to have Indiscriminate Effects ('CCW').

### 2.2.3. Project results

- National stakeholder dialogues will result in a detailed outcome document identifying challenges and gaps which will provide the selected States with recommendations and concrete steps it can take to address identified challenges in implementing their Maputo Action Plan victim assistance commitments.
- The outcome document will support national policy development and facilitate the dialogue and cooperation with donors and implementing agencies.
- Follow-up actions, in up to five States Parties, to support efforts to overcome the challenges and gaps identified during the national stakeholder dialogues will result in increased capacity of the States Parties to fulfil their Maputo Action Plan commitments for example the revision of national plans, the development of a project proposal or proposals.
- National stakeholder dialogues will create awareness of the global effort and best practices to address the needs and guarantee the rights of survivors through broader frameworks.
- The selected States will be better able to articulate the status of implementation of the Maputo Action Plan as well as to report on plans for its implementation.
- National experts participating in the international conference will have a better understanding of the place of victim assistance in efforts to implement the CRPD and planning processing to achieve the UN Sustainable Development Goals.

### 2.2.4. Beneficiaries

- States Parties to the Convention which have reported responsibility for significant numbers of landmine survivors.
- Women, girls, boys and men who have fallen victim to landmines and other explosive remnant of war, as well as their family and communities.
- National experts working on issues relevant to victim assistance.

## 2.3. Universalisation of the Convention

### 2.3.1. Project objective

In order to advance towards universalisation of the Convention, the Decision will support the Presidency of the Convention and a High Level Task Force to engage non-party States at a high level. In this effort, barriers to adherence to the Convention are defined and addressed and updated information on ratification and accession status is acquired.

### 2.3.2. Project description

- A High Level Task Force on the universalisation of the Convention will be supported by the ISU, including support from high-level personalities to engage with the leaders of up to five States not party at the ministerial or higher level regarding accession to the Convention and/or adherence to the Convention and its norms.
- Updated first-hand knowledge on barriers to accession from States which are not parties to the Convention will be sought with a view to that information contributing to substantive documents prepared for the Fourth Review Conference in 2019, including through a comprehensive report regarding what progress has been made on universalising the Convention and its norms as well as the scope for further progress.
- The study on border security initiated under Decision 2012/700/CFSP will be further developed, in collaboration with partners such as the Geneva Centre for Security Policy (GCSP) or the Geneva Centre for the Democratic Control of Armed Forces (DCAF), into a tool for universalisation aimed towards States that still consider anti-personnel mines an indispensable tool for border security.

### 2.3.3. Project results

- Up to five non-party States will be engaged at the ministerial or a higher level regarding adherence to the Convention.
- Updated knowledge of the anti-personnel mine policies of non-party States will be obtained. That information will be used in the preparation of a substantive document for the Fourth Review Conference, including through a comprehensive report on progress made towards achieving the aims of universalising the Convention, as well as scope for further progress.
- Advocacy on the part of States Parties to the Convention and non-governmental organisations will be revitalised on the basis of follow-up actions resulting from High Level Task Force visits.
- Increased knowledge will be amassed and compiled in a publication which will address the most frequently raised perceived barriers to accession to the Convention and which can be used to support universalisation efforts.
- Progress will be made towards accession to the Convention and/or an embracing of its norms by non-party States that were engaged through this project.

### 2.3.4. Beneficiaries

- States, other than States Parties, which have not yet ratified, approved, accepted, or acceded to, the Convention.
- States Parties to the Convention and non-governmental and international organisations involved in efforts to promote the universalisation of the Convention.

## 2.4. Stockpile destruction: support for the implementation of the stockpile destruction actions of the Maputo Action Plan

### 2.4.1. Project objective

Assist States Parties that have signalled difficulties in meeting the Convention's stockpile destruction obligations in order to overcome them.

### 2.4.2. Project description

The ISU will engage with the aim of identifying the key challenges and identifying possible solutions to complete stockpile destruction efforts in States that have upcoming deadlines or have missed their stockpile destruction deadlines.

#### 2.4.3. Project results

Acquisition of increased knowledge on the status and challenges of completing stockpile destruction efforts.

#### 2.4.4. Beneficiaries

States Parties to the Convention which are in the process of implementing their stockpile destruction obligations under the Convention.

### 2.5. Demonstrating the commitment of the European Union

#### 2.5.1. Project objective

The ongoing commitment of the Union and its Member States to the Convention and the implementation of the Maputo Action Plan are demonstrated, as well as their support to States Parties in the process of implementing key obligations under the Convention.

#### 2.5.2. Project description

- A launch event will be held to promote this Decision and Union support for Mine Action in general, and a wrap-up event will be organised to publicise the activities provided for in this Decision and their outcomes, thereby underlining the Union's contribution.
- Communication in relation to the activities of the Decision and the Union's commitment to the implementation of the Convention will be highlighted throughout the implementation of this Decision on the Convention's website, through social media platforms as well as through the national and international press.
- Communication material, for example posters, advertising, video footage, publicity material, will be acquired and put at the disposal of involved stakeholders and partners.

#### 2.5.3. Project results

- Officials of the Union and its Member States will be aware of this Decision and how it may relate to their work.
  - The Union's commitment to the Convention and Mine Action in general will be put in the spotlight for States Parties to the Convention and the global audience interested in human security in general.
  - Awareness of the objectives of the Convention and the Maputo Action Plan will be strengthened.
-

**COUNCIL IMPLEMENTING DECISION (CFSP) 2017/1429**  
**of 4 August 2017**  
**implementing Decision (CFSP) 2015/1333 concerning restrictive measures in view of the situation**  
**in Libya**

THE COUNCIL OF THE EUROPEAN UNION,

Having regard to the Treaty on European Union, and in particular Article 31(2) thereof,

Having regard to Council Decision (CFSP) 2015/1333 of 31 July 2015 concerning restrictive measures in view of the situation in Libya and repealing Decision 2011/137/CFSP <sup>(1)</sup>, and in particular Article 12(1) thereof,

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

Whereas:

- (1) On 31 July 2015, the Council adopted Decision (CFSP) 2015/1333.
- (2) On 21 July 2017, the United Nations Security Council Committee established pursuant to United Nations Security Council Resolution 1970 (2011) approved the addition of one vessel to the list of vessels subject to restrictive measures.
- (3) Annex V to Decision (CFSP) 2015/1333 should therefore be amended accordingly,

HAS ADOPTED THIS DECISION:

*Article 1*

Annex V to Decision (CFSP) 2015/1333 is hereby amended as set out in the Annex to this Decision.

*Article 2*

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

Done at Brussels, 4 August 2017.

*For the Council*  
*The President*  
M. MAASIKAS

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<sup>(1)</sup> OJ L 206, 1.8.2015, p. 34.



## ANNEX

1. The vessel listed below shall be added to the list of vessels subject to restrictive measures set out in Annex V to Decision (CFSP) 2015/1333:

- B. Entities

1. **Name:** CAPRICORN

**A.k.a.:** n.a. **F.k.a.:** n.a. **Address:** n.a. **Listed on:** 21 July 2017

**Additional information**

IMO: 8900878. Listed pursuant to paragraphs 10(a) and 10(b) of resolution 2146 (2014), as extended and modified by paragraph 2 of resolution 2362 (2017) (prohibition to load, transport or discharge; prohibition to enter ports). Pursuant to paragraph 11 of resolution 2146, this designation is valid from 21 July to 21 October 2017, unless terminated earlier by the Committee pursuant to paragraph 12 of resolution 2146. Flag State: Tanzania. As of 16 July 2017, the vessel was located off the shore of Cyprus.

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**CORRIGENDA**

Only the original UN/ECE texts have legal effect under international public law. The status and date of entry into force of this Regulation should be checked in the latest version of the UN/ECE status document TRANS/WP.29/343, available at:

<http://www.unece.org/trans/main/wp29/wp29wgs/wp29gen/wp29fdocsts.html>

**Amendments to Regulation No 138 of the Economic Commission for Europe of the United Nations (UN/ECE) — Uniform provisions concerning the approval of Quiet Road Transport Vehicles with regard to their reduced audibility**

Amendments to Regulation No 138 published in OJ L 9 of 13 January 2017

Incorporating:

Supplement 1 to the original version of the Regulation — Date of entry into force: 10 October 2017

01 series of amendments — Date of entry into force: 10 October 2017

Paragraph 1, amend to read:

‘1. SCOPE

This Regulation applies to electrified vehicles of categories M and N which can be propelled in the normal mode, in reverse or at least one forward drive gear, without an internal combustion engine operating <sup>(1)</sup> in respect to their audibility.’

Paragraph 2.7, amend to read:

‘2.7. “Pause function” means a mechanism to enable the driver to halt the operation of an AVAS.’

Paragraph 6.2.6, amend to read:

‘6.2.6. Pause function

Any pause function as defined in paragraph 2.7 shall be prohibited.’

Paragraph 11, amend to read:

‘11. TRANSITIONAL PROVISIONS

11.1. Until 30 June 2019 ISO 10844:1994 may be applied as an alternative to ISO 10844:2014 to check compliance of the test track as described in Annex 3, paragraph 2.1.2 of this Regulation.

11.2. As from the official date of entry into force of the 01 series of amendments, no Contracting Party applying this Regulation shall refuse to grant or refuse to accept type approvals under this Regulation as amended by the 01 series of amendments.

11.3. As from 1 September 2019, Contracting Parties applying this Regulation shall not be obliged to accept type approvals to this Regulation in its original version, first issued after 1 September 2019.

11.4. Until 1 September 2021, Contracting Parties applying this Regulation shall accept type approvals to this Regulation in its original version, first issued before 1 September 2019.

11.5. As from 1 September 2021, Contracting Parties applying this Regulation shall not be obliged to accept type approvals to this Regulation in its original version.

- 11.6. Notwithstanding paragraphs 11.3 to 11.5 above, type approvals granted to this Regulation in its original version, which are not affected by the 01 series of amendments, shall remain valid and Contracting Parties applying this Regulation shall accept them.
- 11.7. Notwithstanding the transitional provisions above, Contracting Parties whose application of this Regulation comes into force after the date of entry into force of the 01 series of amendments are not obliged to accept type approvals which were granted in accordance with this Regulation in its original version and are only obliged to accept type approval granted in accordance with the 01 series of amendments.
- 11.8. Contracting Parties applying this Regulation shall not refuse to grant type approvals, or extensions thereof, under this Regulation in its original version.'

Annex 1, Addendum to the communication form No ..., Technical Information, paragraph 1.2, amend to read:

- '1.2. Description of AVAS (if applicable): .....
  - 1.2.1. Sound at Stationary (yes/no)
  - 1.2.2. No of driver selectable sounds (1/2/3/...)
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