

# Official Journal

## of the European Union

# L 194



English edition

## Legislation

Volume 61

31 July 2018

Contents

### II *Non-legislative acts*

#### INTERNATIONAL AGREEMENTS

- ★ **Council Decision (EU) 2018/1069 of 26 July 2018 on the signing, on behalf of the Union, and provisional application of the Protocol on the implementation of the Fisheries Partnership Agreement between the European Union and the Republic of Côte d'Ivoire (2018-2024)** 1
- Protocol on the implementation of the Fisheries Partnership Agreement between the European Union and the Republic of Côte d'Ivoire (2018-2024)** ..... 3

#### REGULATIONS

- ★ **Council Regulation (EU) 2018/1070 of 26 July 2018 amending Regulation (EU) 2017/1970 fixing for 2018 the fishing opportunities for certain fish stocks and groups of fish stocks applicable in the Baltic Sea** ..... 21
- ★ **Council Implementing Regulation (EU) 2018/1071 of 30 July 2018 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) 2018/468** ..... 23
- ★ **Council Implementing Regulation (EU) 2018/1072 of 30 July 2018 implementing Regulation (EU) No 269/2014 concerning restrictive measures in respect of actions undermining or threatening the territorial integrity, sovereignty and independence of Ukraine** ..... 27
- ★ **Council Implementing Regulation (EU) 2018/1073 of 30 July 2018 implementing Article 21(2) of Regulation (EU) 2016/44 concerning restrictive measures in view of the situation in Libya** 30
- ★ **Council Implementing Regulation (EU) 2018/1074 of 30 July 2018 implementing Regulation (EU) 2017/1509 concerning restrictive measures against the Democratic People's Republic of Korea** ..... 32

# 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.

★ Commission Implementing Regulation (EU) 2018/1075 of 27 July 2018 renewing the approval of the active substance <i>Ampelomyces quisqualis</i> strain AQ10, as a low-risk active substance, in accordance with Regulation (EC) No 1107/2009 of the European Parliament and of the Council concerning the placing of plant protection products on the market, and amending the Annex to Commission Implementing Regulation (EU) No 540/2011 <sup>(1)</sup> .....	36
★ Commission Implementing Regulation (EU) 2018/1076 of 30 July 2018 amending Regulation (EU) No 37/2010 to classify the substance isoflurane as regards its maximum residue limit <sup>(1)</sup> .....	41
★ Commission Implementing Regulation (EU) 2018/1077 of 30 July 2018 amending Implementing Regulation (EU) No 808/2014 laying down rules for the application of Regulation (EU) No 1305/2013 of the European Parliament and of the Council on support for rural development by the European Agricultural Fund for Rural Development (EAFRD) .....	44
★ Commission Implementing Regulation (EU) 2018/1078 of 30 July 2018 laying down technical information for the calculation of technical provisions and basic own funds for reporting with reference dates from 30 June 2018 until 29 September 2018 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> .....	47
★ Commission Implementing Regulation (EU) 2018/1079 of 30 July 2018 concerning the authorisation of a preparation of <i>Bacillus subtilis</i> DSM 28343 as a feed additive for weaned piglets (holder of authorisation Lactosan GmbH & Co. KG) <sup>(1)</sup> .....	131
★ Commission Implementing Regulation (EU) 2018/1080 of 30 July 2018 concerning the authorisation of the preparation of <i>Bacillus subtilis</i> DSM 29784 as a feed additive for minor poultry species for fattening and reared for laying (holder of authorisation Adisseo France SAS) <sup>(1)</sup> .....	134
★ Commission Implementing Regulation (EU) 2018/1081 of 30 July 2018 concerning the authorisation of the preparation of <i>Bacillus subtilis</i> C-3102 (DSM 15544) as a feed additive for pigs for fattening (holder of the authorisation Asahi Calpis Wellness Co. Ltd, represented by Asahi Calpis Wellness Co. Ltd Europe Representative Office) <sup>(1)</sup> .....	137

#### DECISIONS

★ Council Decision (CFSP) 2018/1082 of 30 July 2018 amending Decision (CFSP) 2016/610 on a European Union military training mission in the Central African Republic .....	140
★ Council Decision (CFSP) 2018/1083 of 30 July 2018 amending Joint Action 2008/851/CFSP on a European Union military operation to contribute to the deterrence, prevention and repression of acts of piracy and armed robbery off the Somali coast .....	142
★ Council Decision (CFSP) 2018/1084 of 30 July 2018 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) 2018/475 .....	144
★ Council Decision (CFSP) 2018/1085 of 30 July 2018 amending Decision 2014/145/CFSP concerning restrictive measures in respect of actions undermining or threatening the territorial integrity, sovereignty and independence of Ukraine .....	147
★ Council Implementing Decision (CFSP) 2018/1086 of 30 July 2018 implementing Decision (CFSP) 2015/1333 concerning restrictive measures in view of the situation in Libya .....	150

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

- ★ **Council Decision (CFSP) 2018/1087 of 30 July 2018 amending Decision (CFSP) 2016/849 concerning restrictive measures against the Democratic People’s Republic of Korea ..... 152**

ACTS ADOPTED BY BODIES CREATED BY INTERNATIONAL AGREEMENTS

- ★ **Decision No 1/2018 of the EPA Committee set up by the Stepping Stone Economic Partnership Agreement between Côte d’Ivoire, of the one part, and the European Community and its Member States, of the other part, of 22 March 2018 regarding the adoption of the rules of procedure of the EPA Committee [2018/1088] ..... 158**



## II

(Non-legislative acts)

## INTERNATIONAL AGREEMENTS

## COUNCIL DECISION (EU) 2018/1069

of 26 July 2018

**on the signing, on behalf of the Union, and provisional application of the Protocol on the implementation of the Fisheries Partnership Agreement between the European Union and the Republic of Côte d'Ivoire (2018-2024)**

THE COUNCIL OF THE EUROPEAN UNION,

Having regard to the Treaty on the Functioning of the European Union, and in particular Article 43, in conjunction with Article 218(5) thereof,

Having regard to the proposal from the European Commission,

Whereas:

- (1) On 17 March 2008, the Council adopted Regulation (EC) No 242/2008 <sup>(1)</sup> concluding the Fisheries Partnership Agreement between the Republic of Côte d'Ivoire and the European Community <sup>(2)</sup> (the 'Agreement'). The Agreement was then tacitly renewed and is still in force.
- (2) The last Protocol to the Agreement expired on 30 June 2018.
- (3) The Commission has negotiated, on behalf of the Union, a new Protocol implementing the Agreement (the 'Protocol'). The Protocol was initialled on 16 March 2018.
- (4) The objective of the Protocol is to enable the Union and the Republic of Côte d'Ivoire ('Côte d'Ivoire') to work more closely on promoting a sustainable fisheries policy, sound exploitation of fishery resources in Ivorian waters, and Côte d'Ivoire's efforts to develop a blue economy.
- (5) The Protocol should be signed.
- (6) In order to ensure an expeditious start to fishing activities of Union vessels, the Protocol should be applied on a provisional basis, pending the completion of the procedures necessary for its entry into force,

HAS ADOPTED THIS DECISION:

*Article 1*

The signing on behalf of the Union of the Protocol on the implementation of the Fisheries Partnership Agreement between the European Union and the Republic of Côte d'Ivoire is hereby authorised, subject to the conclusion of the said Protocol.

The text of the Protocol is attached to this Decision.

*Article 2*

The President of the Council is hereby authorised to designate the person(s) empowered to sign the Protocol on behalf of the Union.

<sup>(1)</sup> Council Regulation (EC) No 242/2008 of 17 March 2008 on the conclusion of the Fisheries Partnership Agreement between the European Community and the Republic of Côte d'Ivoire (OJ L 75, 18.3.2008, p. 51).

<sup>(2)</sup> OJ L 48, 22.2.2008, p. 41.

*Article 3*

In accordance with Article 13 of the Protocol, the Protocol shall be applied on a provisional basis as from the signature thereof, pending the completion of the procedures necessary for its entry into force.

*Article 4*

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, 26 July 2018.

*For the Council*  
*The President*  
G. BLÜMEL

---

## PROTOCOL

### on the implementation of the Fisheries Partnership Agreement between the European Union and the Republic of Côte d'Ivoire (2018-2024)

#### Article 1

##### Period of application and fishing opportunities

1. From 1 August 2018, and for a period of six years, the fishing opportunities granted under Article 5 of the Fisheries Partnership Agreement between the European Union and the Republic of Côte d'Ivoire (the 'Agreement') shall be as follows:

- freezer tuna seiners: 28 vessels;
- surface longliners: 8 vessels.

These fishing opportunities target fishing for highly migratory species (species listed in Annex 1 to the 1982 United Nations Convention), with the exception of species which are protected or prohibited in the framework of the International Commission for the Conservation of Atlantic Tunas (ICCAT) or other international agreements.

2. Paragraph 1 shall apply subject to Articles 5 and 6 of this Protocol.

3. Vessels flying the flag of a Member State of the European Union (the 'Union vessels') may engage in fishing activities in the Ivorian fishing zone only if they are in possession of a fishing licence for that zone under this Protocol.

#### Article 2

##### Transparency

The Republic of Côte d'Ivoire ('Côte d'Ivoire') undertakes to exchange information relating to any agreement authorising access to other foreign vessels in its fishing zone, in particular the number of authorisations issued and catches made, in accordance with Article 11 of this Protocol.

Côte d'Ivoire shall also provide data on the fishing effort of Ivorian tuna vessels with an industrial fishing licence.

#### Article 3

##### Financial contribution – methods of payment

1. The financial contribution referred to in Article 7 of the Agreement shall be EUR 682 000 per year, or a total of EUR 4 092 000 for the period referred to in Article 1.

2. The financial contribution comprises:

- (a) an annual amount of EUR 330 000 for access to the Ivorian fishing zone for the first and second years of application of this Protocol and EUR 275 000 for the remaining years, equivalent to a reference tonnage of 5 500 tonnes per year; and
- (b) a specific annual amount of EUR 352 000 for the first two years of application of this Protocol and EUR 407 000 for the following years, the purpose of which is to support the implementation of the sectoral fisheries policy in Côte d'Ivoire.

3. In addition, vessel owners shall make an annual financial contribution estimated at EUR 330 400 for access to the Ivorian fishing zone in accordance with the arrangements laid down in Chapter II of the Annex to this Protocol.

4. Paragraph 2 of this Article shall apply subject to Articles 4, 5, 6 and 9 of this Protocol and Articles 12 and 13 of the Agreement.

5. If the overall quantity of catches by Union vessels in the Ivorian fishing zone exceeds the reference tonnage, the amount of the annual financial contribution shall be increased by EUR 60 for each additional tonne caught during the first two years of application of this Protocol and by EUR 70 for the following years. However, the total annual amount paid by the Union shall not be more than twice the amount indicated in point (a) of paragraph 2. If the quantities caught by Union vessels exceed the quantities corresponding to twice the total annual amount, the amount due for the quantity exceeding that limit shall be paid the following year.

6. Payment of the financial contribution laid down in paragraph 1 shall be made no later than 90 days after the date of provisional application of this Protocol in the first year and no later than the renewal date of this Protocol in the following years.

7. The Ivorian authorities shall have full discretion regarding the use to which the financial contribution referred to in point (a) of paragraph 2 is put.

8. The financial contribution referred to in point (a) of paragraph 2 shall be paid to the Public Treasury of Côte d'Ivoire.

9. The financial contribution referred to in point (b) of paragraph 2 shall be paid into a dedicated account for the implementation of sectoral support opened with the bank of the Public Treasury of Côte d'Ivoire.

The Ivorian authorities shall notify the Union of the relevant bank account numbers on an annual basis.

Each of these financial contributions shall be included in the State budget and shall be subject to the Ivorian public finance management rules and procedures.

#### *Article 4*

### **Sectoral support**

1. Sectoral support, under this Protocol, shall contribute to the implementation of the Strategic Plan for the Development of Livestock, Fisheries and Aquaculture of Côte d'Ivoire. Its aim is to sustainably manage inland and maritime fisheries resources by, in particular:

- (a) improving monitoring, control and surveillance of fisheries activities;
- (b) improving scientific knowledge of fish stocks;
- (c) improving fisheries statistics;
- (d) supporting small-scale fishing;
- (e) strengthening international cooperation;
- (f) supporting the blue economy and developing aquaculture.

2. No later than three months after the start of provisional application of this Protocol, the Union and Côte d'Ivoire shall agree, within the Joint Committee set up under Article 9 of the Agreement, on a multiannual sectoral programme and detailed implementing rules, in particular:

- (a) the annual and multiannual guidelines for using the financial contribution referred to in Article 3(2)(b);
- (b) the objectives to be achieved and the activities to be carried out on an annual and multiannual basis in order to promote responsible and sustainable fisheries, taking account of the priorities expressed by Côte d'Ivoire in its national fisheries and aquaculture policy;
- (c) the criteria and procedures used for evaluating the results obtained, on an annual basis.

3. Any proposed changes to the multiannual or annual sectoral programme or to the use of the specific amounts for the initiatives to be carried out shall be notified in advance to the European Commission and be approved by the two Parties within the Joint Committee, where appropriate by exchange of letters.

4. Each year, the Parties shall carry out an evaluation within the Joint Committee of the progress made in implementing the multiannual sectoral programme. Where this evaluation indicates that the achievement of the objectives of the financial contribution of Article 3(2)(b) is not in line with the programming or where the implementation of the financial contribution is deemed insufficient by the Joint Committee, the contribution may be reviewed or suspended.

Payment of the financial contribution shall resume after consultation and agreement by both Parties when the results of the implementation of the sectoral support comply with the programming adopted by the Joint Committee.

The two Parties shall continue to monitor the sectoral support until the specific financial contribution provided for in Article 3(2)(b) has been used up, if necessary after this Protocol expires.

However, except in cases of *force majeure*, this specific financial contribution may not be paid out beyond a period of six months after this Protocol expires.

#### Article 5

##### **Scientific and technical cooperation to ensure responsible fishing**

1. The Parties hereby undertake to promote responsible fishing in Ivorian waters on the basis of the principle of non-discrimination between the different fleets fishing in those waters.
2. During the period covered by this Protocol, the Union and the Ivorian authorities shall cooperate on monitoring the evolution of catches, the fishing effort and the state of fisheries resources in the Ivorian fishing zone.
3. The Parties undertake to promote cooperation at subregional level on responsible fishing, in particular, within the International Commission for the Conservation of Atlantic Tunas (ICCAT) and any other subregional or international organisation concerned. The Parties undertake to comply with all ICCAT recommendations.
4. In accordance with Article 4 of the Agreement and on the basis of the recommendations and resolutions adopted within the ICCAT, and in the light of the best available scientific advice, the Parties shall consult each other within the Joint Committee and adopt, where appropriate after a scientific meeting, measures to ensure the sustainable management of fisheries resources affecting the activities of Union vessels.
5. The Parties shall work together to strengthen the mechanisms for control, inspection and the combating of illegal, unreported and unregulated fishing in Côte d'Ivoire.

#### Article 6

##### **Review of fishing opportunities and technical measures by mutual agreement**

1. The fishing opportunities referred to in Article 1 may be increased by mutual agreement provided that the consultations referred to in Article 5(4) confirm that such an increase will not endanger the sustainable management of the resources of Côte d'Ivoire. In this case the financial contribution referred to in Article 3(1) shall be increased proportionately and pro rata temporis.
2. Conversely, if the Parties agree to adopt a reduction in the fishing opportunities provided for in Article 1, the financial contribution shall be reduced proportionately and pro rata temporis.
3. The allocation of the fishing opportunities among different categories of vessels may also be reviewed, following consultations and by mutual agreement between the Parties, provided that any changes comply with recommendations made at the scientific meeting referred to in Article 5(4) regarding the management of stocks liable to be affected by such redistribution. The Parties shall agree on the corresponding adjustment of the financial contribution where the redistribution of fishing opportunities so warrants.
4. The Joint Committee may, where necessary, examine and adapt the technical conditions governing fishing activities and the rules for the implementation of the sectoral support provided for in this Protocol.

*Article 7***New fishing opportunities and exploratory fishing**

1. Should Union vessels be interested in fishing activities which are not indicated in Article 1, the Union shall consult Côte d'Ivoire in order to seek authorisation for these new activities. In the course of these consultations, the Parties shall take account of the relevant scientific opinions, in particular opinions issued by regional or subregional fisheries organisations. Where appropriate, the Parties shall agree on the conditions applicable to these new fishing opportunities and on the implementation of multiannual management plans. They shall, if necessary, make amendments to this Protocol and to the Annex thereto.
2. Following the consultations laid down in Article 5(4), the Parties may authorise exploratory fishing surveys in the Ivorian fishing zone to test the technical feasibility and the economic viability of new fisheries.
  - 2.1. To that end, the Union shall communicate to the Ivorian authorities the applications for exploratory fishing licences on the basis of a technical file indicating:
    - the technical characteristics of the vessel;
    - the vessel's officers' level of expertise in the relevant fishery;
    - the proposal for the technical parameters of the trip (length, gear, exploration regions, etc.).
  - 2.2. The exploratory fishing trips shall have a maximum duration of six months. They shall be subject to the payment of a fee set by the Ivorian authorities.
  - 2.3. A scientific observer from the flag State and an observer chosen by the Ivorian authorities shall be present on board throughout the duration of the trip.
  - 2.4. Catches consistent with and obtained during the exploratory trip shall remain the property of the vessel owner.
  - 2.5. The detailed results of the trip shall be sent to the Joint Committee for analysis.

*Article 8***Applicable legislation**

1. The activities of Union vessels operating in Ivorian waters shall be governed by the applicable law in Côte d'Ivoire, unless otherwise provided for in the Agreement and this Protocol.
2. The Ivorian authorities shall immediately inform the Union of any change or any new legislation relating to the fishing sector.
3. The Union shall inform the Ivorian authorities of any change or any new legislation relating to the fishing activities of the Union distant-water fleet.

*Article 9***Suspension of the implementation of the Protocol**

1. The implementation of this Protocol may be suspended at the initiative of one of the two Parties after consultation within the Joint Committee, if one or more of the following conditions apply:
  - (a) unusual circumstances, as defined in Article 2(h) of the Agreement, preventing fishing activities in the Ivorian fishing zone;
  - (b) significant changes in the formulation or implementation of the fisheries policy of either one of the Parties affecting the provisions of this Protocol;

- (c) activation of the consultation mechanisms laid down in Articles 8 and 96 of the Cotonou Agreement owing to a violation of essential and fundamental elements regarding human rights set out in Article 9 of that Agreement;
- (d) non-payment by the Union of the financial contribution provided for in Article 3(2)(a), in accordance with the provisions of paragraph 5 of this Article;
- (e) a serious and unresolved dispute between the two Parties within the Joint Committee on the application or the interpretation of this Protocol.

2. Where the application of this Protocol is suspended for reasons other than those given in point (c) of paragraph 1, the Party concerned shall be required to notify its intention in writing at least three months before the date on which suspension is due to take effect. Suspension of this Protocol for the reasons given in point (c) of paragraph 1 shall apply immediately after the suspension decision has been taken.

3. In the event of suspension, the Parties shall continue to consult with a view to finding an amicable settlement to their dispute. Where such a settlement is reached, application of this Protocol shall resume and the amount of the financial contribution shall be reduced proportionately and pro rata temporis according to the period during which application of this Protocol was suspended.

4. The fishing authorisations granted to Union vessels may be suspended at the same time as the suspension of the payment of the financial contribution under Article 3(2)(a). If resumed, the validity of these fishing authorisations shall be extended for a period equal to the period of suspension of fishing activities.

5. Save as provided for in paragraph 1 of this Article, if the Union omits to make the payment laid down in Article 3(2)(a), the Ivorian authorities shall officially inform the Union of the non-payment. The Union shall perform the appropriate checks and, where necessary, transmit the payment within no more than 60 days of the date of receipt of the official request.

If no payment has been made by that deadline without proper justification, the Ivorian authorities shall be entitled to suspend application of this Protocol in accordance with paragraphs 2, 3 and 4 of this Article. Application of this Protocol shall resume as soon as the payment concerned has been made.

#### *Article 10*

##### **Electronic communication**

1. The Union and Côte d'Ivoire shall ensure proper operation of the IT systems required for the electronic exchange of all the information and documents relating to the implementation of the Agreement and this Protocol.
2. The electronic form of a document shall be considered equivalent to the paper version in every respect.
3. The Union and Côte d'Ivoire shall inform each other of any malfunction of an IT system as soon as possible. The information and documents relating to the implementation of the Agreement and this Protocol shall then be automatically replaced by their paper version.

#### *Article 11*

##### **Confidentiality of information**

The Union and Côte d'Ivoire shall ensure that all nominative data relating to Union vessels and their fishing activities obtained within the framework of the Agreement and this Protocol are, at all times, processed strictly in accordance with their respective principles of confidentiality and data protection.

The Parties shall ensure that only aggregated data for tuna fishing activities in the Ivorian fishing zone are made public, in conformity with the corresponding provisions of the ICCAT and other regional or subregional fisheries organisations.

Data considered confidential shall be used by the competent authorities exclusively for the purposes of implementing the Agreement and this Protocol.

*Article 12***Termination**

1. In the event of termination of this Protocol, the Party concerned shall notify the other Party in writing of its intention to terminate this Protocol at least six months before the date on which such termination would take effect.
2. Dispatch of the notification, as referred to in paragraph 1, shall open consultations between the Parties.

*Article 13***Provisional application**

This Protocol shall apply provisionally from the date of its signature by the Parties.

*Article 14***Entry into force**

This Protocol shall enter into force on the date on which the Parties notify each other of the completion of the procedures necessary for this purpose.

*For the European Union*

*For the Republic of Côte d'Ivoire*

\_\_\_\_\_

## ANNEX

**CONDITIONS GOVERNING FISHING ACTIVITIES BY UNION VESSELS IN THE IVORIAN FISHING ZONE**

## CHAPTER I

**GENERAL PROVISIONS**

## 1. Designation of the competent authority

For the purposes of this Annex and unless otherwise specified hereinafter, any reference to the European Union or to the Côte d'Ivoire as a competent authority shall mean:

- for the European Union: the European Commission, where applicable via the Delegation of the European Union in Côte d'Ivoire;
- for Côte d'Ivoire: the Ministry responsible for fisheries.

## 2. Fishing zone

The Côte d'Ivoire authorities shall send the competent Union services the geographic coordinates of the Ivorian fishing zone from the base line, as soon as possible.

Union vessels may carry out fishing activities in waters beyond 12 nautical miles from the base line subject to the provisions of point 3 of this Chapter.

## 3. Zones closed to shipping and to fishing

When issuing the fishing licence, Côte d'Ivoire shall inform vessel owners and the Union of the boundaries of the zones in which shipping and fishing are prohibited. Any changes to these zones shall be notified to the Union as soon as possible.

## 4. Bank account

Côte d'Ivoire shall send the Union the details of the Public Treasury account into which the financial sums payable by Union vessels under the Agreement should be paid, before the provisional application of this Protocol. The associated bank transfer costs shall be borne by vessel owners.

## CHAPTER II

**FISHING AUTHORISATIONS**

For the purposes of applying the provisions of this Annex, the term 'licence' shall be equivalent to the term 'fishing authorisation', as laid down in Union legislation.

## Section 1: Applicable procedures

## 1. Conditions for obtaining a fishing licence – eligible vessels

Only eligible vessels may obtain a licence to fish in the Ivorian fishing zone. For this, they must be entered in the register of Union vessels and comply with the provisions of Regulation (EU) 2017/2403 of the European Parliament and of the Council <sup>(1)</sup>.

For a vessel to be eligible, the owner, the master and the vessel itself must not be prohibited from fishing in Côte d'Ivoire. They must be in order vis-à-vis the Ivorian authorities insofar as they must have fulfilled all prior obligations arising from their fishing activities in Côte d'Ivoire under fisheries agreements concluded with the Union.

## 2. Licence applications

The relevant Union authorities shall submit, by electronic means or by any other expeditious method, to the Ministry responsible for fisheries in Côte d'Ivoire an application for each vessel wishing to fish under the Agreement at least 30 working days before the date of commencement of the period of validity requested.

<sup>(1)</sup> Regulation (EU) 2017/2403 of the European Parliament and of the Council of 12 December 2017 on the sustainable management of external fishing fleets, and repealing Council Regulation (EC) No 1006/2008 (OJ L 347, 28.12.2017, p. 81).

Applications shall be submitted to the Ministry responsible for fisheries on a form drawn up in accordance with the specimen in Appendix 1.

All licence applications shall be accompanied by the following documents:

- proof of payment of the flat-rate advance for the period of validity of the licence;
- the seaworthiness certificate of the vessel;
- the vessel insurance certificate;
- a recent colour photograph of the vessel (side view), indicating clearly the name of the vessel and its registration number;
- an illustration and a detailed description of the fishing gear used.

For the renewal of a licence under this Protocol for a vessel whose technical specifications have not been modified, the renewal application shall be accompanied only by proof of payment of the fee.

### 3. Flat-rate fee

The fee shall be paid into the account specified by the Ivorian authorities in accordance with Chapter I, point 4 of this Annex.

The fees shall include all national and local charges, with the exception of port taxes and service charges.

### 4. Provisional list of authorised vessels

Once it has received the fishing authorisation applications and notification of payment of the advance, Côte d'Ivoire shall draw up the provisional list of applicant vessels. This list shall immediately be sent electronically to the Union and the national authority responsible for supervising fishing. Vessels shall be authorised to fish as soon as they are included on the provisional list. Vessels must keep a copy of the provisional list on board at all times until their fishing authorisation is issued.

### 5. Issuing of licences

Licences for all vessels shall be issued to vessel owners or their representatives, where applicable through the Delegation of the European Union to Côte d'Ivoire, within 21 working days of receipt of all the documents referred to in point 2 of this Chapter by the Ministry responsible for fisheries in Côte d'Ivoire.

Licences shall be valid for a maximum of one year and are renewable.

### 6. List of vessels authorised to fish

Once the licence is issued, Côte d'Ivoire shall immediately draw up the final list of vessels authorised to fish in the Ivorian fishing zone. This list shall be sent immediately to the national body responsible for monitoring fishing and to the Union and shall replace the provisional list referred to above.

### 7. Licence transfer

Licences shall be issued for a specific vessel and shall not be transferable. However, at the request of the Union and where force majeure is proven, such as in the event of the loss or prolonged immobilisation of a vessel due to a serious technical failure, the licence of one vessel shall be replaced by a new licence for another vessel of the same fishing category as referred to in Article 1 of this Protocol and belonging to the same vessel owner, the same association of vessel owners or the same producers' organisation, with no further fee being charged. In that case, the calculation of the catch levels to determine whether an additional payment should be made shall take account of the sum of the total catches of the two vessels.

The owner of the vessel to be replaced, or his or her representative, shall return the cancelled licence to the Ministry responsible for fisheries in Côte d'Ivoire via the Delegation of the European Union to Côte d'Ivoire.

The new licence shall take effect on the day that the vessel's owner returns the cancelled licence to the Ministry responsible for fisheries in Côte d'Ivoire. The Delegation of the European Union to Côte d'Ivoire shall be informed of the licence transfer.

#### 8. Keeping a licence on board

The licence must be held on board at all times. Vessels shall, however, be authorised to fish as soon as they are included on the provisional list referred to in point 4 of this Chapter.

#### 9. Support vessels

At the request of the Union, and following an examination by the Ivorian authorities, Côte d'Ivoire shall authorise Union vessels holding a fishing licence to be assisted by support vessels.

The support vessels may not be equipped for fishing. This support must not include refuelling or the transhipment of catches.

Support vessels are subject to the same procedure as regards the sending of applications for fishing authorisations set out in this Chapter, to the extent applicable. Côte d'Ivoire shall draw up a list of authorised support vessels and send it to the Union immediately.

These vessels shall be subject to the payment of an annual fee of EUR 3 500.

### Section 2: Fees and advance payments

#### 1. For tuna seiners and surface longliners, the fee per tonne caught within the Ivorian fishing zone shall be set at:

- EUR 60 for the first and second years of application of this Protocol;
- EUR 70 for the third, fourth, fifth and sixth years.

#### 2. Licences shall be issued once the following annual flat-rate advance fees have been paid to the competent national authorities:

##### (a) For tuna seiners:

- EUR 7 620 per vessel, equivalent to fees due for 127 tonnes per year during the first and second years of application of this Protocol;
- EUR 8 890 per vessel, equivalent to fees due for 127 tonnes per year for the third, fourth, fifth and sixth years.

##### (b) For surface longliners:

- EUR 2 400 per vessel, equivalent to fees due for 40 tonnes per year during the first and second years of application of this Protocol;
- EUR 2 800 per vessel, equivalent to fees due for 40 tonnes per year for the third, fourth, fifth and sixth years.

Where a licence is for less than one year, the amount of the fee shall be in proportion to the term of the licence in accordance with Côte d'Ivoire legislation. However, for tuna seiners, the term of the licence may not be less than 12 months.

#### 3. The Union shall draw up for each vessel a statement of catches and a statement of fees owed by the vessel in respect of its annual season for the previous calendar year. It shall forward those statements to the authorities of Côte d'Ivoire at the latest by the end of April of the current year. Côte d'Ivoire may challenge those statements, on the basis of documentary proof, within 30 days of their receipt. In the case of disagreement, the Parties shall consult each other in the Joint Committee. If Côte d'Ivoire does not object within 30 days, the statements are deemed to have been adopted.

#### 4. Where the final statement is greater than the flat-rate fee paid to obtain the fishing authorisation, the vessel owner shall pay the outstanding balance to Côte d'Ivoire within 45 days unless the vessel owner contests the payment. However, if the amount of the final statement is lower than the advance referred to in point 2 of this Section, the resulting balance shall not be reimbursable to the vessel owner.

## CHAPTER III

**CATCH REPORTING**

## 1. Fishing logbook

The master of a Union vessel fishing under the Agreement shall keep a fishing logbook, in accordance with the relevant ICCAT recommendations and resolutions for seiners and longliners.

The fishing logbook shall be completed by the master for each day the vessel is present in the Ivorian fishing zone.

Each day the master shall record in the fishing logbook the quantity of each species, identified by its Food and Agriculture Organisation (FAO) alpha 3 code, caught and kept on board, expressed in kilograms of live weight or, where necessary, the number of individual fish. For each main species, the master shall also include the bad catch. Where applicable, the master shall also record each day in the fishing logbook the quantities of each species thrown back into the sea, expressed in kilograms of live weight or, where necessary, the number of individual fish.

The fishing logbook shall be filled in legibly, in block capitals, and shall be signed by the master.

The master shall be responsible for the accuracy of the data recorded in the fishing logbook.

## 2. Transmission of the catch reports

At the end of each trip, the master shall report the vessel's catch by sending Côte d'Ivoire an electronic copy of its fishing logbooks for the period of its presence in the Ivorian fishing zone. At the same time he shall send a copy to the Centre de Recherches Océanologiques de Côte d'Ivoire (Ivorian Oceanology Research Centre – CRO) and to one of the following scientific institutes:

- (a) Institut de recherche pour le développement (IRD);
- (b) Instituto Español de Oceanografía (IEO);
- (c) IPMA (Instituto Português do Mar e da Atmosfera).

When leaving the Ivorian fishing zone before the end of the trip, without first passing through an Ivorian port, the fishing logbook shall be sent within a period of seven days after leaving the Ivorian fishing zone.

If they cannot be sent by e-mail, the catch reports can be sent either by post or by fax.

The email address and telephone and fax numbers to be used shall be sent by the Ivorian authorities prior to the provisional application of this Protocol. Côte d'Ivoire shall immediately inform the vessels concerned and the Union of any change to those contact details.

If the provisions set out in this Chapter are not complied with, the Government of Côte d'Ivoire reserves the right to suspend the licence of the offending vessel until formalities have been completed and to apply the penalty laid down in current Ivorian legislation to the vessel owner. The Union and the flag Member State shall be informed thereof.

## 3. Transition to an electronic reporting system (ERS)

The two Parties indicate their shared willingness to ensure, during the first year of application of this Protocol, a transition to an electronic system of communication and transmission of data relating to fishing activities, including the daily transmission of catch data reports.

The Parties agree to determine together the terms of this transition within the Joint Committee in order to make the system operational as soon as possible.

## CHAPTER IV

**TECHNICAL MEASURES**

The technical measures applicable to the vessels holding a fishing licence, relating to the fishing zone, authorised gear and prohibited species, shall be defined in the technical sheet contained in Appendix 2 to this Annex.

Vessels shall comply with the measures and recommendations adopted by the ICCAT in the region regarding fishing gear and fish aggregating devices, the technical specifications thereof and all other technical measures applicable to their fishing activities.

## CHAPTER V

### MONITORING, CONTROL AND SURVEILLANCE

#### Section I: Control and inspection

##### 1. Entering and leaving the zone

- 1.1. At least three hours in advance, Union vessels shall notify the competent Ivorian authorities responsible for fisheries control of their intention to enter or leave the Ivorian fishing zone.

When notifying its entry or exit, the vessel shall notify in particular:

- (i) the date, time and point of passage scheduled;
  - (ii) the quantity of each species held on board, identified by its FAO alpha 3 code and expressed in kilograms of live weight or, if necessary, the number of individual fish;
  - (iii) the nature and presentation of the product.
- 1.2. The information referred to in subpoint 1.1 should preferably be communicated by e-mail or, failing that, by fax. The Côte d'Ivoire shall immediately confirm receipt thereof.
- 1.3. Vessels found to be fishing without having informed the competent Côte d'Ivoire authority shall be regarded as vessels in breach of the rules.

##### 2. Inspection procedures

- 2.1. Masters of Union vessels engaged in fishing activities in Ivorian waters shall allow any Ivorian official responsible for the inspection and control of fishing activities to discharge their duties.
- 2.2. These officials shall not remain on board for longer than is necessary for the discharge of their duties.

At the end of each inspection, the Ivorian inspectors shall draw up an inspection report. The master of the Union vessel shall have the right to include their comments in the inspection report. The inspection report shall be signed by the inspector drawing up the report and by the master of the Union vessel. The signing of the inspection report by the master shall be without prejudice to the vessel owner's right of defence in respect of any infringement found. If the master refuses to sign this document, he or she shall specify the reasons for doing so in writing and the inspector shall write 'Refused to sign' on it. The Ivorian inspectors shall issue a copy of the inspection report to the master of the Union vessel before leaving.

- 2.3. Côte d'Ivoire may authorise the Union to take part in inspections as an observer.

##### 3. Participatory monitoring in the fight against illegal, unregulated and unreported (IUU) fishing

In order to strengthen monitoring of fishing on the high seas and the fight against IUU fishing, Union vessels shall report the presence of any vessels in the Ivorian fishing zone that are suspected of conducting illegal fishing activities.

##### 4. Landings and transshipments

- 4.1. All Union vessels wishing to land or transship catches in Ivorian waters shall do so only in or off Ivorian ports.
- 4.2. The owners of these vessels shall notify the following information to the competent Ivorian authorities at least 24 hours in advance:
- the names of the landing or transshipping fishing vessels;
  - in the case of transshipment, the name, International Maritime Organisation (IMO) number and flag of the receiving vessel;

- the tonnage by species to be landed or transshipped;
- the day and place of the transaction.

4.3. In the case of transshipment, the masters must send the catch reports to the competent Ivorian authorities.

4.4. Masters of Union vessels engaged in landing or transshipment operations in Côte d'Ivoire shall allow and facilitate the inspection of such operations by duly mandated inspectors, who are recognisable as such. Once the inspection has been completed, a copy of the report shall be issued to the master.

## Section II: Satellite-based vessel monitoring system

### 1. Vessel position messages

Whilst they are in the Ivorian fishing zone, Union vessels holding a licence must be equipped with a satellite-based vessel monitoring system (VMS) to enable automatic and continuous communication of their position, at all times, to the Fisheries Monitoring Centre (FMC) of their flag State.

The position messages shall comply with the specifications relating to the geographical position of vessels included in the ICCAT recommendations. Those messages must be configured according to the format specified by the applicable ICCAT standards.

The FMC of the flag State shall ensure the automatic processing and, if necessary, the electronic transmission of the position messages. The position messages shall be recorded in a secure manner and kept for a period of three years.

### 2. Transmission by the vessel in the event of breakdown of the VMS system

The master shall ensure at all times that the VMS of his/her vessel is fully operational and that the position messages are correctly transmitted to the FMC of the flag State.

In the event of breakdown, the VMS of the vessel shall be repaired or replaced within one month. After that period, the vessel shall no longer be authorised to fish in the Ivorian fishing zone.

Vessels fishing in the Ivorian fishing zone with a defective VMS system shall communicate their position messages by e-mail, radio or fax to the FMC of the flag State, at least every four hours, and shall provide all the compulsory information set out in point 1.

### 3. Secure communication of position messages to Côte d'Ivoire

The FMC of the flag State shall automatically send the position messages of the vessels concerned to the Ivorian FMC using a secure electronic communication system.

The FMC of the flag State and the Ivorian FMC shall exchange their contact e-mail addresses and inform each other immediately of any change to those addresses.

The FMC of the Côte d'Ivoire shall inform the FMC of the flag State and the Union of any interruption in the receiving of consecutive position messages from a vessel holding a licence, where the vessel concerned has not notified its departure from the Ivorian fishing zone.

### 4. Malfunction of the communication system

Côte d'Ivoire shall ensure the compatibility of its electronic equipment with that of the FMC of the flag State and inform the Union immediately of any malfunction as regards the communication and receiving of position messages with a view to finding a technical solution as soon as possible. The Joint Committee shall deal with any disputes that may arise.

The master shall be considered responsible if a vessel's VMS is found to have been tampered with in order to disturb its operation or falsify its position messages. Any infringements shall be subject to the penalties provided for under Ivorian legislation.

#### 5. Revision of the frequency of position messages

On the basis of documentary evidence proving an infringement, Côte d'Ivoire may ask the FMC of the flag State, copying in the Union, to reduce the frequency with which position messages are sent from a vessel to once every thirty minutes for a set period of investigation. This documentary evidence must be sent without delay by Côte d'Ivoire to the FMC of the flag State and the Union. The FMC of the flag State shall immediately send the position messages to Côte d'Ivoire at the new frequency.

When the period of investigation ends, Côte d'Ivoire shall immediately inform the FMC of the flag State and the Union and subsequently inform them of any follow-up.

### CHAPTER VI

#### SIGNING-ON OF SEAMEN

1. Union vessel owners shall employ the nationals of African, Caribbean and Pacific States (ACP), subject to the following conditions and limits:
  - (a) for the fleet of tuna seiners, at least 20 % of the seamen signed on during the tuna-fishing season in the fishing zone of the third country shall be of ACP origin;
  - (b) for the fleet of surface longliners, at least 20 % of the seamen signed on during the fishing season in the fishing zone of the third country shall be of ACP origin.
2. Vessel owners shall endeavour to take on board Ivorian seamen first.
3. The International Labour Organisation (ILO) Declaration on Fundamental Principles and Rights at Work shall apply as of right to seamen signed on by Union vessels. This concerns in particular the freedom of association and the effective recognition of the right to collective bargaining, and the elimination of discrimination in respect of employment and occupation.
4. The employment contracts of ACP seamen shall be drawn up between the vessel owners' representative(s) and the seamen and/or their trade unions or representatives; a copy of those contracts shall be given to the signatories. The contracts shall guarantee the seamen the social security cover applicable to them, including life assurance and sickness and accident insurance.
5. The wages of the ACP seamen shall be paid by the vessel owners. They shall be set by mutual agreement between the vessel owners or their representatives and the seamen and/or their trade unions or representatives. However, the wages of ACP seamen may not be lower than those payable to crews from their respective countries and may under no circumstances be below ILO standards.
6. All seamen employed on board Union vessels shall report to the master of the vessel designated on the day before their proposed embarkation date. If a seaman fails to report at the agreed time of embarkation, vessel owners shall be automatically relieved of their obligation to take the seaman on board.
7. If the vessel does not arrive at the agreed time at a previously agreed port to take on an Ivorian seaman, the vessel owner shall reimburse the costs incurred by the seaman while waiting at the port (accommodation, food, etc.) at a flat rate of EUR 80 per day.
8. Where an Ivorian seaman is not disembarked at a Côte d'Ivoire port, the vessel owner shall bear the costs of repatriating the seaman to Côte d'Ivoire as soon as possible.
9. Vessel owners shall transmit on an annual basis information on seamen signed on. This information shall include the number of seamen who are nationals:
  - (a) of the Union;
  - (b) of an ACP country, distinguishing between Ivorians and other ACP nationalities;
  - (c) of a non-ACP and non-Union country.
10. The Côte d'Ivoire seamen to be taken on board are freely chosen by the vessel owner from a register kept by the Côte d'Ivoire Seafarers Directorate. The master shall, however, send a list of Côte d'Ivoire seamen already on board a Union vessel to the Seafarers Directorate along with a copy of their identity documents.

## CHAPTER VII

**OBSERVERS**

## 1. Observation of fishing activities

Pending the implementation of a system of regional observers, vessels authorised to fish in the Ivorian fishing zone under the Agreement shall take on board, instead of regional observers, observers designated by Côte d'Ivoire in accordance with the rules set out in this Chapter, to accomplish the tasks set out under point 4 of this Chapter.

## 2. Designated vessels and observers

Côte d'Ivoire shall draw up a list of vessels designated to take an observer on board and a list of the appointed observers. Those lists shall be kept up to date. They shall be forwarded to the Union as soon as they have been drawn up and every quarter thereafter where they have been updated.

Côte d'Ivoire shall inform the vessel owners concerned, or their representatives, of the name of the observer appointed to be taken on board their vessel at the time the licence is issued, or no later than 15 days before the observer's planned embarkation date.

The time spent on board by the observer shall be one fishing trip. However, at the express request of Côte d'Ivoire, this embarkation may be spread over several trips according to the average trip duration for a particular vessel. This request shall be made by Côte d'Ivoire when the name of the observer appointed to board the vessel in question is notified.

## 3. Boarding and landing conditions

The conditions under which the observer is taken on board shall be agreed between the vessel owner or his/her representative and Côte d'Ivoire.

The observer shall be taken on board at a port chosen by the vessel owner at the beginning of the first voyage in the Ivorian fishing zone after notification of the list of designated vessels.

Within two weeks and giving ten days' notice, the vessel owners concerned shall make known at which ports and on what dates they intend to take observers on board.

If an observer is taken on board in a country other than Côte d'Ivoire, his or her travel costs shall be borne by the vessel owner.

If the observer is not present at the time and place agreed and during the 12 hours following the time agreed, the vessel owner shall be automatically relieved of their obligation to take the observer on board.

The master shall do everything in his/her power to ensure the physical safety and welfare of the observer during the performance of his/her duties.

The observer shall be offered every facility needed to carry out their duties. The master shall give him/her access to the means of communication needed for the discharge of his/her duties, to documents directly concerned with the vessel's fishing activities, including in particular the logbook and the navigation log, and to those parts of the vessel necessary to facilitate the exercise of his/her tasks.

The vessel owner shall bear the cost of providing board and accommodation for observers in the same conditions as for officers, within the confines of the practical possibilities offered by the vessel.

The salary and social contributions of each observer shall be borne by Côte d'Ivoire.

## 4. Tasks of the observer

The observers shall be treated as officers when on board. When the vessel is operating in Ivorian waters, he or she shall carry out the following tasks:

- observe the fishing activities of the vessels;
- verify the position of vessels engaged in fishing operations;

- perform biological sampling in the context of scientific programmes;
- record the fishing gear used;
- verify the catch data for Ivorian waters recorded in the logbook;
- verify the percentages of by-catches and estimate the quantity of discards of species of marketable fish;
- report fishing data, including the quantity of catches and by-catches on board, to their competent authority by any appropriate means.

#### 5. Observer's obligations

While on board, the observer shall:

- take all appropriate steps to ensure that the conditions of his boarding and presence on board the vessel neither interrupt nor hamper fishing operations;
- respect the material and equipment on board and the confidentiality of all documents belonging to the vessel;
- at the end of the observation period and before leaving the vessel, the observer shall draw up an activity report to be transmitted to the competent authorities, with a copy sent to the Union. He/she shall sign it in the presence of the master, who may add or have added to it any observations considered relevant, followed by the master's signature. A copy of the report shall be handed to the master when the scientific observer is put ashore.

#### 6. Flat-rate financial contribution

At the time of payment of the annual advance to obtain the licence, the vessel owner shall pay an annual flat-rate financial contribution of EUR 400 per vessel to Côte d'Ivoire, to contribute to the costs of embarking Ivorian observers on Union vessels.

### CHAPTER VIII

#### INFRINGEMENTS

##### 1. Handling of infringements

Any infringement committed by a Union vessel holding a licence in accordance with the provisions of this Annex must be communicated by the Ivorian authorities to the Union within 24 hours. The statement relating to this infringement shall be sent to the Union and the flag State within seven working days.

##### 2. Diversion of a vessel – information meeting

Any Union vessel suspected of having committed an infringement may be forced to cease its fishing activity and, if necessary, where the vessel is at sea, to return to an Ivorian port.

Côte d'Ivoire shall notify the Union within a maximum of 24 hours of any diversion of a Union vessel holding a licence. That notification shall be accompanied by documentary evidence of the infringement.

Before taking any measures against the vessel, the master, the crew or the cargo, with the exception of measures taken to protect evidence, Côte d'Ivoire shall organise, at the request of the Union, within one working day of notification of the diversion of the vessel, an information meeting to clarify the facts which have led to the vessel being diverted and to explain what further action may be taken. A representative of the vessel's flag State may attend this information meeting.

##### 3. Penalties for infringements – compromise procedure

The penalty for the infringement found shall be set by Côte d'Ivoire according to the provisions of Ivorian legislation.

Where settling the infringement involves legal proceedings, before these are launched, and provided that the infringement does not involve a criminal act, a compromise procedure may be undertaken between Côte d'Ivoire and the vessel owner or his/her representative in order to determine the terms and level of the penalty. A representative of the flag State of the vessel and of the Union may participate in that compromise procedure. The compromise procedure shall finish at the latest three days after notification of the vessel's diversion.

#### 4. Legal proceedings — bank security

If the compromise procedure fails and the infringement is brought before the competent court, the owner of the vessel which committed the infringement shall deposit a bank security at a bank designated by Côte d'Ivoire, the amount of which, set by Côte d'Ivoire, covers the costs associated with the diversion and immobilisation of the vessel, the estimated fine and any compensation. The bank security may not be recovered until the legal proceedings have been concluded.

The bank security shall be released and returned to the vessel owner immediately after the judgment has been given:

- (a) in full, if no penalty has been imposed;
- (b) for the amount of the remaining balance, if the penalty is a fine which is lower than the amount of the bank security.

Côte d'Ivoire shall inform the Union of the outcome of the legal proceedings within seven working days of the judgment being given.

#### 5. Release of the vessel and the crew

The vessel and its crew shall be authorised to leave the port:

- (a) once the obligations arising under the amicable settlement have been fulfilled; or
- (b) once the bank security has been lodged.

#### Appendices

1. Licence application form
  2. Data sheet
-

## Appendix 1

## Licence application form

EUROPEAN UNION - CÔTE D'IVOIRE FISHERIES AGREEMENT  
FISHING LICENCE APPLICATION FORM

## I. APPLICANT

1. Name of vessel owner: ..... Nationality: .....
2. Name of vessel owner's association or representative: .....
3. Address of vessel owner's association or representative: .....  
.....
4. Tel.: .....
5. E-mail address: .....
6. Master's name: ..... Nationality: .....
7. Name of the consignee in Côte d'Ivoire: .....

## II. VESSEL AND IDENTIFICATION

1. Vessel name: .....
2. Flag State: .....
3. Previous flag, if any: .....
4. Date on which current flag was acquired: .....
5. External registration number: .....
6. Port of registry: ..... MMSI: .....
7. IMO number: ..... ICCAT number: .....
8. Year and place of construction: .....
9. Radio call sign: ..... Call frequency: .....
10. Hull construction material:            steel             wood             polyester             other

## III. TECHNICAL CHARACTERISTICS AND EQUIPMENT

1. Overall length: ..... Width: .....
  2. Tonnage (expressed in GT London): .....
  3. Power of main engine in kW: ..... Make: ..... Type: .....
  4. Type of vessel: ..... Fishing category: .....
  5. Fishing gear: .....
  6. Fishing zones: ..... Target species: .....
  7. Crew complement: .....
  8. Conservation method on board:    fresh             refrigeration             mixed             freezing
  9. Freezing capacity in tonnes/24 hours: .....
  10. Hold capacity: ..... Number: .....
- Done at ..... on .....
- Name of applicant: .....

## Appendix 2

## Data sheet

## FREEZER TUNA SEINERS AND SURFACE LONGLINERS

## 1. Fishing zone:

Beyond 12 nautical miles from the base line

## 2. Authorised gear:

Seine

Surface longliners

## 3. Prohibited species:

In accordance with the Convention on Migratory Species and with the ICCAT resolutions, fishing for basking shark (*Cetorhinus maximus*), great white shark (*Carcharodon carcharias*), bigeye thresher shark (*Alopias superciliosus*), hammerhead sharks in the *Sphyrnidae* family (with the exception of the bonnethead shark), oceanic whitetip shark (*Carcharhinus longimanus*), silky shark (*Carcharhinus falciformis*), sand tiger shark (*Carcharias taurus*) and tope shark (*Galeorhinus galeus*) is prohibited.

The two Parties shall consult within the Joint Committee to update this list on the basis of scientific recommendations.

## 4. Vessel owners' fees:

4.1. Additional fee per tonne caught	EUR 60 per tonne for the first two years of application of the Protocol and EUR 70 per tonne for the following years.
4.2. Annual flat-rate fee	For tuna seiners, EUR 7 620 for the first two years of application of the Protocol and EUR 8 890 for the following years. For surface longliners, EUR 2 400 for the first two years of application of the Protocol and EUR 2 800 for the following years.
4.3. Observer flat-rate fee	EUR 400 per vessel per year
4.4. Fee per support vessel	EUR 3 500 per vessel per year
5. Number of vessels authorised to fish	28 tuna seiners 8 surface longliners

# REGULATIONS

## COUNCIL REGULATION (EU) 2018/1070

of 26 July 2018

### amending Regulation (EU) 2017/1970 fixing for 2018 the fishing opportunities for certain fish stocks and groups of fish stocks applicable in the Baltic Sea

THE COUNCIL OF THE EUROPEAN UNION,

Having regard to the Treaty on the Functioning of the European Union, and in particular Article 43(3) thereof,

Having regard to the proposal from the European Commission,

Whereas:

- (1) Council Regulation (EU) 2017/1970 <sup>(1)</sup> establishes, among others, the fishing opportunities for herring in ICES Subdivisions 30-31 ('the Gulf of Bothnia herring stock') in accordance with Regulation (EU) 2016/1139 of the European Parliament and of the Council <sup>(2)</sup>.
- (2) Regulation (EU) 2016/1139 has been amended by Regulation (EU) 2018/976 of the European Parliament and of the Council <sup>(3)</sup> as regards the Gulf of Bothnia herring stock, taking into account the latest scientific information provided by ICES.
- (3) Following that amendment to Regulation (EU) 2016/1139, the fishing opportunities for the Gulf of Bothnia herring stock should be increased.
- (4) Regulation (EU) 2017/1970 should therefore be amended accordingly.
- (5) The main season for the herring fishery using trap nets starts in May. In order for Member States to allocate the fishing opportunities at national level as soon as possible, this Regulation should enter into force on the day following that of its publication,

HAS ADOPTED THIS REGULATION:

#### Article 1

In the Annex to Regulation (EU) 2017/1970, the entry for herring in ICES Subdivisions 30-31 is replaced by the following:

Species:	Herring <i>Clupea harengus</i>	Zone:	Subdivisions 30-31 (HER/30/31.)
Finland	78 351		
Sweden	17 215		
Union	95 566		
TAC	95 566		Analytical TAC

<sup>(1)</sup> Council Regulation (EU) 2017/1970 of 27 October 2017 fixing for 2018 the fishing opportunities for certain fish stocks and groups of fish stocks applicable in the Baltic Sea and amending Regulation (EU) 2017/127 (OJ L 281, 31.10.2017, p. 1).

<sup>(2)</sup> Regulation (EU) 2016/1139 of the European Parliament and of the Council of 6 July 2016 establishing a multiannual plan for the stocks of cod, herring and sprat in the Baltic Sea and the fisheries exploiting those stocks, amending Council Regulation (EC) No 2187/2005 and repealing Council Regulation (EC) No 1098/2007 (OJ L 191, 15.7.2016, p. 1).

<sup>(3)</sup> Regulation (EU) 2018/976 of the European Parliament and of the Council of 4 July 2018 amending Regulation (EU) 2016/1139 as regards fishing mortality ranges and safeguard levels for certain herring stocks in the Baltic Sea (OJ L 179, 16.7.2018, p. 76).

*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, 26 July 2018.

*For the Council*  
*The President*  
G. BLÜMEL

---

**COUNCIL IMPLEMENTING REGULATION (EU) 2018/1071****of 30 July 2018****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) 2018/468**

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 21 March 2018, the Council adopted Implementing Regulation (EU) 2018/468 <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 all the persons, groups and entities with statements of reasons explaining why they were entered into the list, where practically possible.
- (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 onto 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 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) 2018/468 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) 2018/468 of 21 March 2018 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) 2017/1420 (OJ L 79, 22.3.2018, p. 7).

<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) 2018/468 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, 30 July 2018.

*For the Council*

*The President*

G. BLÜMEL

---

## ANNEX

## LIST OF PERSONS, GROUPS AND ENTITIES REFERRED TO IN ARTICLE 1

## I. PERSONS

1. ABDOLLAHI Hamed (a.k.a. Mustafa Abdullahi), born 11.8.1960 in Iran. Passport number: 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 6.3.1955 or 15.3.1955 in Iran. Iranian and US national. Passport number: C2002515 (Iran); Passport number: 477845448 (USA). National ID no.: 07442833, expiry date 15.3.2016 (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), Lebanon, born in 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 number: 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 Shahlai, 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 11.3.1957 in Iran. Iranian national. Passport number: 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. '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').
  19. 'Sendero Luminoso' — 'SL' ('Shining Path').
  20. 'Teyrbazen Azadiya Kurdistan' — 'TAK' (a.k.a. 'Kurdistan Freedom Falcons', a.k.a. 'Kurdistan Freedom Hawks').
-

**COUNCIL IMPLEMENTING REGULATION (EU) 2018/1072****of 30 July 2018****implementing Regulation (EU) No 269/2014 concerning restrictive measures in respect of actions undermining or threatening the territorial integrity, sovereignty and independence of Ukraine**

THE COUNCIL OF THE EUROPEAN UNION,

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

Having regard to Council Regulation (EU) No 269/2014 of 17 March 2014 concerning restrictive measures in respect of actions undermining or threatening the territorial integrity, sovereignty and independence of Ukraine <sup>(1)</sup>, and in particular Article 14(1) thereof,

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

Whereas:

- (1) On 17 March 2014, the Council adopted Regulation (EU) No 269/2014.
- (2) As part of the Union's non-recognition policy of the illegal annexation of Crimea and Sevastopol, the Council regards the construction of the Kerch Bridge as a further action undermining the territorial integrity, sovereignty and independence of Ukraine.
- (3) The construction of this bridge and its official opening, on 15 May 2018, are key symbolic steps in consolidating the Russian Federation's control over the illegally annexed Crimea and Sevastopol and further isolating the peninsula from Ukraine.
- (4) In view of the above, additional entities should be added to the list of persons, entities and bodies subject to restrictive measures as set out in Annex I to Regulation (EU) No 269/2014.
- (5) Annex I to Regulation (EU) No 269/2014 should therefore be amended accordingly,

HAS ADOPTED THIS REGULATION:

*Article 1*

The entities listed in the Annex to this Regulation shall be added to the list of entities set out in Annex I to Regulation (EU) No 269/2014.

*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, 30 July 2018.

*For the Council*  
*The President*  
G. BLÜMEL

---

<sup>(1)</sup> OJ L 78, 17.3.2014, p. 6.

## ANNEX

List of entities referred to in Article 1:

	Name	Identifying information	Reasons	Date of Listing
'42.	АО "Institute Gipstroyomost — Saint-Petersburg" АО Институт Гипростроймост – Санкт-Петербург	Address: 7 Yablochkova street, St. Petersburg, 197198 Russia Website: <a href="http://gpsm.ru">http://gpsm.ru</a> Email: <a href="mailto:office@gpsm.ru">office@gpsm.ru</a>	АО "Institute Gipstroyomost — Saint-Petersburg" participated in the construction of the Kerch Bridge through its design of the Bridge, connecting Russia to the illegally annexed Crimean peninsula. Therefore it is supporting the consolidation of the illegally annexed Crimean peninsula into the Russian Federation, which in turn further undermines the territorial integrity, sovereignty and independence of Ukraine.	31.7.2018
43.	PJSC Mostotrest ПАО Мостотрест	Address: 6 Barklaya street, Bld. 5 Moscow, 121087 Russia	PJSC Mostotrest actively participated in the construction of the Kerch Bridge through its state contract for the maintenance of the bridge, connecting Russia to the illegally annexed Crimean peninsula. Furthermore it is owned by an individual (Arkady Rotenberg) that is already designated for his actions undermining Ukrainian sovereignty (person No 92 in this Annex). Therefore the company is supporting the consolidation of the illegally annexed Crimean peninsula into the Russian Federation, which in turn further undermines the territorial integrity, sovereignty and independence of Ukraine.	31.7.2018
44.	JSC Zaliv Shipyard Судостроительный завод "Залив"	Address: 4 Tankistov street, 298310 Kerch, Crimea Website: <a href="http://zalivkerch.com">http://zalivkerch.com</a>	JSC Zaliv Shipyard actively participated in the construction of new railway to the Kerch Bridge, connecting Russia to the illegally annexed Crimean peninsula. Therefore it is supporting the consolidation of the illegally annexed Crimean peninsula into the Russian Federation, which in turn further undermines the territorial integrity, sovereignty and independence of Ukraine.	31.7.2018
45.	Stroygazmontazh Corporation (SGM Group) ООО Стройгазмонтаж (груп СГМ)	Address: Prospect Vernadskogo 53 Moscow, 119415 Russia Website: <a href="http://www.oosgm.com">www.oosgm.com</a>	Stroygazmontazh Corporation (SGM Group) actively participated in the construction of the Kerch Bridge through its state contract for the construction of the bridge connecting Russia to the illegally annexed Crimean peninsula.  Furthermore it is owned by an individual (Arkady Rotenberg) that is already designated for his actions undermining Ukrainian sovereignty (person No 92 in this Annex). Therefore the company is supporting the consolidation of the illegally annexed Crimean peninsula into the Russian Federation, which in turn further undermines the territorial integrity, sovereignty and independence of Ukraine.	31.7.2018

	Name	Identifying information	Reasons	Date of Listing
46.	Stroygazmontazh Most OOO OOO Стройгазмонтаж-Мост	Address: Barklaya street 6, building 7 Moscow, 121087 Russia Registration ID: 1157746088170 Tax ID No: 7730018980 Website: <a href="http://kerch-most.ru/tag/sgam-most">http://kerch-most.ru/tag/sgam-most</a> Email: <a href="mailto:kerch-most@yandex.ru">kerch-most@yandex.ru</a>	Stroygazmontazh Most OOO is a subsidiary of lead contractor Stroygazmontazh that manages the construction project of the bridge over the Kerch Strait. Furthermore it is owned by an individual (Arkady Rotenberg) that is already designated for his actions undermining Ukrainian sovereignty (person No 92 in this Annex). Therefore the company is supporting the consolidation of the illegally annexed Crimean peninsula into the Russian Federation, which in turn further undermines the territorial integrity, sovereignty and independence of Ukraine.	31.7.2018
47.	CJSC VAD AKTSIONERNOE OBSHCHESTVO VAD АО «ВАД»	Address: 133 Chernyshevskogo street, Vologda, Vologodskaya Oblast, 160019 Russia 122, Grazhdanskiy Prospect, suite 5, Liter A, St. Petersburg, 195267 Russia Registration ID: 1037804006811 (Russia) Tax ID No: 7802059185 Website: <a href="http://www.zaovad.com">www.zaovad.com</a> Email: <a href="mailto:office@zaovad.com">office@zaovad.com</a>	CJSC VAD is the main contractor for the construction of the Tavrida Highway in Crimea, the road over the Kerch Bridge and the access roads to it. Tavrida Highway will provide transportation access to Crimea through a system of newly constructed roadways that serve as a primary connection to the Kerch Bridge. Therefore CJSC VAD is supporting the consolidation of the illegally annexed Crimean peninsula into the Russian Federation, which in turn further undermines the territorial integrity, sovereignty and independence of Ukraine.	31.7.2018'

**COUNCIL IMPLEMENTING REGULATION (EU) 2018/1073****of 30 July 2018****implementing Article 21(2) of 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,

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>(1)</sup>, and in particular Article 21(2) thereof,

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

Whereas:

- (1) On 18 January 2016, the Council adopted Regulation (EU) 2016/44.
- (2) In accordance with Article 21(6) of Regulation (EU) 2016/44, the Council has reviewed the list of designated persons and entities set out in Annex III to that Regulation.
- (3) The Council concluded that one person should no longer be kept on the list of persons and entities set out in Annex III to Regulation (EU) 2016/44.
- (4) Annex III to Regulation (EU) 2016/44 should therefore be amended accordingly,

HAS ADOPTED THIS REGULATION:

*Article 1*

Annex III to Regulation (EU) 2016/44 shall be amended as set out in the Annex to this Regulation.

*Article 2*

This Regulation shall enter into force on the day following 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, 30 July 2018.

*For the Council*

*The President*

G. BLÜMEL

---

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

## ANNEX

In Regulation (EU) 2016/44, Annex III ('List of natural and legal persons, entities or bodies referred to in Article 6(2)'), Part A (Persons) entry No 3 (concerning ASHKAL, Omar) is deleted and the remaining entries are renumbered accordingly.

---

**COUNCIL IMPLEMENTING REGULATION (EU) 2018/1074****of 30 July 2018****implementing Regulation (EU) 2017/1509 concerning restrictive measures against the Democratic People's Republic of Korea**

THE COUNCIL OF THE EUROPEAN UNION,

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

Having regard to Council Regulation (EU) 2017/1509 of 30 August 2017 concerning restrictive measures against the Democratic People's Republic of Korea and repealing Regulation (EC) No 329/2007 <sup>(1)</sup>, and in particular Article 47(2) thereof,

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

Whereas:

- (1) On 30 August 2017, the Council adopted Regulation (EU) 2017/1509.
- (2) In accordance with Article 47a(1) of Regulation (EU) 2017/1509, the Council has reviewed the list of designated persons and entities set out in Annexes XV, XVI, XVII and XVIII to that Regulation.
- (3) The Council concluded that certain entries concerning the persons and entities included in Annexes XV and XVI to Regulation (EU) 2017/1509 should be updated.
- (4) Annexes XV and XVI to Regulation (EU) 2017/1509 should therefore be amended accordingly,

HAS ADOPTED THIS REGULATION:

*Article 1*

Annexes XV and XVI to Regulation (EU) 2017/1509 are 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, 30 July 2018.

*For the Council*  
*The President*  
G. BLÜMEL

---

<sup>(1)</sup> OJ L 224, 31.8.2017, p. 1.

## ANNEX

1. Annex XV to Regulation (EU) 2017/1509, under the heading '(a) Natural persons designated in accordance with point (a) of Article 34(4)', is amended as follows:

(a) the existing entries are renumbered 1-30;

(b) the following entries are replaced as follows:

	Name (and possible aliases)	Identifying information	Date of designation	Reasons
'3.	HYON Chol-hae (alias HYON Chol Hae)	DOB:1934 POB: Manchuria, China	22.12.2009	Korean People's Army Marshal since April 2016. Former Deputy Director of the General Political Department of the Korean People's Army (military adviser to late Kim Jong-Il). Elected Workers' Party of Korea Central Committee member in May 2016 at 7th Congress of Workers' Party of Korea where WPK adopted a decision to continue the DPRK's nuclear programme.
6.	PAK Jae-gyong (alias Chae-Kyong; PAK Jae Gyong)	DOB: 1933 Passport number: 554410661	22.12.2009	Former Deputy Director of the General Political Department of the People's Armed Forces and former Deputy Director of the Logistics Bureau of the People's Armed Forces (military adviser to late Kim Jong-Il). Present at KIM Jong Un's inspection of Strategic Rocket Force Command. Member of the Central Committee of the Workers' Party of Korea.
16.	KIM Jong-gak (alias KIM Jong Gak)	DOB: 20.7.1941 POB: Pyongyang, DPRK	20.5.2016	Former Director of the General Political Department of the Korean's People's Army. Vice Marshal in the Korean People's Army, rector of the Military University of Kim Il-Sung, former member of the Central Military Commission of the Workers' Party of Korea, which is a key body for national defence matters in the DPRK. As such, responsible for supporting or promoting the DPRK's nuclear-related, ballistic-missile-related or other weapons of mass destruction-related programmes.
18.	KIM Won-hong (alias KIM Won Hong)	DOB: 7.1.1945 POB: Pyongyang, DPRK Passport no: 745310010	20.5.2016	General. First Deputy Director of the General Political Department of the Korean People's Army. Former Director of the State Security Department. Former Minister of State Security. Member of the Central Military Commission of the Workers' Party of Korea and National Defence Commission which was a key body for national defence matters in the DPRK before it was reformed into the State Affairs Commission (SAC), which are the key bodies for national defence matters in the DPRK. As such, responsible for supporting or promoting the DPRK's nuclear-related, ballistic-missile-related or other weapons of mass destruction-related programmes.

	Name (and possible aliases)	Identifying information	Date of designation	Reasons
21.	SON Chol-ju (alias SON Chol Ju)		20.5.2016	Colonel General of the Korean People's Army. Deputy Director responsible for organisation of the Korea People's Army and former Political Director of the Air and Anti-Air forces, which oversees the development of modernised anti-aircraft rockets. As such, responsible for supporting or promoting the DPRK's nuclear-related, ballistic-missile-related or other weapons of mass destruction-related programmes.'

2. In Annex XV to Regulation (EU) 2017/1509, under the heading '(b) Legal persons, entities and bodies designated in accordance with point (a) of Article 34(4)', the existing entries are renumbered 1-5.

3. Annex XV to Regulation (EU) 2017/1509, under the heading '(c) Natural persons designated in accordance with point (b) of Article 34(4)', is amended as follows:

(a) the following entries are replaced as follows:

	Name (and possible aliases)	Identifying information	Date of designation	Reasons
'10.	DJANG Tcheul Hy (JANG Tcheul-hy, JANG Cheul-hy, JANG Chol-hy, DJANG Cheul-hy, DJANG Chol-hy, DJANG Tchoul-hy, KIM Tcheul-hy)	DOB: 11.5.1950 POB: Kangwon	20.4.2018	DJANG Tcheul Hy has been involved together with her husband KIM Yong Nam, her son KIM Su Gwang and her daughter-in-law KIM Kyong Hui in a pattern of deceptive financial practices which could contribute to the DPRK's nuclear-related, ballistic-missile-related or other weapons of mass destruction-related programmes. She was the owner of several bank accounts in the Union which were opened by her son KIM Su Gwang in her name. She was also involved in several bank transfers from accounts from her daughter-in-law KIM Kyong Hui to bank accounts outside the Union.
11.	KIM Su Gwang (KIM Sou-Kwang, KIM Sou-Gwang, KIM Son-Kwang, KIM Su-Kwang, KIM Soukwang, KIM Su-gwang, KIM Son-gwang)	DOB: 18.8.1976 POB: Pyongyang, DPRK	20.4.2018	KIM Su Gwang has been identified by the Panel of Experts as an agent of the Reconnaissance General Bureau, an entity which has been designated by the United Nations. He and his father KIM Yong Nam have been identified by the Panel of Experts as engaging in a pattern of deceptive financial practices which could contribute to the DPRK's nuclear-related, ballistic-missile-related or other weapons of mass destruction-related programmes. KIM Su Gwang has opened multiple bank accounts in several Member States, including under family members' names. He has been involved in various large bank transfers to bank accounts in the Union or to accounts outside the Union while working as a diplomat, including to accounts in the name of his spouse KIM Kyong Hui.'

(b) the entries are renumbered 1-6.

4. In Annex XVI to Regulation (EU) 2017/1509, under the heading 'List of persons, entities or bodies referred to in Article 34(1) and 34(3)', subheading '(a) Natural persons', the following entry is replaced as follows:

	Name (and possible aliases)	Identifying information	Date of designation	Reasons
'4.	JON Chol Young  a.k.a: JON Chol Yong	Passport number: 563410192  Diplomat DPRK Embassy, Angola  Date of birth: 30.4.1975	22.1.2018	Representative in Angola of Green Pine Associated Corporation and DPRK diplomat accredited to Angola.  Green Pine has been designated by the UN for activities including violating the UN arms embargo. Green Pine has also negotiated contracts for the refurbishment of Angolan naval vessels in violation of the prohibitions imposed by United Nations Security Council Resolutions.'

## COMMISSION IMPLEMENTING REGULATION (EU) 2018/1075

of 27 July 2018

**renewing the approval of the active substance *Ampelomyces quisqualis* strain AQ10, as a low-risk active substance, in accordance with Regulation (EC) No 1107/2009 of the European Parliament and of the Council concerning the placing of plant protection products on the market, and amending the Annex to Commission Implementing Regulation (EU) No 540/2011**

(Text with EEA relevance)

THE EUROPEAN COMMISSION,

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

Having regard to Regulation (EC) No 1107/2009 of the European Parliament and of the Council of 21 October 2009 concerning the placing of plant protection products on the market and repealing Council Directives 79/117/EEC and 91/414/EEC <sup>(1)</sup>, and in particular Article 22(1) in conjunction with Article 20(1) thereof,

Whereas:

- (1) Commission Directive 2005/2/EC <sup>(2)</sup> included *Ampelomyces quisqualis* strain AQ10 as an active substance in Annex I to Council Directive 91/414/EEC <sup>(3)</sup>.
- (2) Active substances included in Annex I to Directive 91/414/EEC are deemed to have been approved under Regulation (EC) No 1107/2009 and are listed in Part A of the Annex to Commission Implementing Regulation (EU) No 540/2011 <sup>(4)</sup>.
- (3) The approval of the active substance *Ampelomyces quisqualis* strain AQ10, as set out in Part A of the Annex to Implementing Regulation (EU) No 540/2011, expires on 31 July 2018.
- (4) An application for the renewal of the approval of *Ampelomyces quisqualis* strain AQ10 was submitted in accordance with Article 1 of Commission Implementing Regulation (EU) No 844/2012 <sup>(5)</sup> within the time period provided for in that Article.
- (5) The applicant submitted the supplementary dossiers required in accordance with Article 6 of Implementing Regulation (EU) No 844/2012. The application was found to be complete by the rapporteur Member State.
- (6) The rapporteur Member State prepared a renewal assessment report in consultation with the co-rapporteur Member State and submitted it to the European Food Safety Authority ('the Authority') and the Commission on the 25 November 2016.
- (7) The Authority communicated the renewal assessment report to the applicant and to the Member States for comments and forwarded the comments received to the Commission. The Authority also made the supplementary summary dossier available to the public.
- (8) On the 20 November 2017 the Authority communicated to the Commission its conclusion <sup>(6)</sup> on whether *Ampelomyces quisqualis* strain AQ10 can be expected to meet the approval criteria provided for in Article 4 of Regulation (EC) No 1107/2009. The Commission presented the draft renewal report for *Ampelomyces quisqualis* strain AQ10 to the Standing Committee on Plants, Animals, Food and Feed on 23 March 2018.
- (9) The applicant was given the possibility to submit comments on the renewal report.
- (10) It has been established with respect to one or more representative uses of at least one plant protection product containing *Ampelomyces quisqualis* strain AQ10 that the approval criteria provided for in Article 4 of Regulation (EC) No 1107/2009 are satisfied.

<sup>(1)</sup> OJ L 309, 24.11.2009, p. 1.

<sup>(2)</sup> Commission Directive 2005/2/EC of 19 January 2005 amending Council Directive 91/414/EEC to include *Ampelomyces quisqualis* and *Gliocladium catenulatum* as active substances. (OJ L 20, 22.1.2005, p. 15).

<sup>(3)</sup> Council Directive 91/414/EEC of 15 July 1991 concerning the placing of plant protection products on the market (OJ L 230, 19.8.1991, p. 1).

<sup>(4)</sup> Commission Implementing Regulation (EU) No 540/2011 of 25 May 2011 implementing Regulation (EC) No 1107/2009 of the European Parliament and of the Council as regards the list of approved active substances (OJ L 153, 11.6.2011, p. 1).

<sup>(5)</sup> Commission Implementing Regulation (EU) No 844/2012 of 18 September 2012 setting out the provisions necessary for the implementation of the renewal procedure for active substances, as provided for in Regulation (EC) No 1107/2009 of the European Parliament and of the Council concerning the placing of plant protection products on the market (OJ L 252, 19.9.2012, p. 26).

<sup>(6)</sup> EFSA Journal 2017;15(11):5078, 24 pp. doi:10.2903/j.efsa.2017.5078 Available online: [www.efsa.europa.eu](http://www.efsa.europa.eu).

- (11) The risk assessment for the renewal of the approval of *Ampelomyces quisqualis* strain AQ10 is based on a limited number of representative uses, which however do not restrict the uses for which plant protection products containing *Ampelomyces quisqualis* strain AQ10 may be authorised. It is therefore appropriate not to maintain the restriction for use only as a fungicide.
- (12) The Commission further considers that *Ampelomyces quisqualis* strain AQ10 is a low-risk active substance pursuant to Article 22 of Regulation (EC) No 1107/2009. *Ampelomyces quisqualis* strain AQ10 fulfils the conditions set in point 5 of Annex II to Regulation (EC) No 1107/2009. *Ampelomyces quisqualis* strain AQ10 is a strain of a micro-organism which, taking into account the intended uses, is expected to pose a low risk to humans, animals and the environment. Furthermore, *Ampelomyces quisqualis* strain AQ10 is a strain of a micro-organism (fungus) which is not pathogenic to humans, nor related to any known human, animal or plant pathogen, and for which no multiple resistance to antimicrobials used in human or veterinary medicine is known.
- (13) It is therefore appropriate to renew the approval of *Ampelomyces quisqualis* strain AQ10 as a low-risk substance.
- (14) In accordance with Article 14(1) of Regulation (EC) No 1107/2009 in conjunction with Article 6 thereof and in the light of current scientific and technical knowledge, it is, however, necessary to include certain conditions.
- (15) In accordance with Article 20(3) of Regulation (EC) No 1107/2009, in conjunction with Article 13(4) thereof, the Annex to Implementing Regulation (EU) No 540/2011 should be amended accordingly.
- (16) Commission Implementing Regulation (EU) No 841/2017<sup>(1)</sup> extended the expiry date of the approval of *Ampelomyces quisqualis* strain AQ10 to 31 July 2018 in order to allow the renewal process to be completed before the expiry of the approval of that substance. Taking into account that the approval of the active substance expires on 31 July 2018, this Regulation should apply from 1 August 2018.
- (17) The measures provided for in this Regulation are in accordance with the opinion of the Standing Committee on Plants, Animals, Food and Feed,

HAS ADOPTED THIS REGULATION:

#### Article 1

### Renewal of the approval of active substance

The approval of the active substance *Ampelomyces quisqualis* strain AQ10, as set out in Annex I, is renewed subject to the conditions laid down in that Annex.

#### Article 2

### Amendments to Implementing Regulation (EU) No 540/2011

The Annex to Implementing Regulation (EU) No 540/2011 is amended in accordance with Annex II to this Regulation.

#### Article 3

### Entry into force and date of application

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 1 August 2018.

<sup>(1)</sup> Commission Implementing Regulation (EU) 2017/841 of 17 May 2017 amending Implementing Regulation (EU) No 540/2011 as regards the extension of the approval periods of the active substances alpha-cypermethrin, *Ampelomyces quisqualis* strain: aq 10, benalaxyl, bentazone, bifenazate, bromoxynil, carfentrazone ethyl, chlorpropham, cyazofamid, desmedipham, diquat, DPX KE 459 (flupyrsulfuron-methyl), etoxazole, famoxadone, fenamidone, flumioxazine, foramsulfuron, *Gliocladium catenulatum* strain: j1446, imazamox, imazosulfuron, isoxaflutole, laminarin, metalaxyl-m, methoxyfenozide, milbemectin, oxasulfuron, pendimethalin, phenmedipham, pymetrozine, s-metolachlor, and trifloxystrobin (OJ L 125, 18.5.2017, p. 12).

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

Done at Brussels, 27 July 2018.

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

---

## ANNEX I

Common Name, Identification Numbers	IUPAC Name	Purity <sup>(1)</sup>	Date of approval	Expiration of approval	Specific provisions
<i>Ampelomyces quisqualis</i> strain AQ10	Not applicable	Minimum content of viable spores: $3,0 \times 10^{12}$ CFU/kg	1 August 2018	1 August 2033	<p>For the implementation of the uniform principles, as referred to in Article 29(6) of Regulation (EC) No 1107/2009, the conclusions of the renewal report on <i>Ampelomyces quisqualis</i> strain AQ10, and in particular Appendices I and II thereof, shall be taken into account.</p> <p>In this overall assessment Member States shall pay particular attention to the protection of operators and workers, taking into account that micro-organisms are <i>per se</i> considered as potential sensitizers and ensuring that adequate personal protective equipment is included as a condition of use.</p> <p>Strict maintenance of environmental conditions and quality control analysis during the manufacturing process shall be assured by the producer.</p> <p>Conditions of use shall include risk mitigation measures, where appropriate.</p>

<sup>(1)</sup> Further details on identity and specification of active substance are provided in the review report.

## ANNEX II

The Annex to Implementing Regulation (EU) No 540/2011 is amended as follows:

- (1) in Part A, the entry on *Ampelomyces quisqualis* strain AQ10 is deleted;  
 (2) in Part D, the following entry is added:

Number	Common Name, Identification Numbers	IUPAC Name	Purity <sup>(1)</sup>	Date of approval	Expiration of approval	Specific provisions
'14	<i>Ampelomyces quisqualis</i> strain AQ10	Not applicable	Minimum content of viable spores: 3,0 × 10 <sup>12</sup> CFU/kg	1 August 2018	1 August 2033	<p>For the implementation of the uniform principles, as referred to in Article 29(6) of Regulation (EC) No 1107/2009, the conclusions of the renewal report on <i>Ampelomyces quisqualis</i> strain AQ10, and in particular Appendices I and II thereof, shall be taken into account.</p> <p>In this overall assessment Member States shall pay particular attention to the protection of operators and workers, taking into account that microorganisms are <i>per se</i> considered as potential sensitizers and ensuring that adequate personal protective equipment is included as a condition of use.</p> <p>Strict maintenance of environmental conditions and quality control analysis during the manufacturing process shall be assured by the producer.</p> <p>Conditions of use shall include risk mitigation measures, where appropriate.'</p>

<sup>(1)</sup> Further details on identity and specification of active substance are provided in the review report.

**COMMISSION IMPLEMENTING REGULATION (EU) 2018/1076**  
**of 30 July 2018**  
**amending Regulation (EU) No 37/2010 to classify the substance isoflurane as regards its maximum residue limit**

(Text with EEA relevance)

THE EUROPEAN COMMISSION,

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

Having regard to Regulation (EC) No 470/2009 of the European Parliament and of the Council of 6 May 2009 laying down Community procedures for the establishment of residue limits of pharmacologically active substances in foodstuffs of animal origin, repealing Council Regulation (EEC) No 2377/90 and amending Directive 2001/82/EC of the European Parliament and of the Council and Regulation (EC) No 726/2004 of the European Parliament and the Council <sup>(1)</sup>, and in particular Article 14 in conjunction with Article 17 thereof,

Having regard to the opinion of the European Medicines Agency formulated by the Committee for Medicinal Products for Veterinary Use,

Whereas:

- (1) Article 17 of Regulation (EC) No 470/2009 requires that the maximum residue limit ('MRL') for pharmacologically active substances intended for use in the Union in veterinary medicinal products for food-producing animals or in biocidal products used in animal husbandry is established in a Regulation.
- (2) Table 1 of the Annex to Commission Regulation (EU) No 37/2010 <sup>(2)</sup> sets out the pharmacologically active substances and their classification regarding MRLs in foodstuffs of animal origin.
- (3) Isoflurane is already included in that table as an allowed substance for equidae, for anaesthetic use only. The existing entry has a 'no MRL required' classification.
- (4) An application for the extension of the existing entry for isoflurane to porcine species has been submitted to the European Medicines Agency ('EMA').
- (5) EMA, based on the opinion of the Committee for Medicinal Products for Veterinary Use, has recommended the establishment of an MRL for isoflurane in porcine species.
- (6) According to Article 5 of Regulation (EC) No 470/2009, EMA is to consider using MRLs established for a pharmacologically active substance in a particular foodstuff for another foodstuff derived from the same species, or MRLs established for a pharmacologically active substance in one or more species for other species.
- (7) EMA has considered that the extrapolation of the entry for isoflurane to other age groups and species cannot be reliably assessed at this time due to insufficient data.
- (8) Regulation (EU) No 37/2010 should therefore be amended accordingly.
- (9) It is appropriate to grant the stakeholders concerned a reasonable period of time to take measures that may be required to comply with the new MRL.
- (10) The measures provided for in this Regulation are in accordance with the opinion of the Standing Committee on Veterinary Medicinal Products,

HAS ADOPTED THIS REGULATION:

*Article 1*

The Annex to Regulation (EU) No 37/2010 is amended as set out in the Annex to this Regulation.

<sup>(1)</sup> OJ L 152, 16.6.2009, p. 11.

<sup>(2)</sup> Commission Regulation (EU) No 37/2010 of 22 December 2009 on pharmacologically active substances and their classification regarding maximum residue limits in foodstuffs of animal origin (OJ L 15, 20.1.2010, p. 1).

*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 29 September 2018.

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

Done at Brussels, 30 July 2018.

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

---

## ANNEX

In Table 1 of the Annex to Regulation (EU) No 37/2010, the entry for the substance 'isoflurane' is replaced by the following:

Pharmacologically active Substance	Marker residue	Animal Species	MRLs	Target Tissues	Other Provisions (according to Article 14(7) of Regulation (EC) No 470/2009)	Therapeutic Classification
'Isoflurane	NOT APPLICABLE	<i>Equidae</i>	No MRL required	NOT APPLICABLE	For use by inhalation	General anaesthetics'
		Porcine	No MRL required	NOT APPLICABLE	For use by inhalation in piglets up to 7 days of age	

**COMMISSION IMPLEMENTING REGULATION (EU) 2018/1077****of 30 July 2018****amending Implementing Regulation (EU) No 808/2014 laying down rules for the application of Regulation (EU) No 1305/2013 of the European Parliament and of the Council on support for rural development by the European Agricultural Fund for Rural Development (EAFRD)**

THE EUROPEAN COMMISSION,

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

Having regard to Regulation (EU) No 1305/2013 of the European Parliament and of the Council of 17 December 2013 on support for rural development by the European Agricultural Fund for Rural Development (EAFRD) and repealing Council Regulation (EC) No 1698/2005 <sup>(1)</sup>, and in particular Article 8(3) thereof,

Whereas:

- (1) Commission Implementing Regulation (EU) No 808/2014 <sup>(2)</sup> has laid down rules for the application of Regulation (EU) No 1305/2013. Regulation (EU) 2017/2393 of the European Parliament and of the Council <sup>(3)</sup> has amended Regulation (EU) No 1305/2013 by simplifying the general rules governing the European Agricultural Fund for Rural Development (EAFRD). Therefore, the rules for the implementation of Regulation (EU) No 1305/2013 should be amended accordingly.
- (2) The obligation to select bodies to provide advice through a specific call for tenders procedure was abolished. Therefore, implementing rules referring to the calls for tenders should be deleted.
- (3) Rules for joint setting up of young farmers have been introduced in Article 2(1)(n) of Regulation (EU) No 1305/2013 and a definition of the 'date of setting up' has been added in Article 2(1)(s) of that Regulation. Therefore, provisions referring to the young farmer set out in paragraph 8 of Part 1 of Annex I to Implementing Regulation (EU) No 808/2014 should be aligned. Moreover, following the deletion of Article 57 of Commission Implementing Regulation (EU) No 809/2014 <sup>(4)</sup> containing rules on Farm and business development, the rules for business plan laid down in Implementing Regulation (EU) No 808/2014 should also be simplified.
- (4) The rules on financial instruments have been simplified. Notably, a derogation from the applicability of selection criteria for operations supported through financial instruments has been introduced in Article 49(4) of Regulation (EU) No 1305/2013. Paragraph 8 of Part 1 of Annex I to Implementing Regulation (EU) No 808/2014 should be aligned with this derogation.
- (5) In order to avoid unnecessary administrative burden and in particular frequent modifications of the financing plans, it is necessary to clarify that the capping related to the overrun of the planned EAFRD contributions as presented in the financial plan of each programme is calculated at the level of the total amount of each measure.
- (6) Article 39a of Regulation (EU) No 1305/2013 provides for support to farmers through a sector specific income stabilisation tool and Article 37 of that Regulation allows for support to agricultural insurance schemes covering production losses exceeding 20 % of an annual average caused by adverse climatic events, animal or plant diseases, pest infestation, or an environmental incident. In accordance with Article 8(1)(h) of Regulation (EU) No 1305/2013, the financing plan should indicate the planned EAFRD support and the contribution rate.

<sup>(1)</sup> OJ L 347, 20.12.2013, p. 487.

<sup>(2)</sup> Commission Implementing Regulation (EU) No 808/2014 of 17 July 2014 laying down rules for the application of Regulation (EU) No 1305/2013 of the European Parliament and of the Council on support for rural development by the European Agricultural Fund for Rural Development (EAFRD) (OJ L 227, 31.7.2014, p. 18).

<sup>(3)</sup> Regulation (EU) 2017/2393 of the European Parliament and of the Council of 13 December 2017 amending Regulations (EU) No 1305/2013 on support for rural development by the European Agricultural Fund for Rural Development (EAFRD), (EU) No 1306/2013 on the financing, management and monitoring of the common agricultural policy, (EU) No 1307/2013 establishing rules for direct payments to farmers under support schemes within the framework of the common agricultural policy, (EU) No 1308/2013 establishing a common organisation of the markets in agricultural products and (EU) No 652/2014 laying down provisions for the management of expenditure relating to the food chain, animal health and animal welfare, and relating to plant health and plant reproductive material (OJ L 350, 29.12.2017, p. 15).

<sup>(4)</sup> Commission Implementing Regulation (EU) No 809/2014 of 17 July 2014 laying down rules for the application of Regulation (EU) No 1306/2013 of the European Parliament and of the Council with regard to the integrated administration and control system, rural development measures and cross compliance (OJ L 227, 31.7.2014, p. 69).

- (7) Implementing Regulation (EU) No 808/2014 should therefore be amended accordingly.
- (8) The measures provided for in this Regulation are in accordance with the opinion of the Rural Development Committee,

HAS ADOPTED THIS REGULATION:

*Article 1*

Implementing Regulation (EU) No 808/2014 is amended as follows:

- (1) Article 7 is deleted;
- (2) in Article 8, paragraph 1 is deleted;
- (3) Part 1 of Annex I is amended as follows:
- (a) paragraph 8 'Description of the measures selected' is amended as follows:
- (i) in point (2), point (c) is replaced by the following:
- '(c) scope, level of support, eligible beneficiaries, and where relevant, methodology for calculation of the amount or support rate broken down by sub-measure and/or type of operation where necessary. For each type of operation specification of eligible costs, eligibility conditions, applicable amounts and support rates and principles with regard to the setting of selection criteria. Where support is provided to a financial instrument implemented under points (a) and (b) of the first subparagraph of Article 38(4) of Regulation (EU) No 1303/2013, description of the type of financial instrument, general categories of final recipients, general categories of eligible costs and maximum level of support.';
- (ii) in point (2)(e), point 5 is replaced by the following:
- '5. *Farm and business development (Article 19 of Regulation (EU) No 1305/2013)*
- definition of small farm referred to in Article 19(1)(a)(iii) of Regulation (EU) No 1305/2013;
  - definition of the actions referred to in point (s) of Article 2(1) of Regulation (EU) No 1305/2013 ("date of setting up");
  - definition of upper and lower thresholds as referred to in the fifth subparagraph of Article 19(4) of Regulation (EU) No 1305/2013;
  - specific conditions for support for young farmers where they are not setting up as a sole head of the holding in accordance with Article 2(1) and (2) of Delegated Regulation (EU) No 807/2014;
  - information on the application of the grace period referred to in Article 2(3) of Delegated Regulation (EU) No 807/2014;
  - summary of the requirements of the business plan;
  - use of the possibility to combine different measures through the business plan giving access of the young farmer to those measures;
  - domains of diversification covered.';
- (iii) in point (2)(e), the title of point 16 is replaced by the following:
- '16. *Risk management (Articles 36 to 39a of Regulation (EU) No 1305/2013);*
- (b) paragraph 10(c) is amended as follows:
- (i) in the first subparagraph, the following point (v) is added:
- '(v) for the operations implemented in accordance with Article 37 of Regulation (EU) No 1305/2013 where the minimum loss threshold is set to 20 % and for operations implemented in accordance with 39a of Regulation (EU) No 1305/2013 the indicative total Union contribution and the indicative contribution rate.';

(ii) the following subparagraph is added:

‘For the purpose of interim payments referred to in Article 36 of Regulation (EU) No 1306/2013, the payment of the balance referred to in Article 37, and the clearance of accounts referred to in Article 51 of that Regulation, the EAFRD contribution to be paid in respect of the eligible public expenditure of the programme concerned shall be respected at the measure level.’

*Article 2*

This Regulation shall enter into force on the third 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, 30 July 2018.

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

---

**COMMISSION IMPLEMENTING REGULATION (EU) 2018/1078****of 30 July 2018****laying down technical information for the calculation of technical provisions and basic own funds for reporting with reference dates from 30 June 2018 until 29 September 2018 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 5 July 2018, the European Insurance and Occupational Pensions Authority provided the Commission with the technical information related to end of June 2018 market data. That information was published on 5 July 2018 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 2018 until 29 September 2018.
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.

<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).

*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 2018.

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

Done at Brussels, 30 July 2018.

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

---

## ANNEX I

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

Term to maturity (in years)	Euro	Czech koruna	Danish krone	Forint	Krona	Kuna
1	- 0,353 %	1,300 %	- 0,363 %	0,693 %	- 0,425 %	- 0,028 %
2	- 0,275 %	1,532 %	- 0,285 %	1,538 %	- 0,260 %	0,330 %
3	- 0,136 %	1,665 %	- 0,146 %	1,862 %	- 0,065 %	0,668 %
4	0,016 %	1,754 %	0,006 %	2,150 %	0,126 %	0,967 %
5	0,165 %	1,816 %	0,154 %	2,568 %	0,314 %	1,256 %
6	0,308 %	1,854 %	0,298 %	2,950 %	0,492 %	1,522 %
7	0,444 %	1,879 %	0,434 %	3,221 %	0,656 %	1,755 %
8	0,571 %	1,903 %	0,561 %	3,425 %	0,800 %	1,950 %
9	0,690 %	1,924 %	0,680 %	3,584 %	0,931 %	2,110 %
10	0,789 %	1,940 %	0,779 %	3,703 %	1,048 %	2,242 %
11	0,887 %	1,952 %	0,877 %	3,797 %	1,201 %	2,356 %
12	0,981 %	1,959 %	0,970 %	3,876 %	1,372 %	2,454 %
13	1,062 %	1,962 %	1,051 %	3,941 %	1,540 %	2,540 %
14	1,128 %	1,968 %	1,118 %	3,997 %	1,698 %	2,616 %
15	1,179 %	1,983 %	1,168 %	4,043 %	1,842 %	2,685 %
16	1,215 %	2,008 %	1,204 %	4,082 %	1,972 %	2,747 %
17	1,243 %	2,042 %	1,232 %	4,116 %	2,090 %	2,804 %
18	1,270 %	2,081 %	1,259 %	4,144 %	2,196 %	2,855 %
19	1,300 %	2,124 %	1,290 %	4,168 %	2,291 %	2,903 %
20	1,338 %	2,170 %	1,327 %	4,189 %	2,378 %	2,947 %
21	1,383 %	2,216 %	1,373 %	4,207 %	2,456 %	2,988 %
22	1,435 %	2,263 %	1,425 %	4,223 %	2,528 %	3,025 %
23	1,491 %	2,309 %	1,481 %	4,237 %	2,594 %	3,061 %
24	1,549 %	2,355 %	1,540 %	4,249 %	2,654 %	3,094 %
25	1,609 %	2,400 %	1,599 %	4,260 %	2,709 %	3,125 %
26	1,668 %	2,444 %	1,659 %	4,269 %	2,760 %	3,154 %
27	1,728 %	2,487 %	1,719 %	4,277 %	2,808 %	3,182 %
28	1,786 %	2,528 %	1,778 %	4,284 %	2,852 %	3,208 %
29	1,844 %	2,568 %	1,835 %	4,291 %	2,893 %	3,232 %
30	1,899 %	2,607 %	1,891 %	4,296 %	2,931 %	3,256 %
31	1,954 %	2,644 %	1,946 %	4,301 %	2,967 %	3,278 %
32	2,006 %	2,680 %	1,999 %	4,306 %	3,001 %	3,299 %
33	2,057 %	2,715 %	2,050 %	4,310 %	3,033 %	3,318 %
34	2,107 %	2,748 %	2,099 %	4,313 %	3,062 %	3,337 %
35	2,154 %	2,780 %	2,147 %	4,317 %	3,091 %	3,355 %
36	2,200 %	2,810 %	2,193 %	4,319 %	3,117 %	3,373 %
37	2,244 %	2,840 %	2,237 %	4,322 %	3,142 %	3,389 %
38	2,286 %	2,868 %	2,280 %	4,324 %	3,166 %	3,405 %
39	2,327 %	2,895 %	2,321 %	4,326 %	3,189 %	3,420 %

Term to maturity (in years)	Euro	Czech koruna	Danish krone	Forint	Krona	Kuna
40	2,366 %	2,922 %	2,360 %	4,328 %	3,210 %	3,434 %
41	2,404 %	2,947 %	2,398 %	4,330 %	3,230 %	3,448 %
42	2,440 %	2,971 %	2,434 %	4,332 %	3,250 %	3,461 %
43	2,475 %	2,994 %	2,469 %	4,333 %	3,268 %	3,474 %
44	2,509 %	3,017 %	2,503 %	4,334 %	3,286 %	3,486 %
45	2,541 %	3,038 %	2,536 %	4,335 %	3,303 %	3,498 %
46	2,572 %	3,059 %	2,567 %	4,336 %	3,319 %	3,509 %
47	2,602 %	3,079 %	2,597 %	4,337 %	3,335 %	3,520 %
48	2,631 %	3,098 %	2,626 %	4,338 %	3,349 %	3,530 %
49	2,659 %	3,117 %	2,654 %	4,339 %	3,364 %	3,540 %
50	2,686 %	3,135 %	2,681 %	4,340 %	3,377 %	3,550 %
51	2,712 %	3,152 %	2,707 %	4,340 %	3,391 %	3,559 %
52	2,737 %	3,169 %	2,732 %	4,341 %	3,403 %	3,569 %
53	2,761 %	3,185 %	2,756 %	4,341 %	3,415 %	3,577 %
54	2,784 %	3,200 %	2,780 %	4,342 %	3,427 %	3,586 %
55	2,807 %	3,215 %	2,802 %	4,342 %	3,438 %	3,594 %
56	2,829 %	3,230 %	2,824 %	4,343 %	3,449 %	3,602 %
57	2,850 %	3,244 %	2,845 %	4,343 %	3,460 %	3,609 %
58	2,870 %	3,258 %	2,866 %	4,343 %	3,470 %	3,617 %
59	2,890 %	3,271 %	2,885 %	4,344 %	3,480 %	3,624 %
60	2,909 %	3,284 %	2,904 %	4,344 %	3,489 %	3,631 %
61	2,927 %	3,296 %	2,923 %	4,344 %	3,498 %	3,637 %
62	2,945 %	3,308 %	2,941 %	4,344 %	3,507 %	3,644 %
63	2,962 %	3,319 %	2,958 %	4,345 %	3,516 %	3,650 %
64	2,979 %	3,331 %	2,975 %	4,345 %	3,524 %	3,656 %
65	2,995 %	3,342 %	2,991 %	4,345 %	3,532 %	3,662 %
66	3,011 %	3,352 %	3,007 %	4,345 %	3,540 %	3,668 %
67	3,027 %	3,363 %	3,023 %	4,345 %	3,548 %	3,674 %
68	3,042 %	3,373 %	3,038 %	4,346 %	3,555 %	3,679 %
69	3,056 %	3,382 %	3,052 %	4,346 %	3,562 %	3,684 %
70	3,070 %	3,392 %	3,066 %	4,346 %	3,569 %	3,689 %
71	3,084 %	3,401 %	3,080 %	4,346 %	3,576 %	3,694 %
72	3,097 %	3,410 %	3,094 %	4,346 %	3,582 %	3,699 %
73	3,110 %	3,419 %	3,107 %	4,346 %	3,589 %	3,704 %
74	3,123 %	3,427 %	3,119 %	4,346 %	3,595 %	3,709 %
75	3,135 %	3,435 %	3,132 %	4,346 %	3,601 %	3,713 %
76	3,147 %	3,443 %	3,144 %	4,346 %	3,607 %	3,718 %
77	3,159 %	3,451 %	3,155 %	4,347 %	3,613 %	3,722 %
78	3,170 %	3,459 %	3,167 %	4,347 %	3,618 %	3,726 %
79	3,181 %	3,466 %	3,178 %	4,347 %	3,624 %	3,730 %

Term to maturity (in years)	Euro	Czech koruna	Danish krone	Forint	Krona	Kuna
80	3,192 %	3,474 %	3,189 %	4,347 %	3,629 %	3,734 %
81	3,202 %	3,481 %	3,199 %	4,347 %	3,634 %	3,738 %
82	3,213 %	3,488 %	3,210 %	4,347 %	3,639 %	3,742 %
83	3,223 %	3,494 %	3,220 %	4,347 %	3,644 %	3,745 %
84	3,233 %	3,501 %	3,229 %	4,347 %	3,649 %	3,749 %
85	3,242 %	3,507 %	3,239 %	4,347 %	3,654 %	3,752 %
86	3,252 %	3,514 %	3,248 %	4,347 %	3,658 %	3,756 %
87	3,261 %	3,520 %	3,258 %	4,347 %	3,663 %	3,759 %
88	3,270 %	3,526 %	3,267 %	4,347 %	3,667 %	3,763 %
89	3,278 %	3,532 %	3,275 %	4,347 %	3,672 %	3,766 %
90	3,287 %	3,537 %	3,284 %	4,347 %	3,676 %	3,769 %
91	3,295 %	3,543 %	3,292 %	4,347 %	3,680 %	3,772 %
92	3,303 %	3,548 %	3,301 %	4,347 %	3,684 %	3,775 %
93	3,311 %	3,554 %	3,309 %	4,347 %	3,688 %	3,778 %
94	3,319 %	3,559 %	3,316 %	4,347 %	3,692 %	3,781 %
95	3,327 %	3,564 %	3,324 %	4,347 %	3,695 %	3,784 %
96	3,334 %	3,569 %	3,332 %	4,347 %	3,699 %	3,786 %
97	3,342 %	3,574 %	3,339 %	4,348 %	3,703 %	3,789 %
98	3,349 %	3,579 %	3,346 %	4,348 %	3,706 %	3,792 %
99	3,356 %	3,584 %	3,353 %	4,348 %	3,710 %	3,794 %
100	3,363 %	3,589 %	3,360 %	4,348 %	3,713 %	3,797 %
101	3,370 %	3,593 %	3,367 %	4,348 %	3,716 %	3,799 %
102	3,376 %	3,598 %	3,374 %	4,348 %	3,720 %	3,802 %
103	3,383 %	3,602 %	3,380 %	4,348 %	3,723 %	3,804 %
104	3,389 %	3,606 %	3,387 %	4,348 %	3,726 %	3,807 %
105	3,396 %	3,610 %	3,393 %	4,348 %	3,729 %	3,809 %
106	3,402 %	3,615 %	3,399 %	4,348 %	3,732 %	3,811 %
107	3,408 %	3,619 %	3,405 %	4,348 %	3,735 %	3,813 %
108	3,414 %	3,623 %	3,411 %	4,348 %	3,738 %	3,816 %
109	3,419 %	3,627 %	3,417 %	4,348 %	3,741 %	3,818 %
110	3,425 %	3,630 %	3,423 %	4,348 %	3,744 %	3,820 %
111	3,431 %	3,634 %	3,428 %	4,348 %	3,746 %	3,822 %
112	3,436 %	3,638 %	3,434 %	4,348 %	3,749 %	3,824 %
113	3,442 %	3,641 %	3,439 %	4,348 %	3,752 %	3,826 %
114	3,447 %	3,645 %	3,445 %	4,348 %	3,754 %	3,828 %
115	3,452 %	3,649 %	3,450 %	4,348 %	3,757 %	3,830 %
116	3,457 %	3,652 %	3,455 %	4,348 %	3,760 %	3,832 %
117	3,462 %	3,655 %	3,460 %	4,348 %	3,762 %	3,834 %
118	3,467 %	3,659 %	3,465 %	4,348 %	3,764 %	3,835 %
119	3,472 %	3,662 %	3,470 %	4,348 %	3,767 %	3,837 %

Term to maturity (in years)	Euro	Czech koruna	Danish krone	Forint	Krona	Kuna
120	3,477 %	3,665 %	3,475 %	4,348 %	3,769 %	3,839 %
121	3,482 %	3,668 %	3,480 %	4,348 %	3,772 %	3,841 %
122	3,486 %	3,672 %	3,484 %	4,348 %	3,774 %	3,842 %
123	3,491 %	3,675 %	3,489 %	4,348 %	3,776 %	3,844 %
124	3,496 %	3,678 %	3,493 %	4,348 %	3,778 %	3,846 %
125	3,500 %	3,681 %	3,498 %	4,348 %	3,780 %	3,847 %
126	3,504 %	3,684 %	3,502 %	4,348 %	3,783 %	3,849 %
127	3,509 %	3,686 %	3,507 %	4,348 %	3,785 %	3,851 %
128	3,513 %	3,689 %	3,511 %	4,348 %	3,787 %	3,852 %
129	3,517 %	3,692 %	3,515 %	4,348 %	3,789 %	3,854 %
130	3,521 %	3,695 %	3,519 %	4,348 %	3,791 %	3,855 %
131	3,525 %	3,698 %	3,523 %	4,348 %	3,793 %	3,857 %
132	3,529 %	3,700 %	3,527 %	4,348 %	3,795 %	3,858 %
133	3,533 %	3,703 %	3,531 %	4,348 %	3,797 %	3,860 %
134	3,537 %	3,705 %	3,535 %	4,348 %	3,799 %	3,861 %
135	3,541 %	3,708 %	3,539 %	4,348 %	3,800 %	3,862 %
136	3,544 %	3,710 %	3,542 %	4,348 %	3,802 %	3,864 %
137	3,548 %	3,713 %	3,546 %	4,348 %	3,804 %	3,865 %
138	3,552 %	3,715 %	3,550 %	4,348 %	3,806 %	3,867 %
139	3,555 %	3,718 %	3,553 %	4,348 %	3,808 %	3,868 %
140	3,559 %	3,720 %	3,557 %	4,348 %	3,809 %	3,869 %
141	3,562 %	3,722 %	3,560 %	4,348 %	3,811 %	3,870 %
142	3,566 %	3,725 %	3,564 %	4,348 %	3,813 %	3,872 %
143	3,569 %	3,727 %	3,567 %	4,348 %	3,814 %	3,873 %
144	3,572 %	3,729 %	3,571 %	4,348 %	3,816 %	3,874 %
145	3,576 %	3,732 %	3,574 %	4,348 %	3,818 %	3,875 %
146	3,579 %	3,734 %	3,577 %	4,348 %	3,819 %	3,877 %
147	3,582 %	3,736 %	3,580 %	4,348 %	3,821 %	3,878 %
148	3,585 %	3,738 %	3,583 %	4,348 %	3,822 %	3,879 %
149	3,588 %	3,740 %	3,587 %	4,348 %	3,824 %	3,880 %
150	3,591 %	3,742 %	3,590 %	4,348 %	3,825 %	3,881 %

Term to maturity (in years)	Lev	Pound sterling	Romanian leu	Zloty	Króna	Norwegian krone
1	- 0,403 %	0,780 %	3,539 %	1,260 %	4,747 %	1,105 %
2	- 0,325 %	0,924 %	4,001 %	1,499 %	4,830 %	1,347 %
3	- 0,186 %	1,039 %	4,367 %	1,856 %	4,940 %	1,483 %
4	- 0,034 %	1,134 %	4,636 %	2,170 %	5,009 %	1,611 %
5	0,114 %	1,210 %	4,825 %	2,416 %	5,057 %	1,719 %
6	0,258 %	1,267 %	4,937 %	2,679 %	5,103 %	1,814 %
7	0,394 %	1,319 %	5,014 %	2,905 %	5,150 %	1,895 %
8	0,520 %	1,364 %	5,085 %	3,054 %	5,187 %	1,966 %
9	0,639 %	1,403 %	5,155 %	3,138 %	5,205 %	2,024 %

Term to maturity (in years)	Lev	Pound sterling	Romanian leu	Zloty	Króna	Norwegian krone
10	0,738 %	1,438 %	5,226 %	3,165 %	5,210 %	2,075 %
11	0,836 %	1,467 %	5,275 %	3,183 %	5,204 %	2,128 %
12	0,929 %	1,491 %	5,304 %	3,203 %	5,192 %	2,185 %
13	1,010 %	1,513 %	5,317 %	3,225 %	5,175 %	2,242 %
14	1,077 %	1,527 %	5,320 %	3,246 %	5,155 %	2,299 %
15	1,127 %	1,537 %	5,314 %	3,268 %	5,133 %	2,355 %
16	1,163 %	1,548 %	5,302 %	3,289 %	5,109 %	2,410 %
17	1,190 %	1,556 %	5,286 %	3,310 %	5,085 %	2,463 %
18	1,217 %	1,562 %	5,267 %	3,331 %	5,060 %	2,514 %
19	1,248 %	1,565 %	5,245 %	3,351 %	5,035 %	2,563 %
20	1,286 %	1,564 %	5,221 %	3,370 %	5,011 %	2,610 %
21	1,332 %	1,561 %	5,197 %	3,389 %	4,986 %	2,656 %
22	1,385 %	1,560 %	5,172 %	3,407 %	4,962 %	2,699 %
23	1,442 %	1,558 %	5,146 %	3,425 %	4,939 %	2,740 %
24	1,501 %	1,555 %	5,121 %	3,442 %	4,916 %	2,779 %
25	1,562 %	1,553 %	5,095 %	3,458 %	4,893 %	2,817 %
26	1,622 %	1,549 %	5,070 %	3,473 %	4,872 %	2,853 %
27	1,683 %	1,545 %	5,046 %	3,488 %	4,851 %	2,887 %
28	1,743 %	1,541 %	5,021 %	3,503 %	4,830 %	2,920 %
29	1,801 %	1,535 %	4,998 %	3,517 %	4,811 %	2,951 %
30	1,858 %	1,529 %	4,975 %	3,530 %	4,792 %	2,981 %
31	1,914 %	1,521 %	4,953 %	3,543 %	4,773 %	3,009 %
32	1,967 %	1,514 %	4,931 %	3,555 %	4,756 %	3,036 %
33	2,019 %	1,506 %	4,910 %	3,567 %	4,739 %	3,062 %
34	2,070 %	1,499 %	4,890 %	3,578 %	4,722 %	3,087 %
35	2,118 %	1,493 %	4,870 %	3,589 %	4,707 %	3,111 %
36	2,165 %	1,488 %	4,851 %	3,600 %	4,691 %	3,134 %
37	2,210 %	1,483 %	4,833 %	3,610 %	4,677 %	3,156 %
38	2,253 %	1,476 %	4,815 %	3,620 %	4,662 %	3,177 %
39	2,294 %	1,468 %	4,798 %	3,629 %	4,649 %	3,197 %
40	2,334 %	1,457 %	4,782 %	3,638 %	4,636 %	3,217 %
41	2,373 %	1,443 %	4,766 %	3,647 %	4,623 %	3,235 %
42	2,410 %	1,428 %	4,750 %	3,655 %	4,611 %	3,253 %
43	2,446 %	1,414 %	4,736 %	3,664 %	4,599 %	3,270 %
44	2,480 %	1,402 %	4,721 %	3,671 %	4,588 %	3,287 %
45	2,513 %	1,392 %	4,708 %	3,679 %	4,577 %	3,303 %
46	2,545 %	1,385 %	4,694 %	3,686 %	4,566 %	3,318 %
47	2,575 %	1,383 %	4,681 %	3,693 %	4,556 %	3,333 %
48	2,605 %	1,384 %	4,669 %	3,700 %	4,546 %	3,347 %
49	2,633 %	1,390 %	4,657 %	3,707 %	4,537 %	3,361 %

Term to maturity (in years)	Lev	Pound sterling	Romanian leu	Zloty	Króna	Norwegian krone
50	2,660 %	1,401 %	4,646 %	3,713 %	4,527 %	3,374 %
51	2,687 %	1,417 %	4,634 %	3,719 %	4,519 %	3,386 %
52	2,712 %	1,437 %	4,624 %	3,725 %	4,510 %	3,399 %
53	2,737 %	1,460 %	4,613 %	3,731 %	4,502 %	3,411 %
54	2,760 %	1,486 %	4,603 %	3,736 %	4,494 %	3,422 %
55	2,783 %	1,513 %	4,593 %	3,742 %	4,486 %	3,433 %
56	2,806 %	1,542 %	4,584 %	3,747 %	4,478 %	3,444 %
57	2,827 %	1,572 %	4,575 %	3,752 %	4,471 %	3,454 %
58	2,848 %	1,602 %	4,566 %	3,757 %	4,464 %	3,464 %
59	2,868 %	1,633 %	4,557 %	3,762 %	4,457 %	3,474 %
60	2,887 %	1,664 %	4,549 %	3,766 %	4,451 %	3,483 %
61	2,906 %	1,696 %	4,541 %	3,771 %	4,444 %	3,492 %
62	2,924 %	1,727 %	4,533 %	3,775 %	4,438 %	3,501 %
63	2,942 %	1,757 %	4,526 %	3,779 %	4,432 %	3,510 %
64	2,959 %	1,788 %	4,518 %	3,784 %	4,426 %	3,518 %
65	2,976 %	1,818 %	4,511 %	3,788 %	4,420 %	3,526 %
66	2,992 %	1,848 %	4,504 %	3,791 %	4,415 %	3,534 %
67	3,007 %	1,878 %	4,498 %	3,795 %	4,410 %	3,541 %
68	3,023 %	1,907 %	4,491 %	3,799 %	4,404 %	3,549 %
69	3,037 %	1,935 %	4,485 %	3,802 %	4,399 %	3,556 %
70	3,052 %	1,963 %	4,479 %	3,806 %	4,394 %	3,563 %
71	3,066 %	1,990 %	4,473 %	3,809 %	4,389 %	3,570 %
72	3,079 %	2,017 %	4,467 %	3,813 %	4,385 %	3,576 %
73	3,092 %	2,043 %	4,461 %	3,816 %	4,380 %	3,583 %
74	3,105 %	2,069 %	4,456 %	3,819 %	4,376 %	3,589 %
75	3,118 %	2,094 %	4,450 %	3,822 %	4,371 %	3,595 %
76	3,130 %	2,119 %	4,445 %	3,825 %	4,367 %	3,601 %
77	3,142 %	2,143 %	4,440 %	3,828 %	4,363 %	3,607 %
78	3,153 %	2,166 %	4,435 %	3,831 %	4,359 %	3,613 %
79	3,165 %	2,190 %	4,430 %	3,833 %	4,355 %	3,618 %
80	3,176 %	2,212 %	4,425 %	3,836 %	4,351 %	3,623 %
81	3,186 %	2,234 %	4,421 %	3,839 %	4,348 %	3,629 %
82	3,197 %	2,256 %	4,416 %	3,841 %	4,344 %	3,634 %
83	3,207 %	2,277 %	4,412 %	3,844 %	4,341 %	3,639 %
84	3,217 %	2,297 %	4,407 %	3,846 %	4,337 %	3,644 %
85	3,227 %	2,318 %	4,403 %	3,848 %	4,334 %	3,648 %
86	3,236 %	2,337 %	4,399 %	3,851 %	4,331 %	3,653 %
87	3,246 %	2,357 %	4,395 %	3,853 %	4,327 %	3,658 %
88	3,255 %	2,376 %	4,391 %	3,855 %	4,324 %	3,662 %
89	3,264 %	2,394 %	4,387 %	3,857 %	4,321 %	3,666 %

Term to maturity (in years)	Lev	Pound sterling	Romanian leu	Zloty	Króna	Norwegian krone
90	3,272 %	2,412 %	4,384 %	3,860 %	4,318 %	3,671 %
91	3,281 %	2,430 %	4,380 %	3,862 %	4,315 %	3,675 %
92	3,289 %	2,447 %	4,376 %	3,864 %	4,312 %	3,679 %
93	3,297 %	2,465 %	4,373 %	3,866 %	4,309 %	3,683 %
94	3,305 %	2,481 %	4,369 %	3,868 %	4,307 %	3,687 %
95	3,313 %	2,498 %	4,366 %	3,870 %	4,304 %	3,691 %
96	3,321 %	2,514 %	4,363 %	3,871 %	4,301 %	3,694 %
97	3,328 %	2,529 %	4,359 %	3,873 %	4,299 %	3,698 %
98	3,336 %	2,545 %	4,356 %	3,875 %	4,296 %	3,702 %
99	3,343 %	2,560 %	4,353 %	3,877 %	4,294 %	3,705 %
100	3,350 %	2,574 %	4,350 %	3,879 %	4,291 %	3,709 %
101	3,357 %	2,589 %	4,347 %	3,880 %	4,289 %	3,712 %
102	3,364 %	2,603 %	4,344 %	3,882 %	4,287 %	3,715 %
103	3,370 %	2,617 %	4,341 %	3,884 %	4,284 %	3,718 %
104	3,377 %	2,631 %	4,339 %	3,885 %	4,282 %	3,722 %
105	3,383 %	2,644 %	4,336 %	3,887 %	4,280 %	3,725 %
106	3,389 %	2,657 %	4,333 %	3,888 %	4,278 %	3,728 %
107	3,396 %	2,670 %	4,331 %	3,890 %	4,275 %	3,731 %
108	3,402 %	2,683 %	4,328 %	3,891 %	4,273 %	3,734 %
109	3,408 %	2,695 %	4,325 %	3,893 %	4,271 %	3,737 %
110	3,413 %	2,708 %	4,323 %	3,894 %	4,269 %	3,739 %
111	3,419 %	2,720 %	4,320 %	3,896 %	4,267 %	3,742 %
112	3,425 %	2,731 %	4,318 %	3,897 %	4,265 %	3,745 %
113	3,430 %	2,743 %	4,316 %	3,898 %	4,263 %	3,748 %
114	3,436 %	2,754 %	4,313 %	3,900 %	4,262 %	3,750 %
115	3,441 %	2,765 %	4,311 %	3,901 %	4,260 %	3,753 %
116	3,446 %	2,776 %	4,309 %	3,902 %	4,258 %	3,756 %
117	3,451 %	2,787 %	4,307 %	3,903 %	4,256 %	3,758 %
118	3,456 %	2,798 %	4,304 %	3,905 %	4,254 %	3,761 %
119	3,461 %	2,808 %	4,302 %	3,906 %	4,253 %	3,763 %
120	3,466 %	2,819 %	4,300 %	3,907 %	4,251 %	3,765 %
121	3,471 %	2,829 %	4,298 %	3,908 %	4,249 %	3,768 %
122	3,476 %	2,839 %	4,296 %	3,909 %	4,248 %	3,770 %
123	3,480 %	2,849 %	4,294 %	3,911 %	4,246 %	3,772 %
124	3,485 %	2,858 %	4,292 %	3,912 %	4,245 %	3,774 %
125	3,490 %	2,868 %	4,290 %	3,913 %	4,243 %	3,777 %
126	3,494 %	2,877 %	4,288 %	3,914 %	4,241 %	3,779 %
127	3,498 %	2,886 %	4,286 %	3,915 %	4,240 %	3,781 %
128	3,503 %	2,895 %	4,284 %	3,916 %	4,238 %	3,783 %
129	3,507 %	2,904 %	4,283 %	3,917 %	4,237 %	3,785 %

Term to maturity (in years)	Lev	Pound sterling	Romanian leu	Zloty	Króna	Norwegian krone
130	3,511 %	2,913 %	4,281 %	3,918 %	4,236 %	3,787 %
131	3,515 %	2,921 %	4,279 %	3,919 %	4,234 %	3,789 %
132	3,519 %	2,930 %	4,277 %	3,920 %	4,233 %	3,791 %
133	3,523 %	2,938 %	4,276 %	3,921 %	4,231 %	3,793 %
134	3,527 %	2,947 %	4,274 %	3,922 %	4,230 %	3,795 %
135	3,531 %	2,955 %	4,272 %	3,923 %	4,229 %	3,797 %
136	3,535 %	2,963 %	4,271 %	3,924 %	4,227 %	3,799 %
137	3,539 %	2,971 %	4,269 %	3,925 %	4,226 %	3,801 %
138	3,542 %	2,978 %	4,267 %	3,926 %	4,225 %	3,802 %
139	3,546 %	2,986 %	4,266 %	3,927 %	4,224 %	3,804 %
140	3,549 %	2,994 %	4,264 %	3,927 %	4,222 %	3,806 %
141	3,553 %	3,001 %	4,263 %	3,928 %	4,221 %	3,808 %
142	3,557 %	3,008 %	4,261 %	3,929 %	4,220 %	3,809 %
143	3,560 %	3,016 %	4,260 %	3,930 %	4,219 %	3,811 %
144	3,563 %	3,023 %	4,258 %	3,931 %	4,217 %	3,813 %
145	3,567 %	3,030 %	4,257 %	3,932 %	4,216 %	3,814 %
146	3,570 %	3,037 %	4,256 %	3,933 %	4,215 %	3,816 %
147	3,573 %	3,044 %	4,254 %	3,933 %	4,214 %	3,818 %
148	3,576 %	3,050 %	4,253 %	3,934 %	4,213 %	3,819 %
149	3,580 %	3,057 %	4,251 %	3,935 %	4,212 %	3,821 %
150	3,583 %	3,064 %	4,250 %	3,936 %	4,211 %	3,822 %

Term to maturity (in years)	Swiss franc	Australian dollar	Baht	Canadian dollar	Chilean peso	Colombian peso
1	- 0,745 %	1,962 %	1,284 %	1,848 %	2,642 %	4,533 %
2	- 0,639 %	2,016 %	1,523 %	2,070 %	3,118 %	4,913 %
3	- 0,498 %	2,063 %	1,738 %	2,178 %	3,403 %	5,314 %
4	- 0,359 %	2,180 %	1,908 %	2,245 %	3,594 %	5,551 %
5	- 0,226 %	2,279 %	2,044 %	2,269 %	3,750 %	5,798 %
6	- 0,102 %	2,372 %	2,161 %	2,296 %	3,889 %	5,964 %
7	0,018 %	2,452 %	2,266 %	2,305 %	4,008 %	6,247 %
8	0,125 %	2,523 %	2,362 %	2,342 %	4,104 %	6,393 %
9	0,218 %	2,583 %	2,446 %	2,358 %	4,181 %	6,397 %
10	0,314 %	2,639 %	2,516 %	2,371 %	4,242 %	6,426 %
11	0,388 %	2,690 %	2,570 %	2,392 %	4,289 %	6,446 %
12	0,460 %	2,735 %	2,614 %	2,417 %	4,326 %	6,446 %
13	0,528 %	2,774 %	2,654 %	2,442 %	4,356 %	6,431 %
14	0,601 %	2,806 %	2,691 %	2,463 %	4,379 %	6,406 %
15	0,624 %	2,830 %	2,727 %	2,480 %	4,398 %	6,373 %
16	0,648 %	2,846 %	2,763 %	2,490 %	4,413 %	6,335 %
17	0,681 %	2,856 %	2,799 %	2,495 %	4,425 %	6,294 %
18	0,717 %	2,862 %	2,835 %	2,495 %	4,435 %	6,250 %
19	0,748 %	2,866 %	2,869 %	2,489 %	4,443 %	6,205 %

Term to maturity (in years)	Swiss franc	Australian dollar	Baht	Canadian dollar	Chilean peso	Colombian peso
20	0,772 %	2,869 %	2,903 %	2,479 %	4,449 %	6,159 %
21	0,787 %	2,872 %	2,937 %	2,465 %	4,454 %	6,113 %
22	0,797 %	2,873 %	2,968 %	2,449 %	4,457 %	6,067 %
23	0,807 %	2,871 %	2,999 %	2,433 %	4,460 %	6,022 %
24	0,819 %	2,866 %	3,029 %	2,419 %	4,462 %	5,978 %
25	0,837 %	2,857 %	3,057 %	2,407 %	4,464 %	5,935 %
26	0,862 %	2,845 %	3,085 %	2,399 %	4,465 %	5,892 %
27	0,893 %	2,831 %	3,111 %	2,394 %	4,465 %	5,852 %
28	0,927 %	2,818 %	3,137 %	2,394 %	4,465 %	5,812 %
29	0,964 %	2,808 %	3,161 %	2,398 %	4,465 %	5,774 %
30	1,003 %	2,803 %	3,184 %	2,407 %	4,465 %	5,737 %
31	1,043 %	2,804 %	3,206 %	2,420 %	4,464 %	5,701 %
32	1,084 %	2,809 %	3,228 %	2,438 %	4,463 %	5,667 %
33	1,125 %	2,817 %	3,248 %	2,458 %	4,462 %	5,634 %
34	1,165 %	2,829 %	3,268 %	2,480 %	4,461 %	5,602 %
35	1,205 %	2,843 %	3,287 %	2,504 %	4,460 %	5,571 %
36	1,245 %	2,858 %	3,305 %	2,528 %	4,459 %	5,542 %
37	1,283 %	2,874 %	3,323 %	2,554 %	4,458 %	5,513 %
38	1,321 %	2,892 %	3,340 %	2,580 %	4,456 %	5,486 %
39	1,358 %	2,910 %	3,356 %	2,606 %	4,455 %	5,460 %
40	1,394 %	2,928 %	3,371 %	2,632 %	4,454 %	5,435 %
41	1,428 %	2,947 %	3,386 %	2,658 %	4,452 %	5,410 %
42	1,462 %	2,966 %	3,400 %	2,683 %	4,451 %	5,387 %
43	1,495 %	2,985 %	3,414 %	2,709 %	4,449 %	5,364 %
44	1,526 %	3,003 %	3,428 %	2,733 %	4,448 %	5,343 %
45	1,557 %	3,021 %	3,440 %	2,758 %	4,446 %	5,322 %
46	1,587 %	3,040 %	3,453 %	2,782 %	4,445 %	5,302 %
47	1,616 %	3,057 %	3,465 %	2,805 %	4,444 %	5,283 %
48	1,643 %	3,075 %	3,476 %	2,827 %	4,442 %	5,264 %
49	1,670 %	3,092 %	3,487 %	2,850 %	4,441 %	5,246 %
50	1,696 %	3,109 %	3,498 %	2,871 %	4,439 %	5,229 %
51	1,721 %	3,125 %	3,508 %	2,892 %	4,438 %	5,212 %
52	1,746 %	3,141 %	3,518 %	2,912 %	4,437 %	5,196 %
53	1,769 %	3,156 %	3,528 %	2,932 %	4,435 %	5,180 %
54	1,792 %	3,171 %	3,537 %	2,951 %	4,434 %	5,165 %
55	1,814 %	3,186 %	3,546 %	2,970 %	4,433 %	5,151 %
56	1,835 %	3,200 %	3,555 %	2,988 %	4,432 %	5,137 %
57	1,856 %	3,214 %	3,563 %	3,006 %	4,431 %	5,123 %
58	1,876 %	3,228 %	3,571 %	3,023 %	4,429 %	5,110 %
59	1,896 %	3,241 %	3,579 %	3,040 %	4,428 %	5,097 %

Term to maturity (in years)	Swiss franc	Australian dollar	Baht	Canadian dollar	Chilean peso	Colombian peso
60	1,914 %	3,254 %	3,587 %	3,056 %	4,427 %	5,085 %
61	1,933 %	3,266 %	3,594 %	3,072 %	4,426 %	5,073 %
62	1,950 %	3,279 %	3,601 %	3,087 %	4,425 %	5,062 %
63	1,967 %	3,290 %	3,608 %	3,102 %	4,424 %	5,050 %
64	1,984 %	3,302 %	3,615 %	3,116 %	4,423 %	5,039 %
65	2,000 %	3,313 %	3,622 %	3,130 %	4,422 %	5,029 %
66	2,016 %	3,324 %	3,628 %	3,144 %	4,421 %	5,019 %
67	2,031 %	3,334 %	3,634 %	3,157 %	4,420 %	5,009 %
68	2,046 %	3,345 %	3,640 %	3,170 %	4,419 %	4,999 %
69	2,060 %	3,355 %	3,646 %	3,182 %	4,418 %	4,990 %
70	2,074 %	3,365 %	3,652 %	3,194 %	4,417 %	4,981 %
71	2,088 %	3,374 %	3,657 %	3,206 %	4,416 %	4,972 %
72	2,101 %	3,383 %	3,663 %	3,218 %	4,415 %	4,963 %
73	2,114 %	3,392 %	3,668 %	3,229 %	4,415 %	4,955 %
74	2,127 %	3,401 %	3,673 %	3,240 %	4,414 %	4,947 %
75	2,139 %	3,410 %	3,678 %	3,251 %	4,413 %	4,939 %
76	2,151 %	3,418 %	3,683 %	3,261 %	4,412 %	4,931 %
77	2,162 %	3,426 %	3,688 %	3,271 %	4,411 %	4,923 %
78	2,174 %	3,434 %	3,692 %	3,281 %	4,411 %	4,916 %
79	2,185 %	3,442 %	3,697 %	3,291 %	4,410 %	4,909 %
80	2,195 %	3,449 %	3,701 %	3,300 %	4,409 %	4,902 %
81	2,206 %	3,457 %	3,705 %	3,309 %	4,408 %	4,895 %
82	2,216 %	3,464 %	3,710 %	3,318 %	4,408 %	4,888 %
83	2,226 %	3,471 %	3,714 %	3,327 %	4,407 %	4,882 %
84	2,236 %	3,478 %	3,718 %	3,336 %	4,406 %	4,876 %
85	2,245 %	3,484 %	3,722 %	3,344 %	4,406 %	4,869 %
86	2,255 %	3,491 %	3,725 %	3,352 %	4,405 %	4,863 %
87	2,264 %	3,497 %	3,729 %	3,360 %	4,405 %	4,857 %
88	2,273 %	3,503 %	3,733 %	3,368 %	4,404 %	4,852 %
89	2,281 %	3,510 %	3,736 %	3,376 %	4,403 %	4,846 %
90	2,290 %	3,516 %	3,740 %	3,383 %	4,403 %	4,840 %
91	2,298 %	3,521 %	3,743 %	3,390 %	4,402 %	4,835 %
92	2,306 %	3,527 %	3,746 %	3,398 %	4,402 %	4,830 %
93	2,314 %	3,533 %	3,750 %	3,404 %	4,401 %	4,825 %
94	2,322 %	3,538 %	3,753 %	3,411 %	4,401 %	4,820 %
95	2,330 %	3,544 %	3,756 %	3,418 %	4,400 %	4,815 %
96	2,337 %	3,549 %	3,759 %	3,425 %	4,400 %	4,810 %
97	2,344 %	3,554 %	3,762 %	3,431 %	4,399 %	4,805 %
98	2,352 %	3,559 %	3,765 %	3,437 %	4,399 %	4,800 %
99	2,359 %	3,564 %	3,768 %	3,443 %	4,398 %	4,796 %

Term to maturity (in years)	Swiss franc	Australian dollar	Baht	Canadian dollar	Chilean peso	Colombian peso
100	2,366 %	3,569 %	3,771 %	3,450 %	4,398 %	4,791 %
101	2,372 %	3,574 %	3,773 %	3,455 %	4,397 %	4,787 %
102	2,379 %	3,578 %	3,776 %	3,461 %	4,397 %	4,783 %
103	2,385 %	3,583 %	3,779 %	3,467 %	4,396 %	4,778 %
104	2,392 %	3,587 %	3,781 %	3,473 %	4,396 %	4,774 %
105	2,398 %	3,592 %	3,784 %	3,478 %	4,395 %	4,770 %
106	2,404 %	3,596 %	3,786 %	3,483 %	4,395 %	4,766 %
107	2,410 %	3,600 %	3,789 %	3,489 %	4,394 %	4,762 %
108	2,416 %	3,604 %	3,791 %	3,494 %	4,394 %	4,759 %
109	2,422 %	3,608 %	3,794 %	3,499 %	4,394 %	4,755 %
110	2,428 %	3,612 %	3,796 %	3,504 %	4,393 %	4,751 %
111	2,433 %	3,616 %	3,798 %	3,509 %	4,393 %	4,747 %
112	2,439 %	3,620 %	3,801 %	3,514 %	4,393 %	4,744 %
113	2,444 %	3,624 %	3,803 %	3,518 %	4,392 %	4,740 %
114	2,449 %	3,628 %	3,805 %	3,523 %	4,392 %	4,737 %
115	2,455 %	3,631 %	3,807 %	3,528 %	4,391 %	4,734 %
116	2,460 %	3,635 %	3,809 %	3,532 %	4,391 %	4,730 %
117	2,465 %	3,639 %	3,811 %	3,537 %	4,391 %	4,727 %
118	2,470 %	3,642 %	3,813 %	3,541 %	4,390 %	4,724 %
119	2,475 %	3,645 %	3,815 %	3,545 %	4,390 %	4,721 %
120	2,479 %	3,649 %	3,817 %	3,549 %	4,390 %	4,718 %
121	2,484 %	3,652 %	3,819 %	3,553 %	4,389 %	4,715 %
122	2,489 %	3,655 %	3,821 %	3,558 %	4,389 %	4,712 %
123	2,493 %	3,659 %	3,823 %	3,562 %	4,389 %	4,709 %
124	2,498 %	3,662 %	3,825 %	3,565 %	4,388 %	4,706 %
125	2,502 %	3,665 %	3,826 %	3,569 %	4,388 %	4,703 %
126	2,506 %	3,668 %	3,828 %	3,573 %	4,388 %	4,700 %
127	2,511 %	3,671 %	3,830 %	3,577 %	4,388 %	4,697 %
128	2,515 %	3,674 %	3,832 %	3,581 %	4,387 %	4,695 %
129	2,519 %	3,677 %	3,833 %	3,584 %	4,387 %	4,692 %
130	2,523 %	3,680 %	3,835 %	3,588 %	4,387 %	4,689 %
131	2,527 %	3,682 %	3,837 %	3,591 %	4,386 %	4,687 %
132	2,531 %	3,685 %	3,838 %	3,595 %	4,386 %	4,684 %
133	2,535 %	3,688 %	3,840 %	3,598 %	4,386 %	4,682 %
134	2,539 %	3,691 %	3,841 %	3,602 %	4,386 %	4,679 %
135	2,543 %	3,693 %	3,843 %	3,605 %	4,385 %	4,677 %
136	2,546 %	3,696 %	3,845 %	3,608 %	4,385 %	4,674 %
137	2,550 %	3,699 %	3,846 %	3,611 %	4,385 %	4,672 %
138	2,554 %	3,701 %	3,848 %	3,615 %	4,385 %	4,670 %
139	2,557 %	3,704 %	3,849 %	3,618 %	4,384 %	4,667 %

Term to maturity (in years)	Swiss franc	Australian dollar	Baht	Canadian dollar	Chilean peso	Colombian peso
140	2,561 %	3,706 %	3,850 %	3,621 %	4,384 %	4,665 %
141	2,564 %	3,708 %	3,852 %	3,624 %	4,384 %	4,663 %
142	2,568 %	3,711 %	3,853 %	3,627 %	4,384 %	4,661 %
143	2,571 %	3,713 %	3,855 %	3,630 %	4,383 %	4,658 %
144	2,574 %	3,716 %	3,856 %	3,633 %	4,383 %	4,656 %
145	2,577 %	3,718 %	3,857 %	3,635 %	4,383 %	4,654 %
146	2,581 %	3,720 %	3,859 %	3,638 %	4,383 %	4,652 %
147	2,584 %	3,722 %	3,860 %	3,641 %	4,382 %	4,650 %
148	2,587 %	3,725 %	3,861 %	3,644 %	4,382 %	4,648 %
149	2,590 %	3,727 %	3,862 %	3,647 %	4,382 %	4,646 %
150	2,593 %	3,729 %	3,864 %	3,649 %	4,382 %	4,644 %

Term to maturity (in years)	Hong Kong dollar	Indian rupee	Mexican peso	New Taiwan dollar	New Zealand dollar	Rand
1	2,127 %	7,068 %	8,188 %	0,395 %	1,952 %	6,941 %
2	2,354 %	7,341 %	8,042 %	0,485 %	2,026 %	7,153 %
3	2,488 %	7,567 %	7,870 %	0,555 %	2,159 %	7,349 %
4	2,572 %	7,740 %	7,797 %	0,608 %	2,288 %	7,534 %
5	2,624 %	7,861 %	7,764 %	0,655 %	2,431 %	7,712 %
6	2,653 %	7,929 %	7,789 %	0,716 %	2,563 %	7,881 %
7	2,674 %	7,978 %	7,841 %	0,759 %	2,685 %	8,033 %
8	2,694 %	8,000 %	7,894 %	0,799 %	2,792 %	8,160 %
9	2,719 %	8,005 %	7,948 %	0,851 %	2,877 %	8,267 %
10	2,747 %	8,002 %	8,005 %	0,903 %	2,955 %	8,363 %
11	2,780 %	7,981 %	8,065 %	0,970 %	3,029 %	8,464 %
12	2,810 %	7,945 %	8,127 %	1,050 %	3,098 %	8,564 %
13	2,835 %	7,900 %	8,188 %	1,136 %	3,160 %	8,655 %
14	2,857 %	7,847 %	8,246 %	1,225 %	3,215 %	8,727 %
15	2,879 %	7,791 %	8,301 %	1,315 %	3,262 %	8,775 %
16	2,904 %	7,731 %	8,352 %	1,404 %	3,300 %	8,794 %
17	2,930 %	7,670 %	8,395 %	1,491 %	3,331 %	8,788 %
18	2,957 %	7,609 %	8,427 %	1,575 %	3,358 %	8,764 %
19	2,984 %	7,547 %	8,445 %	1,656 %	3,381 %	8,725 %
20	3,011 %	7,486 %	8,447 %	1,734 %	3,403 %	8,675 %
21	3,038 %	7,427 %	8,431 %	1,809 %	3,423 %	8,618 %
22	3,065 %	7,368 %	8,400 %	1,880 %	3,442 %	8,554 %
23	3,091 %	7,311 %	8,358 %	1,949 %	3,460 %	8,487 %
24	3,116 %	7,256 %	8,308 %	2,014 %	3,477 %	8,417 %
25	3,141 %	7,203 %	8,251 %	2,076 %	3,493 %	8,346 %
26	3,165 %	7,151 %	8,189 %	2,136 %	3,509 %	8,274 %
27	3,188 %	7,101 %	8,124 %	2,192 %	3,524 %	8,202 %
28	3,210 %	7,053 %	8,058 %	2,246 %	3,538 %	8,131 %
29	3,232 %	7,007 %	7,990 %	2,297 %	3,552 %	8,061 %

Term to maturity (in years)	Hong Kong dollar	Indian rupee	Mexican peso	New Taiwan dollar	New Zealand dollar	Rand
30	3,252 %	6,963 %	7,923 %	2,346 %	3,564 %	7,993 %
31	3,272 %	6,920 %	7,855 %	2,393 %	3,577 %	7,926 %
32	3,292 %	6,879 %	7,789 %	2,438 %	3,589 %	7,861 %
33	3,310 %	6,840 %	7,724 %	2,480 %	3,600 %	7,798 %
34	3,328 %	6,802 %	7,660 %	2,521 %	3,611 %	7,737 %
35	3,345 %	6,766 %	7,598 %	2,560 %	3,621 %	7,679 %
36	3,362 %	6,731 %	7,537 %	2,597 %	3,631 %	7,622 %
37	3,378 %	6,698 %	7,479 %	2,633 %	3,641 %	7,567 %
38	3,393 %	6,665 %	7,422 %	2,667 %	3,650 %	7,514 %
39	3,408 %	6,635 %	7,367 %	2,700 %	3,659 %	7,464 %
40	3,422 %	6,605 %	7,314 %	2,731 %	3,667 %	7,415 %
41	3,435 %	6,577 %	7,263 %	2,761 %	3,675 %	7,368 %
42	3,448 %	6,549 %	7,214 %	2,790 %	3,683 %	7,323 %
43	3,461 %	6,523 %	7,166 %	2,817 %	3,691 %	7,279 %
44	3,473 %	6,498 %	7,121 %	2,844 %	3,698 %	7,237 %
45	3,485 %	6,474 %	7,076 %	2,869 %	3,705 %	7,197 %
46	3,496 %	6,450 %	7,034 %	2,894 %	3,712 %	7,158 %
47	3,507 %	6,428 %	6,993 %	2,917 %	3,719 %	7,121 %
48	3,518 %	6,406 %	6,954 %	2,940 %	3,725 %	7,085 %
49	3,528 %	6,385 %	6,916 %	2,962 %	3,731 %	7,050 %
50	3,538 %	6,365 %	6,879 %	2,983 %	3,737 %	7,017 %
51	3,548 %	6,346 %	6,844 %	3,003 %	3,743 %	6,985 %
52	3,557 %	6,327 %	6,810 %	3,022 %	3,748 %	6,954 %
53	3,566 %	6,309 %	6,777 %	3,041 %	3,753 %	6,924 %
54	3,574 %	6,292 %	6,745 %	3,060 %	3,759 %	6,895 %
55	3,583 %	6,275 %	6,715 %	3,077 %	3,764 %	6,867 %
56	3,591 %	6,259 %	6,685 %	3,094 %	3,768 %	6,840 %
57	3,598 %	6,243 %	6,656 %	3,111 %	3,773 %	6,814 %
58	3,606 %	6,228 %	6,629 %	3,126 %	3,778 %	6,789 %
59	3,613 %	6,213 %	6,602 %	3,142 %	3,782 %	6,765 %
60	3,620 %	6,199 %	6,576 %	3,157 %	3,786 %	6,741 %
61	3,627 %	6,185 %	6,551 %	3,171 %	3,791 %	6,718 %
62	3,634 %	6,172 %	6,527 %	3,185 %	3,795 %	6,696 %
63	3,640 %	6,159 %	6,503 %	3,199 %	3,798 %	6,675 %
64	3,647 %	6,146 %	6,481 %	3,212 %	3,802 %	6,654 %
65	3,653 %	6,134 %	6,459 %	3,225 %	3,806 %	6,634 %
66	3,659 %	6,122 %	6,437 %	3,237 %	3,810 %	6,614 %
67	3,664 %	6,110 %	6,416 %	3,249 %	3,813 %	6,596 %
68	3,670 %	6,099 %	6,396 %	3,261 %	3,816 %	6,577 %
69	3,675 %	6,088 %	6,377 %	3,272 %	3,820 %	6,559 %

Term to maturity (in years)	Hong Kong dollar	Indian rupee	Mexican peso	New Taiwan dollar	New Zealand dollar	Rand
70	3,681 %	6,078 %	6,358 %	3,283 %	3,823 %	6,542 %
71	3,686 %	6,068 %	6,339 %	3,294 %	3,826 %	6,525 %
72	3,691 %	6,058 %	6,321 %	3,304 %	3,829 %	6,509 %
73	3,696 %	6,048 %	6,304 %	3,314 %	3,832 %	6,493 %
74	3,700 %	6,039 %	6,287 %	3,324 %	3,835 %	6,477 %
75	3,705 %	6,029 %	6,270 %	3,334 %	3,838 %	6,462 %
76	3,709 %	6,020 %	6,254 %	3,343 %	3,841 %	6,448 %
77	3,714 %	6,012 %	6,238 %	3,352 %	3,843 %	6,433 %
78	3,718 %	6,003 %	6,223 %	3,361 %	3,846 %	6,419 %
79	3,722 %	5,995 %	6,208 %	3,370 %	3,848 %	6,406 %
80	3,726 %	5,987 %	6,193 %	3,378 %	3,851 %	6,392 %
81	3,730 %	5,979 %	6,179 %	3,387 %	3,853 %	6,380 %
82	3,734 %	5,971 %	6,165 %	3,395 %	3,856 %	6,367 %
83	3,738 %	5,964 %	6,152 %	3,402 %	3,858 %	6,355 %
84	3,742 %	5,957 %	6,139 %	3,410 %	3,860 %	6,343 %
85	3,745 %	5,949 %	6,126 %	3,418 %	3,863 %	6,331 %
86	3,749 %	5,942 %	6,113 %	3,425 %	3,865 %	6,319 %
87	3,752 %	5,936 %	6,101 %	3,432 %	3,867 %	6,308 %
88	3,756 %	5,929 %	6,089 %	3,439 %	3,869 %	6,297 %
89	3,759 %	5,922 %	6,077 %	3,446 %	3,871 %	6,287 %
90	3,762 %	5,916 %	6,066 %	3,453 %	3,873 %	6,276 %
91	3,765 %	5,910 %	6,055 %	3,459 %	3,875 %	6,266 %
92	3,768 %	5,904 %	6,044 %	3,466 %	3,877 %	6,256 %
93	3,771 %	5,898 %	6,033 %	3,472 %	3,879 %	6,246 %
94	3,774 %	5,892 %	6,022 %	3,478 %	3,880 %	6,237 %
95	3,777 %	5,886 %	6,012 %	3,484 %	3,882 %	6,227 %
96	3,780 %	5,881 %	6,002 %	3,490 %	3,884 %	6,218 %
97	3,783 %	5,875 %	5,992 %	3,496 %	3,886 %	6,209 %
98	3,786 %	5,870 %	5,982 %	3,501 %	3,887 %	6,200 %
99	3,788 %	5,864 %	5,973 %	3,507 %	3,889 %	6,192 %
100	3,791 %	5,859 %	5,964 %	3,512 %	3,890 %	6,183 %
101	3,793 %	5,854 %	5,955 %	3,517 %	3,892 %	6,175 %
102	3,796 %	5,849 %	5,946 %	3,523 %	3,894 %	6,167 %
103	3,798 %	5,844 %	5,937 %	3,528 %	3,895 %	6,159 %
104	3,801 %	5,840 %	5,928 %	3,533 %	3,897 %	6,151 %
105	3,803 %	5,835 %	5,920 %	3,538 %	3,898 %	6,143 %
106	3,806 %	5,830 %	5,912 %	3,543 %	3,899 %	6,136 %
107	3,808 %	5,826 %	5,904 %	3,547 %	3,901 %	6,128 %
108	3,810 %	5,822 %	5,896 %	3,552 %	3,902 %	6,121 %
109	3,812 %	5,817 %	5,888 %	3,556 %	3,904 %	6,114 %

Term to maturity (in years)	Hong Kong dollar	Indian rupee	Mexican peso	New Taiwan dollar	New Zealand dollar	Rand
110	3,814 %	5,813 %	5,880 %	3,561 %	3,905 %	6,107 %
111	3,817 %	5,809 %	5,873 %	3,565 %	3,906 %	6,100 %
112	3,819 %	5,805 %	5,865 %	3,570 %	3,908 %	6,094 %
113	3,821 %	5,801 %	5,858 %	3,574 %	3,909 %	6,087 %
114	3,823 %	5,797 %	5,851 %	3,578 %	3,910 %	6,081 %
115	3,825 %	5,793 %	5,844 %	3,582 %	3,911 %	6,074 %
116	3,827 %	5,789 %	5,837 %	3,586 %	3,912 %	6,068 %
117	3,828 %	5,785 %	5,830 %	3,590 %	3,914 %	6,062 %
118	3,830 %	5,781 %	5,824 %	3,594 %	3,915 %	6,056 %
119	3,832 %	5,778 %	5,817 %	3,598 %	3,916 %	6,050 %
120	3,834 %	5,774 %	5,811 %	3,602 %	3,917 %	6,044 %
121	3,836 %	5,771 %	5,805 %	3,605 %	3,918 %	6,038 %
122	3,838 %	5,767 %	5,798 %	3,609 %	3,919 %	6,032 %
123	3,839 %	5,764 %	5,792 %	3,613 %	3,920 %	6,027 %
124	3,841 %	5,761 %	5,786 %	3,616 %	3,921 %	6,021 %
125	3,843 %	5,757 %	5,780 %	3,619 %	3,922 %	6,016 %
126	3,844 %	5,754 %	5,775 %	3,623 %	3,923 %	6,011 %
127	3,846 %	5,751 %	5,769 %	3,626 %	3,924 %	6,006 %
128	3,848 %	5,748 %	5,763 %	3,630 %	3,925 %	6,000 %
129	3,849 %	5,745 %	5,758 %	3,633 %	3,926 %	5,995 %
130	3,851 %	5,742 %	5,752 %	3,636 %	3,927 %	5,990 %
131	3,852 %	5,739 %	5,747 %	3,639 %	3,928 %	5,985 %
132	3,854 %	5,736 %	5,742 %	3,642 %	3,929 %	5,981 %
133	3,855 %	5,733 %	5,736 %	3,645 %	3,930 %	5,976 %
134	3,857 %	5,730 %	5,731 %	3,648 %	3,931 %	5,971 %
135	3,858 %	5,727 %	5,726 %	3,651 %	3,932 %	5,967 %
136	3,859 %	5,724 %	5,721 %	3,654 %	3,933 %	5,962 %
137	3,861 %	5,722 %	5,716 %	3,657 %	3,933 %	5,958 %
138	3,862 %	5,719 %	5,711 %	3,660 %	3,934 %	5,953 %
139	3,864 %	5,716 %	5,707 %	3,663 %	3,935 %	5,949 %
140	3,865 %	5,714 %	5,702 %	3,666 %	3,936 %	5,944 %
141	3,866 %	5,711 %	5,697 %	3,668 %	3,937 %	5,940 %
142	3,867 %	5,708 %	5,693 %	3,671 %	3,938 %	5,936 %
143	3,869 %	5,706 %	5,688 %	3,674 %	3,938 %	5,932 %
144	3,870 %	5,703 %	5,684 %	3,676 %	3,939 %	5,928 %
145	3,871 %	5,701 %	5,679 %	3,679 %	3,940 %	5,924 %
146	3,872 %	5,699 %	5,675 %	3,681 %	3,941 %	5,920 %
147	3,874 %	5,696 %	5,671 %	3,684 %	3,941 %	5,916 %
148	3,875 %	5,694 %	5,667 %	3,686 %	3,942 %	5,912 %
149	3,876 %	5,692 %	5,662 %	3,689 %	3,943 %	5,908 %
150	3,877 %	5,689 %	5,658 %	3,691 %	3,944 %	5,905 %

Term to maturity (in years)	Real	Renminbi-yuan	Ringgit	Russian rouble	Singapore dollar	South Korean won
1	7,160 %	2,871 %	3,531 %	7,370 %	1,743 %	1,736 %
2	8,496 %	2,938 %	3,557 %	7,463 %	1,954 %	1,871 %
3	9,264 %	3,027 %	3,600 %	7,570 %	2,080 %	1,952 %
4	10,143 %	3,121 %	3,651 %	7,669 %	2,165 %	2,003 %
5	10,733 %	3,196 %	3,697 %	7,735 %	2,240 %	2,034 %
6	11,110 %	3,244 %	3,763 %	7,828 %	2,310 %	2,056 %
7	11,364 %	3,277 %	3,837 %	7,900 %	2,370 %	2,076 %
8	11,543 %	3,299 %	3,906 %	7,989 %	2,421 %	2,097 %
9	11,640 %	3,318 %	3,967 %	8,079 %	2,470 %	2,119 %
10	11,678 %	3,338 %	4,017 %	8,142 %	2,522 %	2,141 %
11	11,663 %	3,361 %	4,058 %	8,165 %	2,581 %	2,162 %
12	11,608 %	3,385 %	4,100 %	8,155 %	2,639 %	2,182 %
13	11,524 %	3,411 %	4,149 %	8,120 %	2,690 %	2,197 %
14	11,418 %	3,436 %	4,201 %	8,067 %	2,734 %	2,208 %
15	11,296 %	3,462 %	4,254 %	8,002 %	2,769 %	2,214 %
16	11,163 %	3,487 %	4,305 %	7,928 %	2,797 %	2,216 %
17	11,023 %	3,512 %	4,351 %	7,848 %	2,821 %	2,217 %
18	10,878 %	3,535 %	4,393 %	7,764 %	2,841 %	2,221 %
19	10,730 %	3,559 %	4,429 %	7,678 %	2,861 %	2,229 %
20	10,582 %	3,581 %	4,458 %	7,591 %	2,882 %	2,244 %
21	10,435 %	3,603 %	4,480 %	7,504 %	2,905 %	2,266 %
22	10,290 %	3,624 %	4,496 %	7,418 %	2,929 %	2,293 %
23	10,148 %	3,644 %	4,507 %	7,333 %	2,953 %	2,324 %
24	10,009 %	3,664 %	4,514 %	7,250 %	2,978 %	2,358 %
25	9,874 %	3,682 %	4,519 %	7,169 %	3,003 %	2,394 %
26	9,743 %	3,700 %	4,520 %	7,090 %	3,028 %	2,430 %
27	9,617 %	3,717 %	4,520 %	7,014 %	3,052 %	2,467 %
28	9,495 %	3,734 %	4,517 %	6,940 %	3,076 %	2,504 %
29	9,377 %	3,750 %	4,514 %	6,870 %	3,100 %	2,541 %
30	9,265 %	3,765 %	4,509 %	6,801 %	3,123 %	2,577 %
31	9,156 %	3,780 %	4,504 %	6,735 %	3,145 %	2,612 %
32	9,053 %	3,794 %	4,498 %	6,672 %	3,167 %	2,646 %
33	8,953 %	3,807 %	4,491 %	6,611 %	3,188 %	2,680 %
34	8,858 %	3,820 %	4,485 %	6,553 %	3,208 %	2,712 %
35	8,766 %	3,833 %	4,478 %	6,497 %	3,227 %	2,744 %
36	8,679 %	3,845 %	4,470 %	6,444 %	3,246 %	2,774 %
37	8,595 %	3,856 %	4,463 %	6,392 %	3,265 %	2,804 %
38	8,515 %	3,867 %	4,456 %	6,343 %	3,282 %	2,832 %
39	8,438 %	3,878 %	4,448 %	6,295 %	3,299 %	2,860 %

Term to maturity (in years)	Real	Renminbi-yuan	Ringgit	Russian rouble	Singapore dollar	South Korean won
40	8,364 %	3,888 %	4,441 %	6,250 %	3,316 %	2,886 %
41	8,294 %	3,898 %	4,434 %	6,206 %	3,332 %	2,912 %
42	8,226 %	3,908 %	4,427 %	6,164 %	3,347 %	2,936 %
43	8,161 %	3,917 %	4,420 %	6,124 %	3,362 %	2,960 %
44	8,099 %	3,926 %	4,413 %	6,085 %	3,376 %	2,983 %
45	8,039 %	3,934 %	4,406 %	6,048 %	3,390 %	3,005 %
46	7,981 %	3,942 %	4,399 %	6,012 %	3,403 %	3,026 %
47	7,926 %	3,950 %	4,393 %	5,978 %	3,416 %	3,047 %
48	7,873 %	3,958 %	4,387 %	5,945 %	3,428 %	3,067 %
49	7,822 %	3,966 %	4,381 %	5,913 %	3,440 %	3,086 %
50	7,773 %	3,973 %	4,375 %	5,882 %	3,452 %	3,104 %
51	7,726 %	3,980 %	4,369 %	5,853 %	3,463 %	3,122 %
52	7,680 %	3,986 %	4,363 %	5,824 %	3,474 %	3,139 %
53	7,636 %	3,993 %	4,358 %	5,797 %	3,484 %	3,156 %
54	7,594 %	3,999 %	4,353 %	5,770 %	3,494 %	3,172 %
55	7,553 %	4,005 %	4,347 %	5,745 %	3,504 %	3,188 %
56	7,514 %	4,011 %	4,342 %	5,720 %	3,513 %	3,203 %
57	7,476 %	4,017 %	4,338 %	5,696 %	3,523 %	3,217 %
58	7,439 %	4,022 %	4,333 %	5,673 %	3,531 %	3,231 %
59	7,404 %	4,028 %	4,328 %	5,650 %	3,540 %	3,245 %
60	7,369 %	4,033 %	4,324 %	5,629 %	3,548 %	3,258 %
61	7,336 %	4,038 %	4,319 %	5,608 %	3,556 %	3,271 %
62	7,304 %	4,043 %	4,315 %	5,588 %	3,564 %	3,283 %
63	7,273 %	4,047 %	4,311 %	5,568 %	3,572 %	3,295 %
64	7,242 %	4,052 %	4,307 %	5,549 %	3,579 %	3,307 %
65	7,213 %	4,056 %	4,303 %	5,531 %	3,586 %	3,318 %
66	7,185 %	4,061 %	4,300 %	5,513 %	3,593 %	3,329 %
67	7,157 %	4,065 %	4,296 %	5,495 %	3,600 %	3,340 %
68	7,131 %	4,069 %	4,292 %	5,478 %	3,606 %	3,350 %
69	7,105 %	4,073 %	4,289 %	5,462 %	3,613 %	3,360 %
70	7,079 %	4,077 %	4,286 %	5,446 %	3,619 %	3,370 %
71	7,055 %	4,081 %	4,282 %	5,431 %	3,625 %	3,379 %
72	7,031 %	4,084 %	4,279 %	5,416 %	3,631 %	3,389 %
73	7,008 %	4,088 %	4,276 %	5,401 %	3,636 %	3,398 %
74	6,985 %	4,092 %	4,273 %	5,387 %	3,642 %	3,406 %
75	6,963 %	4,095 %	4,270 %	5,373 %	3,647 %	3,415 %
76	6,942 %	4,098 %	4,267 %	5,359 %	3,653 %	3,423 %
77	6,921 %	4,101 %	4,264 %	5,346 %	3,658 %	3,431 %
78	6,901 %	4,105 %	4,262 %	5,333 %	3,663 %	3,439 %
79	6,881 %	4,108 %	4,259 %	5,321 %	3,668 %	3,447 %

Term to maturity (in years)	Real	Renminbi-yuan	Ringgit	Russian rouble	Singapore dollar	South Korean won
80	6,862 %	4,111 %	4,256 %	5,309 %	3,672 %	3,454 %
81	6,843 %	4,114 %	4,254 %	5,297 %	3,677 %	3,462 %
82	6,825 %	4,117 %	4,251 %	5,285 %	3,682 %	3,469 %
83	6,807 %	4,119 %	4,249 %	5,274 %	3,686 %	3,476 %
84	6,789 %	4,122 %	4,247 %	5,263 %	3,690 %	3,483 %
85	6,772 %	4,125 %	4,244 %	5,252 %	3,695 %	3,489 %
86	6,756 %	4,127 %	4,242 %	5,242 %	3,699 %	3,496 %
87	6,739 %	4,130 %	4,240 %	5,231 %	3,703 %	3,502 %
88	6,723 %	4,132 %	4,238 %	5,221 %	3,707 %	3,508 %
89	6,708 %	4,135 %	4,235 %	5,211 %	3,710 %	3,514 %
90	6,693 %	4,137 %	4,233 %	5,202 %	3,714 %	3,520 %
91	6,678 %	4,139 %	4,231 %	5,192 %	3,718 %	3,526 %
92	6,663 %	4,142 %	4,229 %	5,183 %	3,721 %	3,532 %
93	6,649 %	4,144 %	4,228 %	5,174 %	3,725 %	3,537 %
94	6,635 %	4,146 %	4,226 %	5,165 %	3,728 %	3,543 %
95	6,622 %	4,148 %	4,224 %	5,157 %	3,732 %	3,548 %
96	6,608 %	4,150 %	4,222 %	5,148 %	3,735 %	3,553 %
97	6,595 %	4,152 %	4,220 %	5,140 %	3,738 %	3,559 %
98	6,583 %	4,154 %	4,218 %	5,132 %	3,742 %	3,564 %
99	6,570 %	4,156 %	4,217 %	5,124 %	3,745 %	3,568 %
100	6,558 %	4,158 %	4,215 %	5,116 %	3,748 %	3,573 %
101	6,546 %	4,160 %	4,213 %	5,109 %	3,751 %	3,578 %
102	6,534 %	4,162 %	4,212 %	5,101 %	3,754 %	3,583 %
103	6,522 %	4,164 %	4,210 %	5,094 %	3,756 %	3,587 %
104	6,511 %	4,166 %	4,209 %	5,087 %	3,759 %	3,592 %
105	6,500 %	4,167 %	4,207 %	5,080 %	3,762 %	3,596 %
106	6,489 %	4,169 %	4,206 %	5,073 %	3,765 %	3,600 %
107	6,478 %	4,171 %	4,204 %	5,066 %	3,767 %	3,604 %
108	6,468 %	4,173 %	4,203 %	5,059 %	3,770 %	3,608 %
109	6,457 %	4,174 %	4,201 %	5,053 %	3,773 %	3,613 %
110	6,447 %	4,176 %	4,200 %	5,046 %	3,775 %	3,616 %
111	6,437 %	4,177 %	4,199 %	5,040 %	3,778 %	3,620 %
112	6,428 %	4,179 %	4,197 %	5,034 %	3,780 %	3,624 %
113	6,418 %	4,180 %	4,196 %	5,028 %	3,782 %	3,628 %
114	6,409 %	4,182 %	4,195 %	5,022 %	3,785 %	3,632 %
115	6,399 %	4,183 %	4,194 %	5,016 %	3,787 %	3,635 %
116	6,390 %	4,185 %	4,192 %	5,010 %	3,789 %	3,639 %
117	6,381 %	4,186 %	4,191 %	5,005 %	3,792 %	3,642 %
118	6,373 %	4,188 %	4,190 %	4,999 %	3,794 %	3,646 %
119	6,364 %	4,189 %	4,189 %	4,994 %	3,796 %	3,649 %

Term to maturity (in years)	Real	Renminbi-yuan	Ringgit	Russian rouble	Singapore dollar	South Korean won
120	6,355 %	4,190 %	4,188 %	4,988 %	3,798 %	3,653 %
121	6,347 %	4,192 %	4,186 %	4,983 %	3,800 %	3,656 %
122	6,339 %	4,193 %	4,185 %	4,978 %	3,802 %	3,659 %
123	6,331 %	4,194 %	4,184 %	4,973 %	3,804 %	3,662 %
124	6,323 %	4,195 %	4,183 %	4,968 %	3,806 %	3,665 %
125	6,315 %	4,197 %	4,182 %	4,963 %	3,808 %	3,668 %
126	6,307 %	4,198 %	4,181 %	4,958 %	3,810 %	3,671 %
127	6,300 %	4,199 %	4,180 %	4,953 %	3,812 %	3,674 %
128	6,292 %	4,200 %	4,179 %	4,948 %	3,814 %	3,677 %
129	6,285 %	4,201 %	4,178 %	4,944 %	3,816 %	3,680 %
130	6,278 %	4,203 %	4,177 %	4,939 %	3,817 %	3,683 %
131	6,271 %	4,204 %	4,176 %	4,934 %	3,819 %	3,686 %
132	6,264 %	4,205 %	4,175 %	4,930 %	3,821 %	3,689 %
133	6,257 %	4,206 %	4,174 %	4,926 %	3,823 %	3,691 %
134	6,250 %	4,207 %	4,173 %	4,921 %	3,824 %	3,694 %
135	6,243 %	4,208 %	4,172 %	4,917 %	3,826 %	3,697 %
136	6,237 %	4,209 %	4,171 %	4,913 %	3,828 %	3,699 %
137	6,230 %	4,210 %	4,170 %	4,909 %	3,829 %	3,702 %
138	6,224 %	4,211 %	4,170 %	4,905 %	3,831 %	3,704 %
139	6,217 %	4,212 %	4,169 %	4,901 %	3,832 %	3,707 %
140	6,211 %	4,213 %	4,168 %	4,897 %	3,834 %	3,709 %
141	6,205 %	4,214 %	4,167 %	4,893 %	3,835 %	3,712 %
142	6,199 %	4,215 %	4,166 %	4,889 %	3,837 %	3,714 %
143	6,193 %	4,216 %	4,165 %	4,885 %	3,838 %	3,716 %
144	6,187 %	4,217 %	4,165 %	4,882 %	3,840 %	3,719 %
145	6,181 %	4,218 %	4,164 %	4,878 %	3,841 %	3,721 %
146	6,176 %	4,219 %	4,163 %	4,874 %	3,843 %	3,723 %
147	6,170 %	4,220 %	4,162 %	4,871 %	3,844 %	3,725 %
148	6,165 %	4,220 %	4,162 %	4,867 %	3,846 %	3,728 %
149	6,159 %	4,221 %	4,161 %	4,864 %	3,847 %	3,730 %
150	6,154 %	4,222 %	4,160 %	4,860 %	3,848 %	3,732 %

Term to maturity (in years)	Turkish lira	US dollar	Yen
1	20,105 %	2,481 %	- 0,078 %
2	19,485 %	2,672 %	- 0,060 %
3	18,336 %	2,743 %	- 0,042 %
4	17,578 %	2,765 %	- 0,026 %
5	17,191 %	2,773 %	- 0,003 %
6	16,317 %	2,779 %	0,024 %
7	15,430 %	2,785 %	0,053 %
8	14,943 %	2,795 %	0,084 %
9	14,716 %	2,807 %	0,116 %

Term to maturity (in years)	Turkish lira	US dollar	Yen
10	14,579 %	2,819 %	0,152 %
11	14,429 %	2,836 %	0,190 %
12	14,254 %	2,841 %	0,229 %
13	14,061 %	2,845 %	0,268 %
14	13,855 %	2,850 %	0,307 %
15	13,640 %	2,855 %	0,345 %
16	13,420 %	2,857 %	0,382 %
17	13,196 %	2,857 %	0,417 %
18	12,973 %	2,856 %	0,450 %
19	12,750 %	2,854 %	0,482 %
20	12,531 %	2,852 %	0,512 %
21	12,315 %	2,850 %	0,540 %
22	12,105 %	2,847 %	0,566 %
23	11,900 %	2,843 %	0,588 %
24	11,701 %	2,838 %	0,607 %
25	11,510 %	2,833 %	0,621 %
26	11,325 %	2,826 %	0,632 %
27	11,147 %	2,819 %	0,642 %
28	10,976 %	2,812 %	0,653 %
29	10,812 %	2,805 %	0,669 %
30	10,655 %	2,799 %	0,691 %
31	10,504 %	2,794 %	0,719 %
32	10,360 %	2,789 %	0,754 %
33	10,223 %	2,785 %	0,792 %
34	10,091 %	2,780 %	0,832 %
35	9,965 %	2,775 %	0,875 %
36	9,845 %	2,769 %	0,919 %
37	9,729 %	2,763 %	0,963 %
38	9,619 %	2,755 %	1,008 %
39	9,514 %	2,747 %	1,053 %
40	9,413 %	2,736 %	1,097 %
41	9,317 %	2,725 %	1,140 %
42	9,224 %	2,713 %	1,183 %
43	9,136 %	2,701 %	1,225 %
44	9,051 %	2,690 %	1,266 %
45	8,970 %	2,680 %	1,306 %
46	8,892 %	2,672 %	1,345 %
47	8,817 %	2,666 %	1,383 %
48	8,745 %	2,663 %	1,419 %
49	8,676 %	2,662 %	1,455 %

Term to maturity (in years)	Turkish lira	US dollar	Yen
50	8,609 %	2,664 %	1,490 %
51	8,545 %	2,669 %	1,524 %
52	8,483 %	2,676 %	1,557 %
53	8,424 %	2,686 %	1,588 %
54	8,367 %	2,696 %	1,619 %
55	8,312 %	2,708 %	1,649 %
56	8,258 %	2,721 %	1,678 %
57	8,207 %	2,735 %	1,706 %
58	8,157 %	2,750 %	1,733 %
59	8,109 %	2,764 %	1,760 %
60	8,063 %	2,779 %	1,785 %
61	8,018 %	2,795 %	1,810 %
62	7,975 %	2,810 %	1,834 %
63	7,933 %	2,826 %	1,858 %
64	7,892 %	2,841 %	1,881 %
65	7,852 %	2,856 %	1,903 %
66	7,814 %	2,872 %	1,924 %
67	7,777 %	2,887 %	1,945 %
68	7,741 %	2,902 %	1,966 %
69	7,706 %	2,916 %	1,985 %
70	7,672 %	2,931 %	2,005 %
71	7,639 %	2,945 %	2,023 %
72	7,607 %	2,959 %	2,041 %
73	7,576 %	2,973 %	2,059 %
74	7,545 %	2,986 %	2,076 %
75	7,516 %	3,000 %	2,093 %
76	7,487 %	3,013 %	2,110 %
77	7,459 %	3,025 %	2,125 %
78	7,432 %	3,038 %	2,141 %
79	7,405 %	3,050 %	2,156 %
80	7,379 %	3,062 %	2,171 %
81	7,354 %	3,074 %	2,185 %
82	7,329 %	3,085 %	2,200 %
83	7,305 %	3,097 %	2,213 %
84	7,282 %	3,108 %	2,227 %
85	7,259 %	3,118 %	2,240 %
86	7,236 %	3,129 %	2,253 %
87	7,215 %	3,139 %	2,265 %
88	7,193 %	3,150 %	2,277 %
89	7,172 %	3,159 %	2,289 %

Term to maturity (in years)	Turkish lira	US dollar	Yen
90	7,152 %	3,169 %	2,301 %
91	7,132 %	3,179 %	2,313 %
92	7,112 %	3,188 %	2,324 %
93	7,093 %	3,197 %	2,335 %
94	7,075 %	3,206 %	2,346 %
95	7,056 %	3,215 %	2,356 %
96	7,038 %	3,224 %	2,366 %
97	7,021 %	3,232 %	2,376 %
98	7,004 %	3,240 %	2,386 %
99	6,987 %	3,248 %	2,396 %
100	6,970 %	3,256 %	2,406 %
101	6,954 %	3,264 %	2,415 %
102	6,938 %	3,272 %	2,424 %
103	6,923 %	3,279 %	2,433 %
104	6,908 %	3,287 %	2,442 %
105	6,893 %	3,294 %	2,450 %
106	6,878 %	3,301 %	2,459 %
107	6,864 %	3,308 %	2,467 %
108	6,849 %	3,315 %	2,475 %
109	6,836 %	3,321 %	2,483 %
110	6,822 %	3,328 %	2,491 %
111	6,809 %	3,335 %	2,499 %
112	6,795 %	3,341 %	2,506 %
113	6,783 %	3,347 %	2,514 %
114	6,770 %	3,353 %	2,521 %
115	6,758 %	3,359 %	2,528 %
116	6,745 %	3,365 %	2,535 %
117	6,733 %	3,371 %	2,542 %
118	6,722 %	3,377 %	2,549 %
119	6,710 %	3,382 %	2,556 %
120	6,699 %	3,388 %	2,562 %
121	6,687 %	3,393 %	2,569 %
122	6,676 %	3,399 %	2,575 %
123	6,665 %	3,404 %	2,581 %
124	6,655 %	3,409 %	2,588 %
125	6,644 %	3,414 %	2,594 %
126	6,634 %	3,419 %	2,600 %
127	6,624 %	3,424 %	2,606 %
128	6,614 %	3,429 %	2,611 %
129	6,604 %	3,434 %	2,617 %

Term to maturity (in years)	Turkish lira	US dollar	Yen
130	6,594 %	3,439 %	2,623 %
131	6,585 %	3,443 %	2,628 %
132	6,575 %	3,448 %	2,634 %
133	6,566 %	3,453 %	2,639 %
134	6,557 %	3,457 %	2,644 %
135	6,548 %	3,461 %	2,650 %
136	6,539 %	3,466 %	2,655 %
137	6,530 %	3,470 %	2,660 %
138	6,522 %	3,474 %	2,665 %
139	6,513 %	3,478 %	2,670 %
140	6,505 %	3,482 %	2,674 %
141	6,497 %	3,486 %	2,679 %
142	6,488 %	3,490 %	2,684 %
143	6,480 %	3,494 %	2,689 %
144	6,473 %	3,498 %	2,693 %
145	6,465 %	3,502 %	2,698 %
146	6,457 %	3,506 %	2,702 %
147	6,450 %	3,509 %	2,707 %
148	6,442 %	3,513 %	2,711 %
149	6,435 %	3,516 %	2,715 %
150	6,427 %	3,520 %	2,719 %

## 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	33	5	0	26	1
2	0	0	41	5	1	44	1
3	0	1	46	5	2	49	0
4	0	3	49	5	4	50	0
5	0	4	54	5	5	53	0
6	1	5	56	5	7	55	0
7	2	6	60	5	9	56	0
8	3	7	61	5	12	56	0
9	3	8	63	5	13	53	0
10	4	9	65	5	14	52	0

Duration (in years)	Estonia	Finland	France	Germany	Greece	Hungary	Ireland
1	0	0	0	0	415	4	17
2	0	0	0	0	255	4	24
3	1	0	0	0	225	4	27
4	3	0	0	0	195	4	28
5	4	0	0	0	178	4	29
6	5	0	0	0	175	4	30
7	6	0	0	0	171	4	31
8	7	0	1	0	176	2	32
9	8	1	2	0	178	1	32
10	9	1	3	0	180	4	33

Duration (in years)	Italy	Latvia	Lithuania	Luxembourg	Malta	Netherlands	Poland
1	6	5	5	0	17	0	4
2	14	12	12	0	24	0	4
3	18	15	16	0	27	0	4
4	20	17	17	0	28	0	4
5	22	19	20	0	29	0	4

Duration (in years)	Italy	Latvia	Lithuania	Luxembourg	Malta	Netherlands	Poland
6	23	20	21	0	30	0	4
7	25	22	22	0	31	0	4
8	26	23	24	1	32	0	4
9	28	24	25	2	32	0	4
10	29	25	26	3	33	0	4

Duration (in years)	Portugal	Romania	Slovakia	Slovenia	Spain	Sweden	United Kingdom
1	26	10	13	20	5	0	0
2	44	18	17	23	12	0	0
3	49	20	19	27	16	0	0
4	50	21	21	32	17	0	0
5	53	23	22	35	20	0	0
6	55	24	23	39	21	0	0
7	56	26	25	40	22	0	0
8	56	28	26	42	24	0	0
9	53	29	26	42	25	0	0
10	52	27	26	42	26	0	0

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

Duration (in years)	China	Colombia	Hong Kong	India	Japan	Malaysia	Mexico
1	0	11	0	9	0	0	9
2	0	18	0	9	0	0	9
3	1	30	0	9	0	0	9
4	2	38	0	9	0	0	10
5	2	40	0	9	0	0	10
6	3	43	0	9	0	0	10
7	3	45	0	9	0	0	10
8	7	43	0	9	0	0	10
9	5	40	0	9	1	0	10
10	5	43	0	9	1	0	10

Duration (in years)	New Zealand	Russia	Singapore	South Africa	South Korea	Thailand	Taiwan
1	0	0	0	4	10	0	4
2	0	0	0	7	12	0	4
3	0	0	0	7	12	0	4
4	0	0	0	6	14	0	4
5	0	2	0	5	15	0	4
6	0	5	0	6	15	0	4
7	0	8	0	7	16	0	4
8	0	12	0	8	16	0	4
9	0	19	0	9	16	0	4
10	0	19	0	10	16	0	4

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

## 2. Exposures to financial institutions

### 2.1 Euro

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	6	21	46	124	238	572	1 182
2	6	21	46	124	238	572	970
3	7	23	47	116	234	568	804
4	8	25	50	118	233	567	674
5	10	28	55	121	233	567	571
6	11	30	59	126	233	567	567
7	12	33	60	128	233	567	567
8	12	34	60	127	233	567	567
9	12	34	60	126	233	567	567
10	13	36	60	126	233	567	567
11	13	37	60	126	233	567	567
12	14	38	60	126	233	567	567
13	14	38	60	126	233	567	567
14	14	38	60	126	233	567	567

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
15	14	38	60	126	233	567	567
16	14	38	60	126	233	567	567
17	14	38	60	126	233	567	567
18	14	38	60	126	233	567	567
19	14	38	60	126	233	567	567
20	15	38	60	126	233	567	567
21	15	38	60	126	233	567	567
22	16	38	60	126	233	567	567
23	17	38	60	126	233	567	567
24	18	38	60	126	233	567	567
25	18	38	60	126	233	567	567
26	19	38	60	126	233	567	567
27	20	38	60	126	233	567	567
28	21	38	60	126	233	567	567
29	21	38	60	126	233	567	567
30	22	38	60	126	233	567	567

## 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	11	26	51	129	243	577	1 212
2	13	28	53	131	245	579	997
3	14	30	55	124	241	575	826
4	16	33	57	126	240	574	692
5	17	35	62	128	240	574	587
6	17	37	65	132	239	573	573
7	18	39	66	134	238	573	573
8	17	39	65	132	238	572	572
9	17	39	65	131	238	572	572
10	17	40	65	130	237	571	571
11	17	41	64	129	237	571	571
12	17	41	64	129	236	570	570
13	17	41	63	128	235	570	570
14	17	41	63	128	235	569	569
15	16	40	62	127	235	569	569
16	16	40	61	127	234	568	568
17	15	39	61	127	234	568	568
18	15	39	61	126	234	568	568
19	15	39	61	126	234	568	568

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	16	40	62	127	234	568	568
21	16	40	62	127	234	568	568
22	17	40	62	127	235	569	569
23	18	40	62	128	235	569	569
24	18	41	62	128	235	569	569
25	19	41	62	128	235	569	569
26	19	41	62	128	235	569	569
27	21	41	62	128	235	569	569
28	21	41	62	128	235	569	569
29	21	41	62	128	235	569	569
30	22	41	62	128	235	569	569

### 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	46	124	237	572	1 181
2	6	21	46	124	237	572	969
3	7	23	47	116	234	568	803
4	8	25	50	118	233	567	673
5	9	28	55	121	232	567	571
6	11	30	58	126	232	567	567
7	12	33	60	128	232	567	567
8	12	33	60	127	232	567	567
9	12	34	60	126	232	567	567
10	13	35	60	125	232	567	567
11	13	36	60	125	232	567	567
12	14	37	60	125	232	567	567
13	14	38	60	125	232	567	567
14	14	38	60	125	232	567	567
15	14	38	60	125	232	567	567
16	14	38	60	125	232	567	567
17	14	38	60	125	232	567	567
18	14	38	60	125	232	567	567
19	14	38	60	125	232	567	567
20	15	38	60	125	232	567	567
21	15	38	60	125	232	567	567
22	16	38	60	125	232	567	567
23	17	38	60	125	232	567	567
24	18	38	60	125	232	567	567

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	18	38	60	125	232	567	567
26	19	38	60	125	232	567	567
27	20	38	60	125	232	567	567
28	21	38	60	125	232	567	567
29	21	38	60	125	232	567	567
30	22	38	60	125	232	567	567

## 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	84	99	124	202	316	650	1 201
2	79	94	120	197	311	645	995
3	83	99	123	192	310	644	827
4	82	99	123	192	306	640	694
5	81	99	126	192	303	638	638
6	80	99	127	195	301	635	635
7	79	99	127	195	299	633	633
8	77	99	125	192	298	632	632
9	76	98	124	190	296	631	631
10	73	96	120	185	293	627	627
11	70	94	117	183	290	624	624
12	69	93	116	181	288	622	622
13	69	93	115	180	287	622	622
14	69	93	115	180	287	621	621
15	68	92	114	179	287	621	621
16	68	92	113	179	286	620	620
17	67	91	113	178	285	619	619
18	66	90	112	178	285	619	619
19	65	89	111	177	284	618	618
20	65	89	111	176	283	617	617
21	64	88	110	175	282	617	617
22	63	87	109	174	282	616	616
23	62	86	108	174	281	615	615
24	61	85	107	172	280	614	614
25	60	84	106	171	279	613	613
26	59	83	105	170	277	612	612
27	58	82	104	169	276	610	610
28	57	81	103	168	275	609	609
29	56	80	102	167	274	608	608
30	55	79	101	166	273	607	607

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	9	24	50	127	241	575	1 180
2	11	26	52	129	243	577	970
3	14	30	54	123	241	574	804
4	15	33	57	125	240	574	674
5	17	35	62	128	240	574	574
6	18	38	66	133	240	574	574
7	19	40	67	135	240	574	574
8	18	40	66	133	239	573	573
9	18	40	66	132	239	573	573
10	18	41	66	131	238	572	572
11	18	42	65	131	238	572	572
12	18	42	65	130	237	571	571
13	19	42	65	130	237	571	571
14	18	42	64	130	237	571	571
15	18	42	64	129	236	571	571
16	18	42	64	129	236	570	570
17	17	42	63	129	236	570	570
18	17	41	63	129	236	570	570
19	18	42	63	129	236	570	570
20	18	42	64	129	236	570	570
21	18	42	64	130	237	571	571
22	19	43	64	130	237	571	571
23	19	43	65	130	237	571	571
24	19	43	65	130	237	571	571
25	19	43	65	130	237	571	571
26	19	43	65	130	237	571	571
27	20	43	65	130	237	571	571
28	21	43	65	130	237	571	571
29	21	43	65	130	237	571	571
30	22	43	64	130	237	571	571

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	51	66	92	169	283	617	1 188
2	55	70	95	173	287	621	978
3	60	77	101	170	288	621	813
4	64	81	106	174	289	623	682

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	66	85	112	178	289	623	623
6	67	87	115	182	289	623	623
7	68	89	116	184	288	622	622
8	67	88	115	181	287	621	621
9	65	88	113	179	286	620	620
10	64	87	112	177	284	618	618
11	63	87	110	176	283	617	617
12	62	86	109	174	281	615	615
13	61	85	107	172	280	614	614
14	60	84	106	171	278	612	612
15	59	83	105	170	277	611	611
16	58	82	103	169	276	610	610
17	57	81	103	168	275	609	609
18	56	80	102	167	274	608	608
19	55	79	101	166	273	608	608
20	54	79	100	166	273	607	607
21	54	78	100	165	272	606	606
22	53	77	99	164	271	605	605
23	52	76	98	163	271	605	605
24	51	75	97	163	270	604	604
25	51	75	96	162	269	603	603
26	50	74	96	161	268	602	602
27	49	73	95	160	267	601	601
28	48	72	94	159	266	600	600
29	47	71	93	158	265	600	600
30	46	70	92	157	265	599	599

## 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	45	123	237	571	1 181
2	5	20	45	123	237	571	969
3	6	22	46	115	233	567	803
4	7	25	49	117	232	566	673
5	9	27	54	120	232	566	571
6	10	30	58	125	232	566	566
7	11	32	60	127	232	566	566
8	11	33	59	126	232	566	566
9	11	33	59	125	232	566	566

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
10	12	35	59	125	232	566	566
11	12	36	59	125	232	566	566
12	13	37	59	125	232	566	566
13	13	37	59	125	232	566	566
14	13	37	59	125	232	566	566
15	13	37	59	125	232	566	566
16	13	37	59	125	232	566	566
17	13	37	59	125	232	566	566
18	14	37	59	125	232	566	566
19	14	37	59	125	232	566	566
20	15	37	59	125	232	566	566
21	15	37	59	125	232	566	566
22	16	37	59	125	232	566	566
23	17	37	59	125	232	566	566
24	18	38	59	125	232	566	566
25	18	38	59	125	232	566	566
26	19	38	59	125	232	566	566
27	20	38	59	125	232	566	566
28	21	38	59	125	232	566	566
29	21	38	59	125	232	566	566
30	22	38	59	125	232	566	566

## 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	57	156	256	590	1 203
2	7	25	57	156	256	590	988
3	8	27	56	140	252	586	819
4	10	29	58	129	250	584	686
5	11	31	59	117	249	583	583
6	14	34	62	109	248	582	582
7	15	37	62	101	246	580	580
8	16	38	61	93	245	579	579
9	19	45	64	87	244	578	578
10	18	45	62	84	243	577	577
11	17	44	60	83	243	577	577
12	17	43	61	84	242	576	576
13	17	44	61	84	241	575	575
14	17	44	61	84	240	574	574

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
15	17	44	61	84	239	573	573
16	17	44	61	84	238	572	572
17	17	44	61	84	237	571	571
18	17	44	61	84	236	571	571
19	17	44	61	84	236	570	570
20	17	44	61	84	237	571	571
21	17	44	61	84	237	571	571
22	17	44	61	84	237	571	571
23	18	44	61	84	236	571	571
24	18	44	61	84	236	570	570
25	18	44	61	84	235	569	569
26	19	44	61	84	235	569	569
27	20	44	61	84	235	569	569
28	21	44	61	84	234	568	568
29	21	44	61	84	234	568	568
30	22	44	61	84	233	567	567

## 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	87	101	127	205	318	653	1 254
2	84	99	125	202	316	650	1 035
3	83	99	124	193	310	644	860
4	82	99	124	192	307	641	722
5	81	99	126	192	304	638	638
6	80	99	128	195	301	636	636
7	78	99	127	194	299	633	633
8	76	97	124	190	296	630	630
9	73	95	121	187	294	628	628
10	72	95	119	185	292	626	626
11	71	94	118	183	290	624	624
12	70	93	116	181	289	623	623
13	68	92	115	180	287	621	621
14	67	91	113	178	285	619	619
15	66	90	112	177	284	618	618
16	64	88	110	176	283	617	617
17	63	87	109	174	282	616	616
18	62	86	108	174	281	615	615
19	61	85	107	173	280	614	614

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	61	85	107	172	279	613	613
21	60	84	106	171	278	612	612
22	59	83	105	170	277	611	611
23	58	82	104	169	276	610	610
24	57	81	103	168	275	609	609
25	56	80	102	167	274	608	608
26	55	79	101	166	273	607	607
27	54	78	100	165	272	606	606
28	53	77	99	164	271	605	605
29	52	76	98	163	270	604	604
30	51	75	97	162	269	603	603

## 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	60	75	100	178	292	626	1 211
2	59	73	99	177	290	624	996
3	58	75	99	168	285	619	828
4	58	76	100	169	283	617	695
5	58	76	103	169	281	615	615
6	57	77	105	172	279	613	613
7	57	77	105	173	277	611	611
8	55	76	103	170	276	610	610
9	53	76	101	167	274	608	608
10	53	76	100	166	273	607	607
11	52	76	99	164	272	606	606
12	52	76	98	164	271	605	605
13	52	75	98	163	270	604	604
14	51	75	97	162	269	603	603
15	50	74	96	162	269	603	603
16	49	73	95	160	268	602	602
17	49	73	95	160	267	601	601
18	48	72	94	159	266	600	600
19	47	71	93	159	266	600	600
20	47	71	93	158	266	600	600
21	47	71	93	158	265	599	599
22	47	71	92	158	265	599	599
23	46	70	92	157	264	598	598
24	45	69	91	157	264	598	598

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	45	69	91	156	263	597	597
26	44	68	90	155	262	596	596
27	43	67	89	155	262	596	596
28	43	67	89	154	261	595	595
29	42	66	88	153	260	594	594
30	41	65	87	153	260	594	594

## 2.11 Norwegian krone

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	31	45	71	149	262	596	1 209
2	31	46	72	149	263	597	994
3	31	47	72	141	258	592	824
4	32	49	73	142	256	590	691
5	32	51	78	144	255	589	589
6	33	52	80	148	254	588	588
7	33	54	81	149	253	588	588
8	32	54	80	147	253	587	587
9	31	54	79	145	252	586	586
10	31	54	79	144	251	585	585
11	31	55	78	143	250	585	585
12	31	55	77	143	250	584	584
13	30	54	76	142	249	583	583
14	30	54	76	141	248	582	582
15	29	53	75	140	247	582	582
16	28	52	74	139	246	581	581
17	28	52	74	139	246	580	580
18	27	51	73	138	246	580	580
19	27	51	73	138	245	579	579
20	27	51	73	138	245	579	579
21	27	51	73	138	245	579	579
22	27	51	73	138	245	579	579
23	27	51	73	138	245	579	579
24	27	51	73	138	245	579	579
25	26	51	72	138	245	579	579
26	26	50	72	137	245	579	579
27	26	50	72	137	244	578	578
28	26	50	72	137	244	578	578
29	25	50	71	137	244	578	578
30	25	49	71	136	243	578	578

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	26	104	217	552	1 174
2	1	5	27	105	218	552	964
3	2	5	28	97	215	549	799
4	3	6	31	99	214	548	670
5	4	9	36	102	214	548	568
6	4	11	40	107	214	548	548
7	5	14	41	109	213	548	548
8	6	14	41	108	213	548	548
9	7	15	41	107	213	548	548
10	8	16	41	106	213	547	547
11	8	19	42	107	215	549	549
12	9	18	41	106	213	547	547
13	10	20	42	107	214	548	548
14	11	20	42	107	214	548	548
15	11	18	40	106	213	547	547
16	12	17	39	105	212	546	546
17	12	17	39	105	212	546	546
18	14	17	39	105	212	546	546
19	14	19	40	105	212	546	546
20	15	19	40	106	213	547	547
21	15	20	41	106	213	547	547
22	16	20	41	106	213	547	547
23	17	22	41	106	213	547	547
24	18	22	41	106	213	547	547
25	18	23	42	106	213	547	547
26	19	23	43	106	213	547	547
27	19	25	45	106	213	547	547
28	21	25	46	106	213	547	547
29	21	26	47	106	213	547	547
30	22	27	48	106	213	547	547

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	62	88	165	279	613	1 225
2	47	62	88	165	279	613	1 005
3	48	64	88	157	275	609	832
4	48	65	90	158	273	607	697

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	49	67	94	160	272	606	606
6	49	68	96	164	270	604	604
7	49	70	97	165	269	603	603
8	48	69	96	162	268	602	602
9	47	69	94	160	267	601	601
10	46	69	94	159	266	600	600
11	46	69	93	158	265	599	599
12	46	69	92	157	265	599	599
13	45	69	91	157	264	598	598
14	45	69	91	156	263	597	597
15	44	68	90	155	262	597	597
16	43	67	89	154	261	596	596
17	43	67	89	154	261	595	595
18	42	66	88	153	260	594	594
19	42	66	88	153	260	594	594
20	41	65	87	153	260	594	594
21	41	65	87	152	260	594	594
22	41	65	87	152	259	593	593
23	40	64	86	152	259	593	593
24	40	64	86	151	258	592	592
25	39	63	85	150	258	592	592
26	39	63	85	150	257	591	591
27	38	62	84	149	256	590	590
28	37	61	83	149	256	590	590
29	37	61	83	148	255	589	589
30	36	60	82	147	254	589	589

## 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	133	247	581	1 212
2	19	34	60	137	251	585	997
3	24	40	64	133	251	584	827
4	27	45	69	137	252	586	693
5	30	49	76	142	253	587	588
6	29	49	77	144	251	585	585
7	34	55	83	151	255	589	589
8	33	54	81	148	253	588	588
9	34	56	82	147	254	588	588

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
10	36	59	83	149	256	590	590
11	38	61	84	150	257	591	591
12	39	62	85	150	258	592	592
13	40	63	86	151	258	592	592
14	40	64	86	151	258	592	592
15	40	64	86	151	258	593	593
16	40	64	85	151	258	592	592
17	40	64	86	151	258	592	592
18	39	63	85	150	257	591	591
19	38	62	84	150	257	591	591
20	38	62	84	150	257	591	591
21	38	62	84	150	257	591	591
22	38	62	84	149	256	591	591
23	38	62	84	149	256	590	590
24	37	61	83	149	256	590	590
25	37	61	83	148	255	589	589
26	36	61	82	148	255	589	589
27	36	60	82	147	254	588	588
28	35	60	81	147	254	588	588
29	35	59	81	146	253	587	587
30	34	59	80	146	253	587	587

### 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	14	29	55	132	246	580	1 222
2	15	30	56	133	247	581	1 005
3	18	34	58	127	245	578	833
4	19	36	61	129	244	578	698
5	21	39	66	132	244	578	591
6	22	42	70	137	244	578	578
7	23	44	72	139	244	578	578
8	23	45	71	138	244	578	578
9	23	46	71	137	244	578	578
10	24	47	71	137	244	578	578
11	25	48	72	137	244	578	578
12	26	49	72	137	244	578	578
13	26	50	72	137	244	579	579
14	26	50	72	137	245	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
15	26	50	72	138	245	579	579
16	26	50	72	137	244	578	578
17	26	50	72	137	244	579	579
18	26	50	72	137	244	578	578
19	26	50	72	137	244	578	578
20	26	50	72	137	245	579	579
21	26	50	72	137	245	579	579
22	26	50	72	137	244	578	578
23	26	50	72	137	244	578	578
24	25	49	71	137	244	578	578
25	25	49	71	136	243	577	577
26	25	49	71	136	243	577	577
27	24	48	70	135	243	577	577
28	24	48	70	135	242	576	576
29	24	48	70	135	242	576	576
30	23	47	69	134	242	576	576

## 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	90	168	282	616	1 237
2	53	68	93	171	285	619	1 021
3	57	73	97	166	284	618	848
4	59	76	101	169	284	618	711
5	61	79	106	172	284	618	618
6	63	82	110	178	284	618	618
7	64	84	112	180	284	618	618
8	63	84	111	178	284	618	618
9	63	85	111	176	283	617	617
10	63	86	111	176	283	617	617
11	63	87	110	176	283	617	617
12	63	87	110	175	282	616	616
13	63	87	109	174	281	615	615
14	62	86	108	173	280	614	614
15	61	85	107	172	279	613	613
16	60	84	106	171	279	613	613
17	59	83	105	171	278	612	612
18	59	83	105	170	277	611	611
19	58	82	104	169	276	610	610

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	57	81	103	168	276	610	610
21	56	81	102	168	275	609	609
22	56	80	102	167	274	608	608
23	55	79	101	166	273	607	607
24	54	78	100	165	272	606	606
25	53	77	99	164	271	605	605
26	52	76	98	163	270	604	604
27	51	75	97	162	269	604	604
28	50	74	96	161	269	603	603
29	49	73	95	161	268	602	602
30	49	73	94	160	267	601	601

## 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	199	313	647	1 273
2	85	100	126	203	317	651	1 049
3	87	103	127	196	314	648	873
4	87	104	129	197	312	646	732
5	90	109	136	202	313	647	647
6	92	112	140	207	314	648	648
7	93	114	142	210	314	648	648
8	94	116	142	209	315	649	649
9	95	117	143	209	315	650	650
10	96	118	143	208	315	650	650
11	96	119	142	208	315	649	649
12	95	119	142	207	314	648	648
13	94	118	140	206	313	647	647
14	93	117	139	204	311	645	645
15	91	115	137	203	310	644	644
16	90	114	136	201	308	642	642
17	89	113	134	200	307	641	641
18	87	111	133	198	305	640	640
19	86	110	132	197	304	638	638
20	84	109	130	196	303	637	637
21	83	107	129	194	301	636	636
22	82	106	128	193	300	634	634
23	80	104	126	191	298	632	632
24	78	103	124	190	297	631	631

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	77	101	123	188	295	629	629
26	75	99	121	187	294	628	628
27	74	98	120	185	292	626	626
28	72	96	118	183	291	625	625
29	71	95	117	182	289	623	623
30	69	93	115	180	288	622	622

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	7	22	48	125	239	573	1 228
2	11	25	51	129	242	577	1 010
3	14	30	55	124	241	575	837
4	17	35	59	127	242	576	701
5	20	39	66	131	243	577	594
6	22	41	70	137	244	578	578
7	23	44	72	140	244	578	578
8	23	45	71	138	244	578	578
9	24	46	71	137	244	578	578
10	24	47	72	137	244	578	578
11	25	48	72	137	244	578	578
12	25	49	71	137	244	578	578
13	25	49	71	136	243	577	577
14	24	48	70	135	243	577	577
15	24	48	69	135	242	576	576
16	23	47	68	134	241	575	575
17	22	46	68	133	240	575	575
18	22	46	68	133	240	574	574
19	22	46	67	133	240	574	574
20	22	46	68	133	240	574	574
21	22	46	68	133	240	574	574
22	22	46	68	133	240	574	574
23	22	46	68	133	240	574	574
24	22	46	68	133	240	574	574
25	22	46	68	133	240	574	574
26	22	46	67	133	240	574	574
27	21	45	67	133	240	574	574
28	21	45	67	132	239	574	574
29	22	45	67	132	239	573	573
30	22	45	67	132	239	573	573

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	93	108	134	211	325	659	1 322
2	93	108	134	212	325	659	1 088
3	94	110	135	204	321	655	903
4	95	112	137	205	320	654	758
5	96	115	142	208	319	653	653
6	97	116	144	212	318	652	652
7	97	118	146	214	318	652	652
8	97	118	145	212	318	652	652
9	96	118	144	210	317	651	651
10	95	118	142	208	315	649	649
11	94	117	141	206	313	647	647
12	92	116	139	204	311	645	645
13	91	115	137	202	309	643	643
14	89	113	135	200	307	642	642
15	87	111	133	199	306	640	640
16	85	109	131	196	304	638	638
17	84	108	130	195	302	636	636
18	82	106	128	193	300	634	634
19	81	105	127	192	299	633	633
20	80	104	126	191	298	632	632
21	79	103	125	190	297	631	631
22	77	102	123	189	296	630	630
23	76	100	122	188	295	629	629
24	75	99	121	186	293	628	628
25	74	98	120	185	292	626	626
26	73	97	119	184	291	625	625
27	72	96	118	183	290	624	624
28	71	95	117	182	289	623	623
29	70	94	116	181	288	622	622
30	69	93	115	180	287	621	621

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	345	360	385	463	577	911	1 343
2	79	94	119	197	311	645	1 101
3	83	99	123	192	310	644	910
4	86	104	128	196	311	645	761

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	89	107	134	200	312	646	646
6	91	110	139	206	313	647	647
7	92	113	141	209	313	647	647
8	93	115	141	208	314	648	648
9	94	116	141	207	314	648	648
10	94	117	141	207	314	648	648
11	94	118	141	206	314	648	648
12	95	118	141	206	314	648	648
13	95	119	142	207	314	648	648
14	96	120	142	207	314	649	649
15	97	121	143	208	315	649	649
16	98	122	144	209	316	650	650
17	99	123	145	210	317	651	651
18	100	124	146	211	318	652	652
19	101	125	147	212	319	653	653
20	101	126	147	213	320	654	654
21	102	126	148	213	320	654	654
22	101	126	147	213	320	654	654
23	101	125	147	212	319	653	653
24	100	124	146	211	318	653	653
25	99	123	145	210	318	652	652
26	98	122	144	209	316	650	650
27	97	121	143	208	315	649	649
28	96	120	141	207	314	648	648
29	94	118	140	205	313	647	647
30	93	117	139	204	311	645	645

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	114	227	561	1 195
2	1	10	36	113	227	561	981
3	2	12	37	106	223	557	813
4	3	14	39	107	221	555	680
5	4	16	43	109	220	554	576
6	4	17	46	113	219	554	554
7	5	19	47	115	219	553	553
8	7	19	45	112	218	552	552
9	7	19	44	110	217	551	551

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
10	8	20	44	109	217	551	551
11	8	21	44	109	216	551	551
12	9	21	44	109	216	551	551
13	10	22	44	109	216	551	551
14	11	22	44	109	217	551	551
15	11	23	44	110	217	551	551
16	12	23	44	110	217	551	551
17	12	23	45	110	217	551	551
18	14	23	45	111	218	552	552
19	15	24	46	111	218	552	552
20	15	25	47	112	219	553	553
21	16	26	48	113	220	554	554
22	17	26	48	114	221	555	555
23	18	27	49	114	221	555	555
24	18	28	49	115	222	556	556
25	18	28	50	115	222	556	556
26	19	28	50	116	223	557	557
27	20	29	51	116	223	557	557
28	21	29	51	116	223	557	557
29	21	29	51	117	224	558	558
30	22	30	52	117	224	558	558

## 2.22 New Zealand dollar

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	53	68	94	171	285	619	1 224
2	54	69	95	172	286	620	1 005
3	55	71	95	165	282	616	833
4	56	73	97	166	280	614	698
5	56	75	102	168	279	613	613
6	57	76	105	172	279	613	613
7	57	77	105	173	277	611	611
8	56	77	104	171	277	611	611
9	55	78	103	169	276	610	610
10	54	77	102	167	274	608	608
11	54	77	100	166	273	607	607
12	52	76	99	164	271	605	605
13	51	75	97	162	270	604	604
14	50	74	96	161	268	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
15	48	72	94	160	267	601	601
16	47	71	93	158	265	599	599
17	45	69	91	157	264	598	598
18	44	68	90	155	263	597	597
19	43	67	89	155	262	596	596
20	43	67	89	154	261	595	595
21	42	66	88	153	261	595	595
22	42	66	88	153	260	594	594
23	41	65	87	152	259	593	593
24	40	64	86	151	258	593	593
25	39	64	85	151	258	592	592
26	39	63	85	150	257	591	591
27	38	62	84	149	256	590	590
28	37	62	83	149	256	590	590
29	37	61	83	148	255	589	589
30	36	60	82	147	254	589	589

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	115	130	155	233	347	681	1 319
2	116	131	156	234	348	682	1 086
3	118	134	159	228	345	679	901
4	120	137	162	230	345	679	756
5	122	140	167	233	345	679	679
6	123	142	170	238	344	679	679
7	123	144	172	239	344	678	678
8	122	144	170	237	343	677	677
9	122	144	169	235	342	676	676
10	121	144	168	234	341	675	675
11	120	143	167	232	339	673	673
12	119	142	165	230	337	672	672
13	117	141	163	228	335	669	669
14	115	139	161	226	333	667	667
15	113	137	159	224	331	665	665
16	110	134	156	221	328	662	662
17	108	132	154	219	326	660	660
18	105	129	151	217	324	658	658
19	103	127	149	215	322	656	656

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	102	126	148	213	320	654	654
21	100	124	146	211	318	652	652
22	98	122	144	209	316	651	651
23	96	120	142	208	315	649	649
24	95	119	140	206	313	647	647
25	93	117	139	204	311	645	645
26	91	115	137	202	309	643	643
27	89	113	135	200	308	642	642
28	88	112	134	199	306	640	640
29	86	110	132	197	304	638	638
30	85	109	130	196	303	637	637

## 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	173	188	213	291	405	739	1 323
2	182	197	223	300	414	748	1 103
3	187	203	228	297	414	748	922
4	189	207	231	300	414	748	779
5	191	209	236	302	414	748	748
6	190	210	238	305	412	746	746
7	190	211	238	306	411	745	745
8	188	210	236	303	409	743	743
9	187	209	235	301	407	742	742
10	186	209	233	299	406	740	740
11	185	208	232	297	404	738	738
12	183	206	229	294	401	735	735
13	180	204	226	291	398	733	733
14	177	201	223	288	395	729	729
15	174	198	220	285	392	726	726
16	171	195	217	282	389	723	723
17	167	191	213	279	386	720	720
18	164	188	210	275	383	717	717
19	161	185	207	272	379	714	714
20	158	182	204	269	376	711	711
21	155	179	201	266	373	707	707
22	152	176	198	263	370	704	704
23	149	173	195	260	367	701	701
24	146	170	191	257	364	698	698

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	142	166	188	254	361	695	695
26	139	163	185	251	358	692	692
27	136	160	182	248	355	689	689
28	134	158	179	245	352	686	686
29	131	155	177	242	349	683	683
30	128	152	174	239	346	680	680

### 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	28	43	69	146	260	594	1 242
2	29	44	70	147	261	595	1 019
3	30	46	71	140	257	591	845
4	31	48	73	141	256	590	708
5	32	51	78	144	255	589	600
6	32	52	80	147	254	588	588
7	33	54	81	149	253	588	588
8	32	53	80	146	252	586	586
9	31	53	79	145	251	585	585
10	31	54	78	144	251	585	585
11	31	54	77	143	250	584	584
12	30	54	77	142	249	583	583
13	30	54	76	142	249	583	583
14	30	54	76	141	248	582	582
15	30	54	75	141	248	582	582
16	29	53	75	141	248	582	582
17	29	53	75	140	248	582	582
18	29	53	75	140	248	582	582
19	29	53	75	141	248	582	582
20	29	54	75	141	248	582	582
21	30	54	75	141	248	582	582
22	29	54	75	141	248	582	582
23	29	53	75	141	248	582	582
24	29	53	75	140	247	582	582
25	29	53	75	140	247	581	581
26	29	53	75	140	247	581	581
27	28	53	74	140	247	581	581
28	28	52	74	139	246	581	581
29	28	52	74	139	246	580	580
30	28	52	73	139	246	580	580

## 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	24	39	65	142	256	590	1 254
2	26	41	67	144	258	592	1 029
3	29	45	69	138	256	590	852
4	31	49	73	141	256	590	714
5	34	52	79	145	257	591	605
6	35	55	83	150	257	591	591
7	37	58	85	153	257	591	591
8	37	58	85	151	257	591	591
9	37	59	85	151	257	592	592
10	38	61	85	151	258	592	592
11	39	62	86	151	258	592	592
12	40	63	86	151	258	592	592
13	40	64	86	151	258	592	592
14	40	64	86	151	258	592	592
15	40	64	86	151	258	592	592
16	39	63	85	150	257	592	592
17	39	63	85	150	257	592	592
18	39	63	85	150	257	592	592
19	39	63	85	150	258	592	592
20	40	64	85	151	258	592	592
21	40	64	86	151	258	592	592
22	40	64	86	151	258	592	592
23	39	64	85	151	258	592	592
24	39	63	85	150	257	592	592
25	39	63	85	150	257	591	591
26	38	62	84	150	257	591	591
27	38	62	84	149	256	590	590
28	37	62	83	149	256	590	590
29	37	61	83	148	255	589	589
30	36	61	82	148	255	589	589

## 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	125	139	165	243	356	690	1 327
2	123	138	164	241	355	689	1 091
3	123	139	163	233	350	684	904
4	123	141	165	234	348	682	758

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	124	143	170	236	347	681	681
6	124	143	172	239	345	680	680
7	124	145	172	240	344	678	678
8	123	144	171	238	344	678	678
9	122	144	169	235	342	676	676
10	122	145	169	235	342	676	676
11	122	145	168	234	341	675	675
12	121	145	167	233	340	674	674
13	120	144	166	231	338	673	673
14	119	143	165	230	337	671	671
15	117	141	163	228	335	669	669
16	114	138	160	226	333	667	667
17	112	136	158	223	330	664	664
18	109	133	155	221	328	662	662
19	107	131	153	219	326	660	660
20	105	129	151	216	323	658	658
21	103	127	149	214	321	655	655
22	101	125	147	212	319	653	653
23	98	122	144	210	317	651	651
24	96	120	142	207	315	649	649
25	94	118	140	205	312	646	646
26	92	116	138	203	310	644	644
27	90	114	136	201	308	642	642
28	88	112	134	199	306	640	640
29	86	110	132	197	304	638	638
30	84	108	130	195	302	636	636

## 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	10	35	113	227	561	1 221
2	1	12	37	115	229	563	1 004
3	2	16	40	109	227	560	832
4	3	19	44	112	227	561	697
5	4	23	50	116	227	561	591
6	6	26	54	121	228	562	562
7	8	28	56	124	228	562	562
8	8	29	56	122	228	562	562
9	8	30	55	121	228	562	562

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
10	8	31	55	121	228	562	562
11	9	32	55	121	228	562	562
12	10	32	55	120	228	562	562
13	10	33	55	120	227	561	561
14	11	33	55	120	227	561	561
15	12	33	55	120	227	561	561
16	12	32	54	119	227	561	561
17	14	32	54	119	227	561	561
18	14	32	54	120	227	561	561
19	15	33	54	120	227	561	561
20	15	33	55	120	227	562	562
21	16	34	56	121	228	562	562
22	17	34	56	121	228	562	562
23	18	34	56	122	229	563	563
24	18	35	57	122	229	563	563
25	19	35	57	122	229	563	563
26	19	35	57	122	229	563	563
27	21	35	57	122	229	564	564
28	21	35	57	122	230	564	564
29	22	36	57	123	230	564	564
30	22	36	57	123	230	564	564

### 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	75	153	267	601	1 220
2	36	50	76	154	267	601	1 003
3	36	52	76	145	263	596	830
4	36	53	78	146	260	594	695
5	36	55	82	148	259	593	593
6	39	58	87	154	260	595	595
7	36	57	85	152	257	591	591
8	40	62	88	155	261	595	595
9	39	61	87	153	260	594	594
10	34	57	81	147	254	588	588
11	30	53	76	142	249	583	583
12	27	50	73	138	245	580	580
13	24	48	70	136	243	577	577
14	23	47	68	134	241	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
15	21	45	67	132	239	573	573
16	19	44	65	131	238	572	572
17	19	43	65	130	237	571	571
18	18	42	64	129	236	570	570
19	18	42	63	129	236	570	570
20	18	42	64	129	236	570	570
21	18	42	64	129	236	570	570
22	18	42	64	129	236	570	570
23	18	42	64	129	236	570	570
24	18	42	63	129	236	570	570
25	19	42	63	129	236	570	570
26	19	41	63	129	236	570	570
27	21	41	63	128	236	570	570
28	21	41	63	128	235	570	570
29	21	41	63	128	235	569	569
30	22	41	63	128	235	569	569

## 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	189	204	230	307	421	755	1 582
2	187	202	227	305	418	753	1 293
3	184	200	224	293	411	745	1 059
4	181	198	223	291	405	739	880
5	178	196	223	289	401	735	742
6	174	194	222	289	396	730	730
7	171	192	220	288	392	726	726
8	167	189	215	282	388	722	722
9	163	185	211	277	384	718	718
10	160	183	207	272	380	714	714
11	156	180	203	268	376	710	710
12	153	176	199	264	372	706	706
13	149	173	195	261	368	702	702
14	146	170	192	257	364	698	698
15	142	166	188	253	361	695	695
16	139	163	185	250	357	691	691
17	136	160	182	247	354	688	688
18	133	157	179	244	351	685	685
19	130	154	176	241	348	683	683

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	127	152	173	239	346	680	680
21	125	149	171	236	343	677	677
22	122	146	168	234	341	675	675
23	120	144	166	231	338	672	672
24	117	141	163	228	336	670	670
25	115	139	161	226	333	667	667
26	113	137	158	224	331	665	665
27	110	134	156	221	329	663	663
28	108	132	154	219	326	660	660
29	106	130	152	217	324	658	658
30	104	128	150	215	322	656	656

## 2.31 US dollar

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	8	26	51	109	245	579	1 234
2	8	26	51	109	245	579	1 015
3	10	29	53	103	243	577	841
4	12	34	56	100	243	577	704
5	16	40	62	103	244	578	596
6	18	43	66	99	245	579	579
7	19	46	65	92	245	579	579
8	17	44	64	91	245	580	580
9	17	45	66	95	246	580	580
10	19	48	68	99	246	580	580
11	21	50	70	102	246	580	580
12	23	53	71	103	246	580	580
13	24	54	72	103	246	580	580
14	24	55	72	103	246	580	580
15	24	55	72	103	246	580	580
16	24	55	72	103	246	580	580
17	24	55	72	103	246	580	580
18	24	55	72	103	246	580	580
19	24	55	72	103	246	580	580
20	24	55	72	103	246	580	580
21	24	55	72	103	246	581	581
22	24	55	72	103	247	581	581
23	24	55	72	103	247	581	581
24	24	55	72	103	247	581	581

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	24	55	72	103	247	581	581
26	24	55	72	103	247	581	581
27	24	55	72	103	246	581	581
28	24	55	72	103	246	580	580
29	24	55	72	103	246	580	580
30	24	55	72	103	246	580	580

## 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	91	205	539	1 187
2	1	5	12	90	203	537	973
3	2	5	12	81	198	532	805
4	3	6	13	81	196	530	674
5	4	7	18	84	195	529	571
6	4	8	21	88	195	529	529
7	5	8	22	90	194	529	529
8	6	9	22	89	194	528	528
9	7	11	22	88	194	529	529
10	8	11	22	88	195	529	529
11	8	12	23	88	195	529	529
12	9	12	24	88	195	529	529
13	10	14	26	88	195	529	529
14	11	14	27	88	196	530	530
15	11	15	29	89	196	530	530
16	12	16	30	89	196	530	530
17	12	17	31	89	197	531	531
18	14	17	33	90	197	531	531
19	14	19	34	90	198	532	532
20	15	19	35	91	198	532	532
21	15	20	36	92	199	533	533
22	16	20	38	92	199	533	533
23	17	22	39	93	200	534	534
24	18	22	41	93	200	534	534
25	18	23	42	93	200	534	534
26	19	23	43	93	200	534	534
27	19	25	45	93	200	535	535
28	21	25	46	93	201	535	535
29	21	26	47	94	201	535	535
30	22	27	48	94	201	535	535

### 3. Other exposures

#### 3.1 Euro

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	1	15	21	44	166	303	3 035
2	1	15	21	44	166	339	2 252
3	1	15	24	49	160	352	1 698
4	1	16	27	53	158	350	1 312
5	2	18	30	55	158	341	1 040
6	3	21	33	58	158	328	844
7	4	24	35	60	158	313	699
8	4	24	36	63	158	296	588
9	5	25	37	66	158	279	501
10	5	26	39	68	158	263	432
11	5	26	39	69	158	251	376
12	6	26	39	69	158	251	329
13	6	26	39	69	158	251	290
14	6	26	39	69	158	251	257
15	6	26	40	69	158	251	251
16	8	26	43	69	158	251	251
17	8	26	46	69	158	251	251
18	8	26	48	69	158	251	251
19	9	26	50	69	158	251	251
20	9	26	53	69	158	251	251
21	9	26	55	69	158	251	251
22	10	26	58	69	158	251	251
23	10	26	61	69	158	251	251
24	12	26	63	69	158	251	251
25	12	26	66	69	158	251	251
26	12	26	68	71	158	251	251
27	13	26	71	74	158	251	251
28	13	26	73	76	158	251	251
29	13	26	75	77	158	251	251
30	14	27	78	79	158	251	251

#### 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	6	20	26	49	171	310	3 119
2	8	22	28	51	173	349	2 320
3	8	23	31	57	168	361	1 749
4	8	24	34	60	165	360	1 350

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	8	25	37	62	165	350	1 070
6	9	27	39	65	164	336	867
7	10	30	40	66	163	320	717
8	10	30	41	68	163	303	602
9	10	30	42	71	163	285	513
10	10	31	44	73	162	268	441
11	9	30	43	73	162	255	383
12	9	30	43	72	161	254	336
13	8	29	42	72	160	253	296
14	8	29	42	71	160	253	262
15	7	28	41	71	160	252	252
16	8	28	44	70	159	252	252
17	8	28	46	70	159	252	252
18	8	27	49	70	159	251	251
19	9	27	51	70	159	251	251
20	9	28	54	70	159	252	252
21	9	28	57	71	159	252	252
22	10	28	58	71	160	252	252
23	11	29	61	71	160	253	253
24	12	29	63	71	160	253	253
25	12	29	66	71	160	253	253
26	12	29	68	72	160	253	253
27	13	29	71	74	160	253	253
28	13	29	74	76	160	253	253
29	14	29	77	79	160	253	253
30	14	29	79	81	160	253	253

## 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	21	44	166	303	3 034
2	1	15	21	44	166	339	2 252
3	1	15	24	49	160	352	1 698
4	1	16	27	53	157	350	1 312
5	2	18	30	55	157	341	1 040
6	3	21	33	58	157	328	844
7	4	24	34	60	157	312	699
8	4	24	36	63	157	296	588
9	5	25	37	66	157	279	501

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
10	5	26	39	68	157	263	432
11	5	26	39	69	157	250	376
12	6	26	39	69	157	250	329
13	6	26	39	69	157	250	290
14	6	26	39	69	157	250	257
15	6	26	40	69	157	250	250
16	8	26	43	69	157	250	250
17	8	26	46	69	157	250	250
18	8	26	48	69	157	250	250
19	9	26	50	69	157	250	250
20	9	26	53	69	157	250	250
21	9	26	55	69	157	250	250
22	10	26	58	69	157	250	250
23	10	26	61	69	157	250	250
24	12	26	63	69	157	250	250
25	12	26	66	69	157	250	250
26	12	26	68	71	157	250	250
27	13	26	71	74	157	250	250
28	13	26	73	76	157	250	250
29	13	26	75	77	157	250	250
30	14	27	78	79	157	250	250

## 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	79	93	99	122	244	339	3 088
2	74	88	95	118	239	348	2 314
3	76	91	100	125	236	362	1 749
4	74	90	100	126	231	361	1 353
5	72	89	101	126	229	353	1 076
6	72	90	101	127	226	341	876
7	71	90	101	127	224	325	726
8	70	89	101	128	223	316	611
9	69	89	101	130	221	314	521
10	65	86	99	128	218	310	449
11	63	84	97	126	215	308	391
12	61	82	95	125	213	306	342
13	60	81	94	124	212	305	305
14	60	81	94	123	212	305	305

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
15	59	80	93	123	212	304	304
16	59	80	93	122	211	304	304
17	58	79	92	122	210	303	303
18	57	78	91	121	210	303	303
19	57	78	91	120	209	302	302
20	56	77	90	120	208	301	301
21	55	76	89	119	207	300	300
22	54	75	88	118	207	299	299
23	53	74	87	117	206	299	299
24	52	73	86	116	205	297	297
25	51	72	85	115	204	296	296
26	50	71	84	114	202	295	295
27	49	70	83	113	201	294	294
28	48	69	82	112	200	293	293
29	47	68	81	111	199	292	292
30	46	67	81	110	198	291	291

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	18	25	48	169	302	3 031
2	6	20	27	50	171	339	2 252
3	7	22	30	56	167	352	1 699
4	7	23	34	60	165	351	1 313
5	9	26	38	62	165	342	1 042
6	10	28	40	65	165	329	846
7	11	31	42	67	165	313	700
8	11	31	42	69	164	297	589
9	11	31	43	72	164	280	503
10	11	32	45	73	163	264	433
11	11	32	45	74	163	256	377
12	10	31	44	74	162	255	330
13	10	31	44	73	162	255	292
14	10	31	44	73	162	255	259
15	9	30	43	73	161	254	254
16	9	30	43	72	161	254	254
17	9	30	46	72	161	254	254
18	9	30	49	72	161	254	254
19	9	30	51	72	161	254	254

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	9	30	53	73	161	254	254
21	9	30	56	73	162	255	255
22	10	31	58	73	162	255	255
23	11	31	61	73	162	255	255
24	12	31	64	74	162	255	255
25	12	31	66	74	162	255	255
26	12	31	69	74	162	255	255
27	13	31	71	74	162	255	255
28	13	31	73	76	162	255	255
29	14	31	77	78	162	255	255
30	14	31	79	81	162	255	255

## 3.6 Kuna

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	46	60	67	90	211	306	3 051
2	50	64	71	93	215	342	2 273
3	54	69	77	103	214	356	1 717
4	56	72	83	109	214	355	1 329
5	58	75	87	111	214	347	1 055
6	59	77	89	115	214	334	858
7	60	79	90	116	213	318	711
8	59	79	91	117	212	305	599
9	58	79	91	119	211	304	510
10	57	78	91	120	209	302	440
11	56	77	90	119	208	301	383
12	54	75	88	118	206	299	335
13	52	73	86	116	205	297	297
14	51	72	85	115	203	296	296
15	50	71	84	113	202	295	295
16	49	70	83	112	201	294	294
17	48	69	82	111	200	293	293
18	47	68	81	111	199	292	292
19	46	67	80	110	198	291	291
20	46	67	80	109	198	291	291
21	45	66	79	109	197	290	290
22	44	65	78	108	196	289	289
23	43	64	77	107	196	288	288
24	43	64	77	106	195	288	288

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	42	63	76	105	194	287	287
26	41	62	75	104	193	286	286
27	40	61	74	104	192	285	285
28	39	60	75	103	191	284	284
29	38	59	77	102	190	283	283
30	37	58	79	101	190	282	282

## 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	43	165	303	3 032
2	0	14	21	43	165	339	2 251
3	1	14	23	48	159	351	1 696
4	1	15	26	52	157	350	1 311
5	2	17	29	54	157	341	1 039
6	2	20	32	57	157	328	843
7	4	23	34	59	157	312	698
8	4	24	35	62	157	296	587
9	4	24	37	65	157	279	501
10	4	25	38	67	157	263	432
11	5	26	39	68	157	250	375
12	6	26	39	68	157	250	329
13	6	26	39	68	157	250	290
14	6	26	39	68	157	250	257
15	6	26	40	68	157	250	250
16	8	26	43	68	157	250	250
17	8	26	46	68	157	250	250
18	8	26	48	68	157	250	250
19	9	26	50	68	157	250	250
20	9	26	53	68	157	250	250
21	9	26	55	68	157	250	250
22	10	26	58	68	157	250	250
23	10	26	61	68	157	250	250
24	12	26	63	68	157	250	250
25	12	26	66	69	157	250	250
26	12	26	68	71	157	250	250
27	13	26	71	74	157	250	250
28	13	26	73	76	157	250	250
29	13	26	75	77	157	250	250
30	14	27	78	79	157	250	250

3.8 *Pound sterling*

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	0	11	22	46	184	308	3 092
2	0	11	22	46	184	345	2 298
3	1	11	24	50	178	358	1 732
4	1	13	26	56	175	357	1 337
5	2	16	29	59	174	347	1 059
6	2	18	33	60	173	333	859
7	3	21	36	60	171	317	710
8	4	23	37	60	170	300	597
9	7	31	42	58	169	283	508
10	9	34	41	57	168	266	438
11	8	33	41	56	168	260	380
12	7	32	41	56	167	260	333
13	6	31	41	56	166	259	293
14	6	30	41	56	165	258	260
15	6	31	41	56	164	257	257
16	8	31	43	56	163	256	256
17	8	31	46	56	162	255	255
18	8	31	48	56	161	254	254
19	9	31	51	57	161	254	254
20	9	31	53	59	162	255	255
21	9	31	56	62	162	255	255
22	10	31	58	64	162	255	255
23	10	31	61	66	161	254	254
24	12	31	63	68	161	254	254
25	12	31	66	70	160	253	253
26	12	31	68	72	160	253	253
27	13	31	71	74	160	252	252
28	13	31	73	76	159	252	252
29	13	31	75	77	159	252	252
30	14	31	78	79	158	251	251

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	82	96	102	125	247	342	3 233
2	79	93	100	123	244	361	2 414
3	77	92	100	126	237	376	1 825
4	74	90	101	127	232	375	1 411

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	72	89	101	126	229	366	1 119
6	72	90	102	127	226	352	908
7	71	90	101	126	224	335	751
8	68	88	99	126	221	317	631
9	66	86	99	127	219	312	538
10	65	85	98	127	217	310	463
11	63	84	97	126	215	308	402
12	61	82	95	125	214	306	352
13	60	81	94	123	212	305	310
14	58	79	92	122	210	303	303
15	57	78	91	120	209	302	302
16	56	77	90	119	208	301	301
17	54	75	88	118	207	300	300
18	53	74	87	117	206	299	299
19	53	74	87	116	205	298	298
20	52	73	86	115	204	297	297
21	51	72	85	114	203	296	296
22	50	71	84	114	202	295	295
23	49	70	83	113	201	294	294
24	48	69	82	112	200	293	293
25	47	68	81	110	199	292	292
26	46	67	80	109	198	291	291
27	45	66	79	108	197	290	290
28	44	65	78	107	196	289	289
29	43	64	80	106	195	288	288
30	42	63	82	106	194	287	287

## 3.10 Zloty

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	55	69	76	98	220	315	3 116
2	54	68	74	97	218	348	2 319
3	52	67	75	101	212	362	1 752
4	51	67	77	103	208	362	1 356
5	50	67	79	103	206	353	1 076
6	49	67	79	104	204	340	875
7	49	68	79	105	202	324	725
8	47	67	79	106	201	307	610
9	46	67	79	107	199	292	520

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
10	45	66	79	108	198	291	447
11	44	65	78	108	197	290	389
12	44	65	78	107	196	289	340
13	43	64	77	106	195	288	300
14	42	63	76	106	194	287	287
15	41	62	75	105	194	287	287
16	40	61	74	104	193	285	285
17	40	61	74	103	192	285	285
18	39	60	73	103	191	284	284
19	39	60	73	102	191	284	284
20	38	59	72	102	191	283	283
21	38	59	72	102	190	283	283
22	38	59	72	101	190	283	283
23	37	58	71	101	189	282	282
24	37	58	71	100	189	282	282
25	36	57	70	99	188	281	281
26	35	56	70	99	187	280	280
27	35	56	72	98	187	280	280
28	34	55	75	97	186	279	279
29	33	54	78	97	185	278	278
30	33	54	80	96	185	278	278

### 3.11 Norwegian krone

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	26	40	46	69	191	310	3 109
2	26	40	47	70	191	348	2 313
3	25	40	48	74	185	360	1 744
4	24	40	50	76	181	359	1 347
5	24	41	53	77	180	350	1 067
6	25	43	54	80	179	336	866
7	25	45	56	81	179	320	716
8	25	44	56	83	178	303	602
9	24	45	57	85	177	285	513
10	24	45	58	87	176	269	442
11	23	44	57	87	175	268	384
12	23	44	57	86	175	268	336
13	22	43	56	85	174	267	296
14	21	42	55	85	173	266	266

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
15	20	41	54	84	172	265	265
16	19	40	53	83	171	264	264
17	19	40	53	82	171	264	264
18	18	39	52	82	171	263	263
19	18	39	52	82	170	263	263
20	18	39	54	82	170	263	263
21	18	39	57	82	170	263	263
22	18	39	59	82	170	263	263
23	18	39	61	82	170	263	263
24	18	39	64	81	170	263	263
25	18	39	66	81	170	263	263
26	17	38	70	81	170	262	262
27	17	38	72	81	169	262	262
28	17	38	74	80	169	262	262
29	17	38	77	80	169	262	262
30	16	37	79	81	168	261	261

3.12 *Swiss franc*

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	0	0	3	24	146	301	3 015
2	0	1	6	25	147	337	2 238
3	1	2	9	30	141	350	1 687
4	1	3	11	34	139	348	1 303
5	2	4	14	36	139	339	1 033
6	2	4	17	39	139	326	839
7	3	6	19	41	138	311	694
8	4	6	22	44	138	294	584
9	4	8	25	47	138	277	498
10	4	8	28	49	138	261	429
11	4	10	30	51	140	245	373
12	6	10	32	50	138	231	327
13	6	12	35	51	139	232	288
14	6	12	38	50	139	232	255
15	6	14	40	49	138	231	231
16	8	14	43	49	137	230	230
17	8	15	45	52	137	230	230
18	8	16	47	54	137	230	230
19	9	17	50	56	137	230	230

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	9	18	53	59	138	231	231
21	9	19	55	60	138	231	231
22	10	20	57	62	138	231	231
23	10	20	59	64	138	231	231
24	10	22	62	67	138	231	231
25	12	22	65	69	138	231	231
26	12	24	67	70	138	231	231
27	13	24	69	72	138	231	231
28	13	25	72	74	139	231	231
29	13	26	74	77	139	231	231
30	14	27	78	79	141	231	231

3.13 *Australian dollar*

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	42	56	63	86	207	313	3 152
2	42	56	63	86	207	351	2 341
3	41	56	65	90	201	364	1 763
4	40	56	67	93	198	362	1 361
5	40	57	69	94	197	353	1 078
6	41	59	70	96	195	339	875
7	41	60	71	97	194	323	723
8	40	60	71	98	193	305	608
9	39	60	72	100	192	288	518
10	39	60	73	102	191	284	446
11	38	59	72	102	190	283	388
12	37	58	71	101	190	282	339
13	37	58	71	100	189	282	299
14	36	57	70	100	188	281	281
15	35	56	69	99	187	280	280
16	34	55	68	98	186	279	279
17	34	55	68	97	186	279	279
18	33	54	67	97	185	278	278
19	33	54	67	96	185	278	278
20	33	54	67	96	185	278	278
21	32	53	66	96	185	277	277
22	32	53	66	96	184	277	277
23	32	53	66	95	184	277	277
24	31	52	65	95	183	276	276

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	30	51	67	94	183	275	275
26	30	51	70	93	182	275	275
27	29	50	72	93	181	274	274
28	29	50	75	92	181	274	274
29	28	49	77	92	180	273	273
30	27	48	79	91	179	272	272

## 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	10	24	31	54	175	310	3 118
2	14	28	35	58	179	349	2 320
3	17	32	40	66	177	362	1 750
4	20	35	46	72	177	361	1 353
5	22	39	51	75	178	351	1 072
6	21	39	51	76	176	338	870
7	27	46	57	82	180	321	720
8	25	45	57	84	178	304	605
9	27	47	59	88	179	287	516
10	28	49	62	91	181	274	444
11	30	51	64	93	182	275	386
12	30	51	64	94	183	275	338
13	31	52	65	94	183	276	298
14	31	52	65	95	183	276	276
15	31	52	65	95	183	276	276
16	31	52	65	94	183	276	276
17	31	52	65	94	183	276	276
18	30	51	64	94	182	275	275
19	30	51	64	93	182	275	275
20	30	51	64	93	182	275	275
21	30	51	64	93	182	275	275
22	29	50	63	93	181	274	274
23	29	50	63	93	181	274	274
24	29	50	65	92	181	274	274
25	28	49	67	92	180	273	273
26	28	49	70	91	180	273	273
27	27	48	72	91	179	272	272
28	27	48	75	90	179	272	272
29	26	47	77	90	178	271	271
30	26	47	80	89	178	271	271

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	9	23	30	52	174	313	3 146
2	10	24	31	54	175	351	2 341
3	11	26	34	60	171	364	1 764
4	11	27	38	64	169	363	1 362
5	12	29	41	66	169	353	1 078
6	14	32	44	69	169	339	874
7	16	35	46	71	169	322	722
8	16	36	47	74	169	305	607
9	16	37	49	77	169	287	517
10	17	38	51	79	169	270	445
11	17	38	51	80	169	262	386
12	17	38	51	81	169	262	338
13	17	38	51	81	170	262	298
14	17	38	51	81	170	263	264
15	18	39	52	81	170	263	263
16	17	38	51	81	169	262	262
17	17	38	51	81	169	262	262
18	17	38	51	81	169	262	262
19	17	38	51	81	169	262	262
20	17	38	54	81	170	262	262
21	17	38	57	81	170	262	262
22	17	38	59	81	169	262	262
23	17	38	61	81	169	262	262
24	17	38	64	80	169	262	262
25	16	37	66	80	168	261	261
26	16	37	69	79	168	261	261
27	15	36	72	79	168	260	260
28	15	36	74	79	167	260	260
29	15	36	77	79	167	260	260
30	14	35	79	81	167	260	260

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	65	88	210	317	3 187
2	48	62	68	91	213	357	2 379
3	50	65	74	99	210	371	1 797
4	51	67	78	104	208	370	1 389

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	53	70	82	106	209	360	1 101
6	54	73	84	110	209	346	893
7	56	75	86	112	209	330	739
8	55	75	87	114	209	312	622
9	55	76	88	117	208	301	530
10	56	77	90	119	208	301	456
11	56	77	90	119	208	301	396
12	55	76	89	118	207	300	347
13	54	75	88	118	206	299	306
14	53	74	87	117	205	298	298
15	52	73	86	116	204	297	297
16	51	72	85	115	204	296	296
17	51	72	85	114	203	296	296
18	50	71	84	113	202	295	295
19	49	70	83	113	201	294	294
20	48	69	82	112	201	293	293
21	48	69	82	111	200	293	293
22	47	68	81	110	199	292	292
23	46	67	80	110	198	291	291
24	45	66	79	109	197	290	290
25	44	65	78	108	196	289	289
26	43	64	77	107	195	288	288
27	42	63	76	106	194	287	287
28	41	62	76	105	194	286	286
29	41	62	78	104	193	286	286
30	40	61	82	103	192	285	285

## 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	241	336	3 285
2	80	94	101	124	245	366	2 450
3	80	95	104	129	240	381	1 853
4	79	95	106	132	237	380	1 433
5	82	99	111	135	238	371	1 137
6	84	102	114	139	239	357	923
7	86	105	116	142	239	341	764
8	87	107	118	145	240	333	643
9	88	108	120	149	240	333	547

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
10	88	109	122	151	240	333	471
11	88	109	122	151	240	333	409
12	87	108	121	150	239	332	358
13	85	107	120	149	238	331	331
14	84	105	118	148	236	329	329
15	83	104	117	146	235	328	328
16	81	102	115	145	233	326	326
17	80	101	114	143	232	325	325
18	78	99	112	142	230	323	323
19	77	98	111	141	229	322	322
20	76	97	110	139	228	321	321
21	74	95	108	138	226	319	319
22	73	94	107	136	225	318	318
23	71	92	105	135	223	316	316
24	70	91	104	133	222	315	315
25	68	89	102	132	220	313	313
26	66	87	100	130	219	312	312
27	65	86	99	129	217	310	310
28	63	84	97	127	216	308	308
29	62	83	96	125	214	307	307
30	60	81	94	124	213	305	305

3.18 *Hong Kong dollar*

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	2	16	23	46	167	314	3 161
2	6	20	26	49	171	353	2 352
3	8	23	31	56	167	366	1 773
4	10	25	36	62	167	364	1 369
5	12	29	41	65	168	355	1 084
6	14	32	44	69	169	340	879
7	16	35	46	71	169	324	726
8	16	36	47	74	169	306	610
9	16	37	49	77	169	289	520
10	17	38	51	80	169	272	447
11	17	38	51	80	169	262	389
12	17	38	51	80	169	262	340
13	16	37	50	80	168	261	300
14	15	36	49	79	168	260	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
15	15	36	49	78	167	260	260
16	14	35	48	77	166	259	259
17	13	34	47	77	165	258	258
18	13	34	49	77	165	258	258
19	13	34	52	76	165	258	258
20	13	34	54	76	165	258	258
21	13	34	57	77	165	258	258
22	13	34	60	77	165	258	258
23	13	34	62	77	165	258	258
24	13	34	65	77	165	258	258
25	13	34	67	76	165	258	258
26	13	34	70	76	165	258	258
27	13	33	72	76	165	258	258
28	13	33	75	78	164	257	257
29	14	33	77	79	164	257	257
30	14	33	80	81	164	257	257

3.19 *Indian rupee*

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	88	102	109	131	253	348	3 418
2	89	102	109	132	253	379	2 548
3	88	103	111	136	247	394	1 924
4	87	103	114	140	245	393	1 486
5	88	105	117	141	244	383	1 177
6	89	107	118	144	243	368	954
7	90	109	120	145	243	350	789
8	89	109	121	148	243	335	662
9	89	109	121	150	242	334	564
10	88	108	121	150	240	333	485
11	86	107	120	149	238	331	421
12	84	105	118	148	236	329	368
13	82	103	116	146	234	327	327
14	80	101	114	144	232	325	325
15	78	99	112	142	231	324	324
16	76	97	110	140	229	321	321
17	75	96	109	138	227	320	320
18	73	94	107	137	225	318	318
19	72	93	106	135	224	317	317

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	71	92	105	134	223	316	316
21	70	91	104	133	222	315	315
22	69	90	103	132	221	314	314
23	67	89	102	131	220	313	313
24	66	87	100	130	218	311	311
25	65	86	99	129	217	310	310
26	64	85	98	128	216	309	309
27	63	84	97	127	215	308	308
28	62	83	96	125	214	307	307
29	61	82	95	124	213	306	306
30	60	81	94	123	212	305	305

## 3.20 Mexican peso

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	340	354	360	383	505	600	3 478
2	74	88	94	117	239	384	2 581
3	76	91	99	125	236	396	1 940
4	78	94	105	131	236	394	1 495
5	81	98	110	134	237	383	1 182
6	83	101	113	138	238	368	957
7	85	104	115	140	238	350	791
8	86	105	117	144	239	332	664
9	86	107	119	147	239	332	565
10	86	107	120	149	239	332	487
11	86	107	120	150	239	331	423
12	86	107	120	150	239	331	370
13	87	108	121	150	239	332	332
14	87	108	121	151	239	332	332
15	88	109	122	152	240	333	333
16	89	110	123	153	241	334	334
17	90	111	124	154	242	335	335
18	91	112	125	155	243	336	336
19	92	113	126	156	244	337	337
20	93	114	127	156	245	338	338
21	93	114	127	156	245	338	338
22	93	114	127	156	245	338	338
23	92	113	126	156	244	337	337
24	91	112	125	155	243	336	336

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	90	111	124	154	243	335	335
26	89	110	123	153	241	334	334
27	88	109	122	152	240	333	333
28	87	108	121	150	239	332	332
29	85	106	119	149	238	330	330
30	84	105	118	148	236	329	329

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	155	306	3 073
2	0	4	11	34	155	343	2 281
3	1	5	13	38	149	356	1 718
4	1	5	15	41	146	354	1 326
5	2	6	18	42	145	344	1 050
6	2	8	20	45	144	331	852
7	3	10	21	46	144	315	704
8	4	10	22	48	143	298	592
9	4	10	25	50	142	281	504
10	4	10	28	52	142	264	434
11	5	10	31	53	141	248	377
12	6	10	33	53	141	234	331
13	6	12	35	53	141	234	291
14	6	12	38	53	142	235	258
15	6	14	41	53	142	235	235
16	8	14	43	53	142	235	235
17	8	15	46	54	142	235	235
18	8	16	48	54	143	236	236
19	9	17	50	57	143	236	236
20	9	19	53	59	144	237	237
21	9	19	56	62	145	238	238
22	10	20	58	64	146	239	239
23	10	21	61	66	146	239	239
24	12	22	63	68	147	240	240
25	12	22	66	70	147	240	240
26	12	24	68	72	148	241	241
27	13	25	71	74	148	241	241
28	13	26	73	76	148	241	241
29	14	27	76	78	149	242	242
30	14	27	79	80	149	242	242

3.22 *New Zealand dollar*

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	48	62	69	92	213	313	3 152
2	49	63	70	93	214	351	2 341
3	49	63	72	97	208	364	1 764
4	48	64	74	100	205	363	1 363
5	48	65	77	101	204	353	1 080
6	49	67	79	104	204	340	876
7	49	68	79	105	202	324	725
8	48	68	80	107	202	306	610
9	48	69	81	109	201	294	520
10	47	68	81	110	199	292	448
11	46	67	80	109	198	291	389
12	44	65	78	108	196	289	341
13	42	63	76	106	195	287	300
14	41	62	75	105	193	286	286
15	39	60	73	103	192	285	285
16	38	59	72	101	190	283	283
17	37	58	71	100	189	282	282
18	35	56	69	99	188	280	280
19	35	56	69	98	187	280	280
20	34	55	68	98	186	279	279
21	33	54	67	97	186	278	278
22	33	54	67	96	185	278	278
23	32	53	66	96	184	277	277
24	31	52	65	95	184	276	276
25	31	52	67	94	183	276	276
26	30	51	70	94	182	275	275
27	29	50	72	93	181	274	274
28	29	50	75	92	181	274	274
29	28	49	78	92	180	273	273
30	27	48	80	91	179	272	272

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	110	124	130	153	275	370	3 411
2	111	125	132	154	276	378	2 541
3	112	127	135	161	272	393	1 918
4	112	128	139	165	270	392	1 482

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	113	130	142	167	270	382	1 174
6	115	133	145	170	269	367	953
7	116	135	146	171	269	362	788
8	115	135	146	173	268	361	663
9	114	135	147	175	267	360	565
10	114	134	147	176	266	359	486
11	112	133	146	176	264	357	422
12	110	131	144	174	262	355	370
13	108	129	142	172	260	353	353
14	106	127	140	170	258	351	351
15	104	125	138	167	256	349	349
16	101	122	135	165	253	346	346
17	99	120	133	162	251	344	344
18	97	118	131	160	249	342	342
19	95	116	129	158	247	340	340
20	93	114	127	156	245	338	338
21	91	112	125	155	243	336	336
22	89	110	123	153	241	334	334
23	88	109	122	151	240	333	333
24	86	107	120	149	238	331	331
25	84	105	118	148	236	329	329
26	82	103	116	146	234	327	327
27	80	101	114	144	233	326	326
28	79	100	113	142	231	324	324
29	77	98	111	141	229	322	322
30	76	97	110	139	228	321	321

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	168	182	189	211	333	428	3 423
2	177	191	198	221	342	437	2 583
3	181	196	204	230	341	436	1 962
4	182	198	208	234	339	433	1 527
5	182	199	211	236	339	431	1 216
6	182	200	212	238	337	430	989
7	182	202	213	238	336	428	819
8	181	201	212	239	334	427	689
9	180	200	212	241	332	425	587

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
10	179	200	212	241	331	424	505
11	177	198	211	240	329	422	439
12	174	195	208	238	326	419	419
13	171	192	205	235	323	416	416
14	168	189	202	232	320	413	413
15	165	186	199	229	317	410	410
16	162	183	196	225	314	407	407
17	159	180	193	222	311	404	404
18	155	176	189	219	308	400	400
19	152	173	186	216	304	397	397
20	149	170	183	213	301	394	394
21	146	167	180	210	298	391	391
22	143	164	177	207	295	388	388
23	140	161	174	203	292	385	385
24	137	158	171	200	289	382	382
25	134	155	168	197	286	379	379
26	131	152	165	194	283	376	376
27	128	149	162	191	280	373	373
28	125	146	159	188	277	370	370
29	122	143	156	185	274	367	367
30	119	140	153	183	271	364	364

### 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	23	37	44	67	188	318	3 199
2	24	38	45	67	189	356	2 376
3	24	39	47	73	184	369	1 790
4	23	39	50	76	181	368	1 382
5	24	41	53	77	180	358	1 095
6	24	43	54	80	179	344	887
7	25	45	55	81	178	327	734
8	24	44	56	82	177	309	616
9	24	44	56	85	176	292	525
10	23	44	57	86	176	274	452
11	23	44	57	86	175	268	392
12	22	43	56	86	174	267	343
13	21	42	55	85	174	267	302
14	21	42	55	85	173	266	268

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
15	21	42	55	84	173	266	266
16	20	42	55	84	173	266	266
17	20	41	54	84	173	265	265
18	20	41	54	84	173	265	265
19	21	42	55	84	173	266	266
20	21	42	55	84	173	266	266
21	21	42	57	84	173	266	266
22	21	42	60	84	173	266	266
23	21	42	62	84	173	266	266
24	20	41	65	84	172	265	265
25	20	41	67	84	172	265	265
26	20	41	70	83	172	265	265
27	20	41	72	83	172	265	265
28	19	40	76	83	171	264	264
29	19	40	78	83	171	264	264
30	19	40	81	82	171	264	264

## 3.26 Ringgit

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	19	33	40	63	184	321	3 233
2	21	35	42	65	186	359	2 401
3	22	37	46	71	182	372	1 808
4	23	39	50	76	181	371	1 395
5	25	42	54	79	182	361	1 105
6	27	45	57	82	182	346	895
7	29	48	59	85	182	330	740
8	29	49	61	88	182	312	622
9	30	50	62	91	182	294	530
10	31	51	64	93	183	277	456
11	31	52	65	94	183	276	396
12	31	52	65	95	183	276	347
13	31	52	65	95	183	276	306
14	31	52	65	95	183	276	276
15	31	52	65	94	183	276	276
16	30	51	64	94	183	275	275
17	30	51	64	94	183	275	275
18	30	51	64	94	182	275	275
19	30	51	64	94	183	275	275

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	31	52	65	94	183	276	276
21	31	52	65	94	183	276	276
22	31	52	65	94	183	276	276
23	31	52	65	94	183	276	276
24	30	51	66	94	182	275	275
25	30	51	69	94	182	275	275
26	30	51	71	93	182	275	275
27	29	50	74	93	181	274	274
28	29	50	76	92	181	274	274
29	28	49	78	92	180	273	273
30	28	49	82	91	180	273	273

3.27 *Russian rouble*

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	120	134	140	163	285	380	3 434
2	118	132	139	162	283	380	2 555
3	117	131	140	165	276	394	1 926
4	116	132	142	168	273	393	1 487
5	116	133	145	169	272	383	1 177
6	116	134	146	171	270	368	954
7	116	135	146	172	269	362	789
8	115	135	147	174	269	361	663
9	114	135	147	175	267	360	564
10	114	135	148	177	267	360	486
11	114	135	148	177	266	359	422
12	113	134	147	176	265	358	369
13	111	132	145	175	263	356	356
14	110	131	144	174	262	355	355
15	108	129	142	171	260	353	353
16	106	127	140	169	258	351	351
17	103	124	137	166	255	348	348
18	101	122	135	164	253	346	346
19	98	119	132	162	251	344	344
20	96	117	130	160	248	341	341
21	94	115	128	158	246	339	339
22	92	113	126	155	244	337	337
23	90	111	124	153	242	335	335
24	87	108	121	151	240	332	332

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	85	106	119	149	237	330	330
26	83	104	117	147	235	328	328
27	81	102	115	145	233	326	326
28	79	100	113	143	231	324	324
29	77	98	111	141	229	322	322
30	75	96	109	139	227	320	320

3.28 *Singapore dollar*

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	0	4	10	33	155	312	3 141
2	0	6	13	35	157	351	2 337
3	1	8	16	42	153	364	1 761
4	1	10	21	47	152	362	1 360
5	2	13	25	50	152	353	1 077
6	2	16	28	53	153	339	873
7	3	19	30	56	153	322	722
8	4	20	32	58	153	305	607
9	4	21	33	61	153	288	517
10	4	22	35	63	153	270	445
11	5	22	35	64	153	254	387
12	6	21	34	64	153	245	339
13	6	21	37	64	152	245	299
14	6	21	39	64	152	245	265
15	8	21	41	63	152	245	245
16	8	20	44	63	152	244	244
17	8	20	47	63	152	245	245
18	8	21	49	63	152	245	245
19	9	21	51	63	152	245	245
20	9	21	54	64	152	245	245
21	10	22	57	64	153	246	246
22	10	22	60	65	153	246	246
23	11	23	62	67	154	247	247
24	12	23	65	69	154	247	247
25	12	24	67	71	154	247	247
26	12	24	70	73	154	247	247
27	13	25	72	75	154	247	247
28	13	26	75	77	155	248	248
29	14	27	77	79	155	248	248
30	14	28	80	81	155	248	248

## 3.29 South Korean won

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	30	44	51	73	195	312	3 141
2	31	44	51	74	195	350	2 334
3	29	44	52	78	189	363	1 759
4	28	44	54	81	185	361	1 357
5	28	45	57	81	184	352	1 074
6	31	49	61	86	185	337	871
7	29	48	59	84	182	321	720
8	33	52	64	91	186	304	605
9	32	52	65	93	185	286	515
10	26	47	60	89	179	272	443
11	22	43	56	85	174	267	385
12	18	39	52	82	170	263	337
13	16	37	50	79	168	261	297
14	14	35	48	77	166	259	263
15	12	33	46	76	164	257	257
16	11	32	45	74	163	256	256
17	10	31	46	73	162	255	255
18	9	30	49	73	161	254	254
19	9	30	51	72	161	254	254
20	9	30	54	72	161	254	254
21	9	30	57	72	161	254	254
22	10	30	58	72	161	254	254
23	11	30	61	72	161	254	254
24	12	30	63	72	161	254	254
25	12	30	66	72	161	254	254
26	12	30	69	72	161	254	254
27	13	29	72	74	161	253	253
28	13	29	74	76	160	253	253
29	14	29	77	79	160	253	253
30	14	29	79	81	160	253	253

## 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	184	198	205	228	349	444	4 139
2	182	196	202	225	347	448	3 069
3	177	192	201	226	337	459	2 287
4	173	189	199	226	330	453	1 750

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	169	186	198	223	326	439	1 377
6	166	184	196	222	321	418	1 105
7	164	183	194	219	317	410	904
8	160	179	191	218	313	406	754
9	156	176	188	217	309	402	640
10	152	173	186	215	305	397	549
11	148	169	182	212	301	393	475
12	144	165	178	208	297	389	414
13	141	162	175	204	293	386	386
14	137	158	171	200	289	382	382
15	133	154	167	197	286	378	378
16	130	151	164	194	282	375	375
17	127	148	161	191	279	372	372
18	124	145	158	188	276	369	369
19	121	142	155	185	273	366	366
20	119	140	153	182	271	364	364
21	116	137	150	180	268	361	361
22	113	135	148	177	266	359	359
23	111	132	145	175	263	356	356
24	108	129	142	172	261	353	353
25	106	127	140	170	258	351	351
26	104	125	138	167	256	349	349
27	101	122	135	165	254	346	346
28	99	120	133	163	251	344	344
29	97	118	131	161	249	342	342
30	95	116	129	159	247	340	340

## 3.31 US dollar

Duration (in years)	Credit quality step 0	Credit quality step 1	Credit quality step 2	Credit quality step 3	Credit quality step 4	Credit quality step 5	Credit quality step 6
1	0	14	26	53	173	316	3 179
2	0	14	26	53	173	355	2 365
3	1	17	28	57	169	367	1 781
4	1	20	32	62	168	366	1 374
5	2	23	37	68	169	356	1 088
6	4	26	39	69	170	341	881
7	6	30	42	72	170	325	728
8	9	34	46	74	170	307	612
9	10	37	49	76	171	289	521

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
10	11	38	51	76	171	272	448
11	12	40	52	78	171	264	389
12	13	41	54	79	171	264	341
13	14	42	54	79	171	264	300
14	14	43	55	80	171	264	266
15	14	43	55	80	171	264	264
16	14	43	55	80	171	263	263
17	14	43	55	80	171	263	263
18	14	43	55	80	171	263	263
19	14	43	55	80	171	264	264
20	14	43	55	80	171	264	264
21	14	43	57	80	171	264	264
22	14	43	59	80	172	265	265
23	14	43	62	80	172	265	265
24	14	43	65	80	172	265	265
25	14	43	67	80	172	265	265
26	14	43	70	80	172	264	264
27	14	43	72	80	171	264	264
28	14	43	75	80	171	264	264
29	14	43	77	80	171	264	264
30	14	43	80	81	171	264	264

## 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	11	133	304	3 049
2	0	1	6	14	131	340	2 261
3	1	2	9	17	124	352	1 702
4	1	3	12	20	121	350	1 313
5	2	4	15	23	120	341	1 040
6	2	5	17	26	120	327	843
7	3	6	19	29	119	311	697
8	4	6	22	30	119	294	586
9	4	8	25	33	119	278	499
10	4	9	28	36	120	261	429
11	4	10	30	38	120	245	373
12	6	10	32	40	120	230	327
13	6	12	35	42	120	215	288
14	6	12	37	46	121	213	255

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
15	6	14	40	48	121	214	227
16	8	14	43	49	121	214	214
17	8	15	45	52	122	214	214
18	8	16	47	54	122	215	215
19	9	17	50	56	124	215	215
20	9	17	53	59	127	216	216
21	9	19	55	60	128	217	217
22	10	20	57	62	130	217	217
23	10	20	59	64	131	218	218
24	10	22	62	66	133	218	218
25	12	22	64	68	135	218	218
26	12	24	67	70	136	218	218
27	13	24	69	72	137	218	218
28	13	25	72	74	139	218	218
29	13	26	74	77	139	219	219
30	14	27	77	79	141	219	219

## ANNEX III

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

Currency	National insurance market	Volatility adjustment (in bps)
Euro	Austria	10
Euro	Belgium	10
Euro	Cyprus	10
Euro	Estonia	10
Euro	Finland	10
Euro	France	10
Euro	Germany	10
Euro	Greece	10
Euro	Ireland	10
Euro	Italy	10
Euro	Latvia	10
Euro	Lithuania	10
Euro	Luxembourg	10
Euro	Malta	10
Euro	Netherlands	10
Euro	Portugal	10
Euro	Slovakia	10
Euro	Slovenia	10
Euro	Spain	10
Czech koruna	Czech Republic	6
Danish krone	Denmark	34
Forint	Hungary	4
Krona	Sweden	4
Kuna	Croatia	8
Lev	Bulgaria	- 4
Pound sterling	United Kingdom	21
Romanian leu	Romania	4
Zloty	Poland	7
Króna	Iceland	18
Norwegian krone	Norway	29
Swiss franc	Liechtenstein	0
Swiss franc	Switzerland	0
Australian dollar	Australia	11
Canadian dollar	Canada	22
US dollar	United States	38
Yen	Japan	1

**COMMISSION IMPLEMENTING REGULATION (EU) 2018/1079****of 30 July 2018****concerning the authorisation of a preparation of *Bacillus subtilis* DSM 28343 as a feed additive for weaned piglets (holder of authorisation Lactosan GmbH & Co. KG)****(Text with EEA relevance)**

THE EUROPEAN COMMISSION,

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

Having regard to Regulation (EC) No 1831/2003 of the European Parliament and of the Council of 22 September 2003 on additives for use in animal nutrition <sup>(1)</sup>, and in particular Article 9(2) thereof,

Whereas:

- (1) Regulation (EC) No 1831/2003 provides for the authorisation of additives for use in animal nutrition and for the grounds and procedures for granting such authorisation.
- (2) In accordance with Article 7 of Regulation (EC) No 1831/2003 an application was submitted for the authorisation of a preparation of *Bacillus subtilis* DSM 28343. That application was accompanied by the particulars and documents required under Article 7(3) of Regulation (EC) No 1831/2003.
- (3) The application concerns the authorisation of a preparation of *Bacillus subtilis* DSM 28343 as a feed additive for weaned piglets to be classified in the additive category 'zootechnical additives'.
- (4) The preparation of *Bacillus subtilis* DSM 28343 belonging to the additive category of 'zootechnical additives', was authorised for 10 years as a feed additive for chickens for fattening by Commission Implementing Regulation (EU) 2017/187 <sup>(2)</sup>.
- (5) The European Food Safety Authority ('the Authority') concluded in its opinion of 6 March 2018 <sup>(3)</sup> that, under the proposed conditions of use, the preparation of *Bacillus subtilis* DSM 28343 does not have an adverse effect on animal health, human health or the environment, and that it has the potential to increase the weight, weight gain or feed to gain ratio of weaned piglets. The Authority does not consider that there is a need for specific requirements of post-market monitoring. It also verified the report on the method of analysis of the feed additive in feed submitted by the Reference Laboratory set up by Regulation (EC) No 1831/2003.
- (6) The assessment of the preparation of *Bacillus subtilis* DSM 28343 shows that the conditions for authorisation, as provided for in Article 5 of Regulation (EC) No 1831/2003, are satisfied. Accordingly, the use of that preparation should be authorised as specified in the Annex to this Regulation.
- (7) The measures provided for in this Regulation are in accordance with the opinion of the Standing Committee on Plants, Animals, Food and Feed,

HAS ADOPTED THIS REGULATION:

*Article 1*

The preparation specified in the Annex, belonging to the additive category 'zootechnical additives' and to the functional group 'gut flora stabilisers', is authorised as an additive in animal nutrition, subject to the conditions laid down in that Annex.

<sup>(1)</sup> OJ L 268, 18.10.2003, p. 29.

<sup>(2)</sup> Commission Implementing Regulation (EU) 2017/187 of 2 February 2017 concerning the authorisation of a preparation of *Bacillus subtilis* (DSM 28343) as a feed additive for chickens for fattening (holder of authorisation Lactosan GmbH & Co. KG) (OJ L 29, 3.2.2017, p. 35).

<sup>(3)</sup> EFSA Journal 2018;16(3):5221.

*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*.

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

Done at Brussels, 30 July 2018.

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

---

## ANNEX

Identification number of the additive	Name of the holder of authorisation	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
						CFU/kg of complete feedingstuff with a moisture content of 12 %			

**Category of zootechnical additives. Functional group: gut flora stabilisers**

4b1825	Lactosan GmbH & Co. KG	<i>Bacillus subtilis</i> DSM 28343	<p><i>Additive composition</i></p> <p>Preparation of <i>Bacillus subtilis</i> DSM 28343 containing a minimum of <math>1 \times 10^{10}</math> CFU/g of additive</p> <p>Solid form</p> <p><i>Characterisation of the active substance</i></p> <p>Viable spores of <i>Bacillus subtilis</i> DSM 28343</p> <p><i>Analytical method</i> <sup>(1)</sup></p> <p><i>For identification of Bacillus subtilis</i> DSM 28343 in the feed additive, premixtures and feeding-stuffs:</p> <p>— Identification: Pulsed Field Gel Electrophoresis (PFGE)</p> <p><i>For enumeration of Bacillus subtilis</i> DSM 28343 in the feed additive, premixtures and feeding-stuffs:</p> <p>— Enumeration: Spread plate method using tryptone soya agar — EN 15784</p>	Piglets (weaned)	—	$1 \times 10^9$	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated.</li> <li>2. For use in weaned piglets up to 35 kg of body weight.</li> <li>3. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address potential risks from their use. Where those risks cannot be eliminated or reduced to a minimum by such procedures and measures, the additive and premixtures shall be used with personal protective equipment.</li> </ol>	20.8.2028
--------	------------------------	------------------------------------	--	------------------	---	-----------------	---	--	-----------

<sup>(1)</sup> Details of the analytical methods are available at the following address of the Reference Laboratory: <https://ec.europa.eu/jrc/en/eurl/feed-additives/evaluation-reports>

**COMMISSION IMPLEMENTING REGULATION (EU) 2018/1080****of 30 July 2018****concerning the authorisation of the preparation of *Bacillus subtilis* DSM 29784 as a feed additive for minor poultry species for fattening and reared for laying (holder of authorisation Adisseo France SAS)****(Text with EEA relevance)**

THE EUROPEAN COMMISSION,

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

Having regard to Regulation (EC) No 1831/2003 of the European Parliament and of the Council of 22 September 2003 on additives for use in animal nutrition <sup>(1)</sup>, and in particular Article 9(2) thereof,

Whereas:

- (1) Regulation (EC) No 1831/2003 provides for the authorisation of additives for use in animal nutrition and for the grounds and procedures for granting such authorisation.
- (2) In accordance with Article 7 of Regulation (EC) No 1831/2003, an application was submitted for the authorisation of a preparation of *Bacillus subtilis* DSM 29784. That application was accompanied by the particulars and documents required under Article 7(3) of Regulation (EC) No 1831/2003.
- (3) The application concerns the authorisation of a preparation of *Bacillus subtilis* DSM 29784 as a feed additive for minor poultry species for fattening and reared for laying, to be classified in the additive category 'zootechnical additives'.
- (4) The preparation of *Bacillus subtilis* DSM 29784 belonging to the additive category of 'zootechnical additives', was authorised for 10 years as a feed additive for chickens for fattening and chickens reared for laying by Commission Implementing Regulation (EU) 2018/328 <sup>(2)</sup>.
- (5) The European Food Safety Authority ('the Authority') concluded in its opinion of 21 February 2018 <sup>(3)</sup> that, under the proposed conditions of use, the preparation of *Bacillus subtilis* DSM 29784 does not have an adverse effect on animal health, human health and the environment. The Authority also concluded that it can reasonably be assumed that the mode of action for minor poultry species is the same as for major poultry species (chickens for fattening). Consequently, the conclusion on efficacy for chickens for fattening can be extrapolated to minor poultry species for fattening and reared for laying. The Authority did not consider that there is a need for specific requirements of post-market monitoring. It also verified the report on the method of analysis of the feed additive in feed submitted by the Reference Laboratory set up by Regulation (EC) No 1831/2003.
- (6) The assessment of the preparation of *Bacillus subtilis* DSM 29784 shows that the conditions for authorisation, as provided for in Article 5 of Regulation (EC) No 1831/2003, are satisfied. Accordingly, the use of that preparation should be authorised as specified in the Annex to this Regulation.
- (7) The measures provided for in this Regulation are in accordance with the opinion of the Standing Committee on Plants, Animals, Food and Feed,

HAS ADOPTED THIS REGULATION:

*Article 1*

The preparation specified in the Annex, belonging to the additive category 'zootechnical additives' and to the functional group 'gut flora stabilisers', is authorised as an additive in animal nutrition, subject to the conditions laid down in that Annex.

<sup>(1)</sup> OJ L 268, 18.10.2003, p. 29.

<sup>(2)</sup> Commission Implementing Regulation (EU) 2018/328 of 5 March 2018 concerning the authorisation of the preparation of *Bacillus subtilis* DSM 29784 as a feed additive for chickens for fattening and chickens reared for laying (holder of authorisation Adisseo France SAS) (OJ L 63, 6.3.2018, p. 10).

<sup>(3)</sup> EFSA Journal 2018; 16(3):5204.

---

*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*.

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

Done at Brussels, 30 July 2018.

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

---

## ANNEX

Identification number of the additive	Name of the holder of authorisation	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
						CFU/kg of complete feedingstuff with a moisture content of 12 %			

**Category of zootechnical additives. Functional group: gut flora stabilisers**

4b1829	Adisseo France SAS	<i>Bacillus subtilis</i> DSM 29784	<p><i>Additive composition</i></p> <p>Preparation of <i>Bacillus subtilis</i> DSM 29784 containing a minimum of <math>1 \times 10^{10}</math> CFU/g of additive.</p> <p>Solid form</p> <p><i>Characterisation of the active substance</i></p> <p>Viable spores of <i>Bacillus subtilis</i> DSM 29784</p> <p><i>Analytical method</i> <sup>(1)</sup></p> <p>For the enumeration of <i>Bacillus subtilis</i> DSM 29784 in additive, premixture and feedingstuffs:</p> <p>Spread plate method using tryptone soya agar EN 15784</p> <p>For the identification <i>Bacillus subtilis</i> DSM 29784: Identification: Pulsed Field Gel Electrophoresis (PFGE)</p>	Minor poultry species for fattening and reared for laying	—	$1 \times 10^8$	—	<ol style="list-style-type: none"> <li>1. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated.</li> <li>2. The use is permitted in feed containing the following authorised coccidiostats: lasalocid A sodium or diclazuril;</li> <li>3. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address potential risks resulting from their use. Where those risks cannot be eliminated or reduced to a minimum by such procedures and measures, the additive and premixtures shall be used with personal protective equipment including skin, respiratory and eyes protections.</li> </ol>	20.8.2028
--------	--------------------	------------------------------------	--	---	---	-----------------	---	---	-----------

<sup>(1)</sup> Details of the analytical methods are available at the following address of the Reference Laboratory: <https://ec.europa.eu/jrc/en/eurl/feed-additives/evaluation-reports>

**COMMISSION IMPLEMENTING REGULATION (EU) 2018/1081****of 30 July 2018****concerning the authorisation of the preparation of *Bacillus subtilis* C-3102 (DSM 15544) as a feed additive for pigs for fattening (holder of the authorisation Asahi Calpis Wellness Co. Ltd, represented by Asahi Calpis Wellness Co. Ltd Europe Representative Office)****(Text with EEA relevance)**

THE EUROPEAN COMMISSION,

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

Having regard to Regulation (EC) No 1831/2003 of the European Parliament and of the Council of 22 September 2003 on additives for use in animal nutrition <sup>(1)</sup>, and in particular Article 9(2) thereof,

Whereas:

- (1) Regulation (EC) No 1831/2003 provides for the authorisation of additives for use in animal nutrition and for the grounds and procedures for granting such authorisation.
- (2) The preparation of *Bacillus subtilis* C-3102 (DSM 15544), belonging to the additive category of 'zootechnical additives', was authorised for 10 years as a feed additive for chickens for fattening by Commission Regulation (EC) No 1444/2006 <sup>(2)</sup>, for chickens reared for laying, turkeys, minor avian species and other ornamental and game birds by Commission Regulation (EU) No 184/2011 <sup>(3)</sup>, for weaned piglets by Commission Regulation (EU) No 333/2010 <sup>(4)</sup>, for laying hens and ornamental fish by Commission Implementing Regulation (EU) 2016/897 <sup>(5)</sup>, for sows, suckling piglets and dogs by Commission Implementing Regulation (EU) 2017/2312 <sup>(6)</sup>.
- (3) In accordance with Article 7 of Regulation (EC) No 1831/2003, an application was submitted for a new use of the preparation of *Bacillus subtilis* C-3102 (DSM 15544) for pigs for fattening, requesting that the additive be classified in the additive category 'zootechnical additives'.
- (4) The application was accompanied by the particulars and documents required under Article 7(3) of Regulation (EC) No 1831/2003.
- (5) The European Food Safety Authority ('the Authority') concluded in its opinion of 6 March 2018 <sup>(7)</sup> that, under the proposed conditions of use, the preparation of *Bacillus subtilis* C-3102 (DSM 15544) does not have an adverse effect on animal health, human health and the environment and that it has the potential to improve the zootechnical performance of pigs for fattening. The Authority does not consider that there is a need for specific requirements of post-market monitoring. It also verified the report on the method of analysis of the feed additive in feed submitted by the Reference Laboratory set up by Regulation (EC) No 1831/2003.
- (6) The assessment of the preparation of *Bacillus subtilis* C-3102 (DSM 15544) shows that the conditions for authorisation, as provided for in Article 5 of Regulation (EC) No 1831/2003, are satisfied. Accordingly, the use of that preparation should be authorised as specified in the Annex to this Regulation.

<sup>(1)</sup> OJ L 268, 18.10.2003, p. 29.

<sup>(2)</sup> Commission Regulation (EC) No 1444/2006 of 29 September 2006 concerning the authorisation of *Bacillus subtilis* C-3102 (Calsporin) as a feed additive (OJ L 271, 30.9.2006, p. 19).

<sup>(3)</sup> Commission Regulation (EU) No 184/2011 of 25 February 2011 concerning the authorisation of *Bacillus subtilis* C-3102 (DSM 15544) as a feed additive for chickens reared for laying, turkeys, minor avian species and other ornamental and game birds (holder of authorisation Calpis Co. Ltd Japan, represented by Calpis Co. Ltd Europe Representative Office) (OJ L 53, 26.2.2011, p. 33).

<sup>(4)</sup> Commission Regulation (EU) No 333/2010 of 22 April 2010 concerning the authorisation of a new use of *Bacillus subtilis* C-3102 (DSM 15544) as a feed additive for weaned piglets (holder of authorisation Calpis Co. Ltd Japan, represented in the European Union by Calpis Co. Ltd Europe Representative Office) (OJ L 102, 23.4.2010, p. 19).

<sup>(5)</sup> Commission Implementing Regulation (EU) 2016/897 of 8 June 2016 concerning the authorisation of a preparation of *Bacillus subtilis* (C-3102) (DSM 15544) as a feed additive for laying hens and ornamental fish (holder of authorisation Asahi Calpis Wellness Co. Ltd) and amending Regulations (EC) No 1444/2006, (EU) No 333/2010 and (EU) No 184/2011 as regards the holder of the authorisation (OJ L 152, 9.6.2016, p. 7).

<sup>(6)</sup> Commission Implementing Regulation (EU) 2017/2312 of 13 December 2017 concerning the authorisation of a new use of the preparation of *Bacillus subtilis* C-3102 (DSM 15544) as a feed additive for sows, suckling piglets and dogs (holder of the authorisation Asahi Calpis Wellness Co. Ltd, represented by Asahi Calpis Wellness Co. Ltd Europe Representative Office) (OJ L 331, 14.12.2017, p. 41).

<sup>(7)</sup> EFSA Journal 2018; 16(3):5219.

- (7) The measures provided for in this Regulation are in accordance with the opinion of the Standing Committee on Plants, Animals, Food and Feed,

HAS ADOPTED THIS REGULATION:

*Article 1*

The preparation specified in the Annex, belonging to the additive category 'zootechnical additives' and to the functional group 'gut flora stabilisers', is authorised as an additive in animal nutrition subject to the conditions laid down in that Annex.

*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*.

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

Done at Brussels, 30 July 2018.

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

---

## ANNEX

Identification number of the additive	Name of the holder of authorisation	Additive	Composition, chemical formula, description, analytical method	Species or category of animal	Maximum age	Minimum content	Maximum content	Other provisions	End of period of authorisation
						CFU/kg of complete feedingstuff with a moisture content of 12 %			

**Category of zootechnical additives. Functional group: gut flora stabilisers**

4b1820	Asahi Calpis Wellness Co. Ltd, represented in the European Union by Asahi Calpis Wellness Co. Ltd Europe Representative Office	<i>Bacillus subtilis</i> C-3102 (DSM 15544)	<p><i>Additive composition</i></p> <p><i>Bacillus subtilis</i> C-3102 (DSM 15544) with minimum of <math>1,0 \times 10^{10}</math> CFU/g</p> <p>Solid form</p> <p><i>Characterisation of the active substance</i></p> <p>Viable spores (CFU) of <i>Bacillus subtilis</i> C-3102 (DSM 15544)</p> <p><i>Analytical method</i> <sup>(1)</sup></p> <p>Enumeration: spread plate method using tryptone soya agar in all target matrices (EN 15784:2009)</p> <p>Identification: pulsed-field gel electrophoresis (PFGE).</p>	Pigs for fattening	—	$1,5 \times 10^8$	—	<p>1. In the directions for use of the additive and premixtures, the storage conditions and stability to heat treatment shall be indicated.</p> <p>2. For users of the additive and premixtures, feed business operators shall establish operational procedures and organisational measures to address potential risks of their use. Where those risks cannot be eliminated or reduced to a minimum by such procedures and measures, the additive and premixtures shall be used with personal protective equipment.</p>	20.8.2028
--------	--	---	---	--------------------	---	-------------------	---	---	-----------

<sup>(1)</sup> Details of the analytical methods are available at the following address of the Reference Laboratory: [www.irmm.jrc.ec.europa.eu/crl-feed-additives](http://www.irmm.jrc.ec.europa.eu/crl-feed-additives)

# DECISIONS

## COUNCIL DECISION (CFSP) 2018/1082

of 30 July 2018

### amending Decision (CFSP) 2016/610 on a European Union military training mission in the Central African Republic

THE COUNCIL OF THE EUROPEAN UNION,

Having regard to the Treaty on European Union and in particular Article 42(4) and Article 43(2) thereof,

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

Whereas:

- (1) On 19 April 2016, the Council adopted Decision (CFSP) 2016/610 <sup>(1)</sup> which established a European Union CSDP Military Training Mission in the Central African Republic (EUTM RCA) with a mandate and a reference amount until 24 months after the Mission reached Full Operational Capability, i.e. until 19 September 2018.
- (2) Following the Strategic Review of the Mission, the Political and Security Committee recommended that the mandate of EUTM RCA be amended and extended until 19 September 2020.
- (3) Council Decision (CFSP) 2016/610 should be amended accordingly.
- (4) In accordance with Article 5 of the Protocol on the position of Denmark annexed to the Treaty on the European Union and to the Treaty on the Functioning of the European Union, Denmark does not participate in the elaboration and implementation of decisions and actions of the Union which have defence implications. Consequently, Denmark is not participating in the adoption of this Decision, is neither bound by it nor subject to its application and does not participate in the financing of this mission,

HAS ADOPTED THIS DECISION:

#### *Article 1*

Decision (CFSP) 2016/610 shall be amended as follows:

(a) In Article 1(2), point (a) is replaced by the following:

‘(a) strategic advice to the President’s cabinet, the Ministry of Defence, the Military Staff and the Armed Forces and advice on civil-military cooperation including to the Ministry of the Interior and the Gendarmerie;’

(b) In Article 10, paragraph 2 is replaced by the following:

‘2. The financial reference amount for the common costs of EUTM RCA for the period until 19 September 2018 shall be EUR 18 180 000. The percentage of this reference amount referred to in Article 25(1) of Decision (CFSP) 2015/528 shall be 15 % and the percentage referred to in Article 34(3) of that Decision shall be 60 % for commitment and 15 % of payment.

3. The financial reference amount for the common costs of EUTM RCA for the period from 20 September 2018 until 19 September 2020 shall be EUR 25 439 596. The percentage of this reference amount referred to in Article 25(1) of Decision (CFSP) 2015/528 shall be 0 % and the percentage referred to in Article 34(3) of that Decision shall be 30 % for commitment and 0 % of payment.’;

<sup>(1)</sup> OJ L 104, 20.4.2016, p. 21.

(c) In Article 13, paragraph 2 is replaced by the following:

‘2. EUTM RCA shall end on 19 September 2020.’

*Article 2*

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

Done at Brussels, 30 July 2018.

*For the Council*  
*The President*  
G. BLÜMEL

---

**COUNCIL DECISION (CFSP) 2018/1083****of 30 July 2018****amending Joint Action 2008/851/CFSP on a European Union military operation to contribute to the deterrence, prevention and repression of acts of piracy and armed robbery off the Somali coast**

THE COUNCIL OF THE EUROPEAN UNION,

Having regard to the Treaty on European Union, and in particular Article 42(4) and Article 43(2) thereof,

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

Whereas:

- (1) On 10 November 2008, the Council adopted Joint Action 2008/851/CFSP <sup>(1)</sup> establishing the EU military operation Atalanta ('Atalanta').
- (2) On 28 November 2016, Council Decision (CFSP) 2016/2082 <sup>(2)</sup> amended Joint Action 2008/851/CFSP and extended Atalanta until 31 December 2018.
- (3) The strategic review of Atalanta in 2018 led to the conclusion that the operation's mandate should be extended to 31 December 2020.
- (4) On 29 March 2017, the United Kingdom of Great Britain and Northern Ireland notified the European Council, in accordance with Article 50(2) of the Treaty, of its intention to withdraw from the European Union.
- (5) Having regard to Article 50(3) of the Treaty, a new EU Operation Commander should be appointed and a new EU Operation Headquarters, including the Maritime Security Centre Horn of Africa (MSCHOA), should be designated, as of 29 March 2019 at 12.00 hours CET.
- (6) On 19 June 2018, the Political and Security Committee agreed to the offer by Spain and France regarding the transfer of Atalanta's command and control structures.
- (7) The Member States making the new command structures available should benefit from the funding of common costs under Council Decision (CFSP) 2015/528 <sup>(3)</sup> establishing a mechanism to administer the financing of the common costs of Union operations that have military or defence implications.
- (8) Joint Action 2008/851/CFSP should be amended accordingly.
- (9) In accordance with Article 5 of Protocol No 22 on the position of Denmark annexed to the Treaty on European Union and to the Treaty on the Functioning of the European Union, Denmark does not participate in the elaboration and implementation of decisions and actions of the Union which have defence implications. Denmark does not participate in the implementation of this Decision and does not participate in the financing of the operation,

HAS ADOPTED THIS DECISION:

*Article 1*

Joint Action 2008/851/CFSP is hereby amended as follows:

- (1) Article 3 is replaced by the following:

*'Article 3***Appointment of the EU Operation Commander**

Vice Admiral Antonio MARTORELL LACAVE is hereby appointed to succeed Major General Charlie STICKLAND OBE RM as the EU Operation Commander from 29 March 2019 at 12.00 hours CET.'

<sup>(1)</sup> Council Joint Action 2008/851/CFSP of 10 November 2008 on a European Union military operation to contribute to the deterrence, prevention and repression of acts of piracy and armed robbery off the Somali coast (OJ L 301, 12.11.2008, p. 33).

<sup>(2)</sup> Council Decision (CFSP) 2016/2082 of 28 November 2016 amending Joint Action 2008/851/CFSP on a European Union military operation to contribute to the deterrence, prevention and repression of acts of piracy and armed robbery off the Somali coast (OJ L 321, 29.11.2016, p. 53).

<sup>(3)</sup> Council Decision (CFSP) 2015/528 of 27 March 2015 establishing a mechanism to administer the financing of the common costs of European Union operations having military or defence implications (Athena) and repealing Decision 2011/871/CFSP (OJ L 84, 28.3.2015, p. 39).

(2) Article 4 is replaced by the following:

*'Article 4*

**Designation of the EU Operation Headquarters**

1. The EU Operation Headquarters shall be located at Northwood, United Kingdom, until 29 March 2019 at 12.00 hours CET.

2. As from 29 March 2019 at 12.00 hours CET, the EU Operation Headquarters shall be located at Rota, Spain, with the exception of the Maritime Security Centre Horn of Africa (MSCHOA), which shall be located at Brest, France.'

(3) In Article 14, the following paragraph is added:

'6. The financial reference amount for the common costs of the EU military operation for the period from 1 January 2019 until 31 December 2020 shall be EUR 11 777 000. The percentage of the reference amount referred to in Article 25(1) of Decision (CFSP) 2015/528 shall be 0 %.'

(4) The following article is inserted:

*'Article 14 a*

**Transitory financial arrangements**

1. From 1 September 2018, expenditure incurred by the EU Operation Commander appointed in Article 3 and the EU Operation Headquarters designated in Article 4(2) shall be financed in accordance with Decision (CFSP) 2015/528.

2. The Council hereby authorises Spain and France to pre-finance common costs incurred pursuant to paragraph 1 and to seek reimbursement thereof in accordance with Article 27 of Council Decision (CFSP) 2015/528.'

(5) In Article 16, paragraph 3 is replaced by the following:

'3. The EU operation shall terminate on 31 December 2020.'

*Article 2*

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

Done at Brussels, 30 July 2018.

*For the Council*

*The President*

G. BLÜMEL

---

**COUNCIL DECISION (CFSP) 2018/1084****of 30 July 2018****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) 2018/475**

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 21 March 2018, the Council adopted Decision (CFSP) 2018/475 <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 the names of persons, groups and entities on the list at regular intervals 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) 2018/475 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) 2018/475 is repealed.

*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, 30 July 2018.

*For the Council*

*The President*

G. BLÜMEL

---

<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) 2018/475 of 21 March 2018 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) 2017/1426 (OJ L 79, 22.3.2018, p. 26).

## ANNEX

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

## I. PERSONS

1. ABDOLLAHI Hamed (a.k.a. Mustafa Abdullahi), born 11.8.1960 in Iran. Passport number: 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 6.3.1955 or 15.3.1955 in Iran. Iranian and US national. Passport number: C2002515 (Iran); Passport number: 477845448 (USA). National ID no.: 07442833, expiry date 15.3.2016 (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), Lebanon, born in 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 number: 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 11.3.1957 in Iran. Iranian national. Passport number: 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. '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').
  19. 'Sendero Luminoso' — 'SL' ('Shining Path').
  20. 'Teyrbazen Azadiya Kurdistan' — 'TAK' (a.k.a. 'Kurdistan Freedom Falcons', a.k.a. 'Kurdistan Freedom Hawks').
-

**COUNCIL DECISION (CFSP) 2018/1085****of 30 July 2018****amending Decision 2014/145/CFSP concerning restrictive measures in respect of actions undermining or threatening the territorial integrity, sovereignty and independence of Ukraine**

THE COUNCIL OF THE EUROPEAN UNION,

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

Having regard to Council Decision 2014/145/CFSP of 17 March 2014 concerning restrictive measures in respect of actions undermining or threatening the territorial integrity, sovereignty and independence of Ukraine <sup>(1)</sup>, and in particular Article 3(1) thereof,

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

Whereas:

- (1) On 17 March 2014, the Council adopted Decision 2014/145/CFSP.
- (2) As part of the Union's non-recognition policy of the illegal annexation of Crimea and Sevastopol, the Council regards the construction of the Kerch Bridge as a further action undermining the territorial integrity, sovereignty and independence of Ukraine.
- (3) The construction of this bridge and its official opening, on 15 May 2018, are key symbolic steps in consolidating the Russian Federation's control over the illegally annexed Crimea and Sevastopol and further isolating the peninsula from Ukraine.
- (4) In view of the above, additional entities should be added to the list of persons, entities and bodies subject to restrictive measures as set out in the Annex to Decision 2014/145/CFSP.
- (5) The Annex to Decision 2014/145/CFSP should be amended accordingly,

HAS ADOPTED THIS DECISION:

*Article 1*

The entities listed in the Annex to this Decision shall be added to the list of entities set out in the Annex to Decision 2014/145/CFSP.

*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, 30 July 2018.

*For the Council*  
*The President*  
G. BLÜMEL

---

<sup>(1)</sup> OJ L 78, 17.3.2014, p. 16.

## ANNEX

List of entities referred to in Article 1:

	Name	Identifying information	Reasons	Date of listing
42.	АО "Institute Giprostroykost — Saint-Petersburg" АО Институт Гипростройкост – Санкт-Петербург	Address: 7 Yablochkova street, St. Petersburg, 197198 Russia Website: <a href="http://gpsm.ru">http://gpsm.ru</a> Email: <a href="mailto:office@gpsm.ru">office@gpsm.ru</a>	АО "Institute Giprostroykost — Saint-Petersburg" participated in the construction of the Kerch Bridge through its design of the Bridge, connecting Russia to the illegally annexed Crimean peninsula. Therefore it is supporting the consolidation of the illegally annexed Crimean peninsula into the Russian Federation, which in turn further undermines the territorial integrity, sovereignty and independence of Ukraine.	31.7.2018
43.	PJSC Mostotrest ПАО Мостотрест	Address: 6 Barklaya street, Bld. 5 Moscow, 121087 Russia	PJSC Mostotrest actively participated in the construction of the Kerch Bridge through its state contract for the maintenance of the bridge, connecting Russia to the illegally annexed Crimean peninsula. Furthermore it is owned by an individual (Arkady Rotenberg) that is already designated for his actions undermining Ukrainian sovereignty (person No 92 in this Annex). Therefore the company is supporting the consolidation of the illegally annexed Crimean peninsula into the Russian Federation, which in turn further undermines the territorial integrity, sovereignty and independence of Ukraine.	31.7.2018
44.	JSC Zaliv Shipyard Судостроительный завод 'Залив'	Address: 4 Tankistov street, 298310 Kerch, Crimea Website: <a href="http://zalivkerch.com">http://zalivkerch.com</a>	JSC Zaliv Shipyard actively participated in the construction of new railway to the Kerch Bridge, connecting Russia to the illegally annexed Crimean peninsula. Therefore it is supporting the consolidation of the illegally annexed Crimean peninsula into the Russian Federation, which in turn further undermines the territorial integrity, sovereignty and independence of Ukraine.	31.7.2018
45.	Stroygazmontazh Corporation (SGM Group) ООО Стройгазмонтаж (груп СГМ)	Address: Prospect Vernadskogo 53 Moscow, 119415 Russia Website: <a href="http://www.oosgm.com">www.oosgm.com</a>	Stroygazmontazh Corporation (SGM Group) actively participated in the construction of the Kerch Bridge through its state contract for the construction of the bridge connecting Russia to the illegally annexed Crimean peninsula.  Furthermore it is owned by an individual (Arkady Rotenberg) that is already designated for his actions undermining Ukrainian sovereignty (person No 92 in this Annex). Therefore the company is supporting the consolidation of the illegally annexed Crimean peninsula into the Russian Federation, which in turn further undermines the territorial integrity, sovereignty and independence of Ukraine.	31.7.2018

	Name	Identifying information	Reasons	Date of listing
46.	Stroygazmontazh Most OOO ООО Стройгазмонтаж-Мост	Address: Barklaya street 6, building 7 Moscow, 121087 Russia Registration ID: 1157746088170 Tax ID No: 7730018980 Website: <a href="http://kerch-most.ru/tag/sgam-most">http://kerch-most.ru/tag/sgam-most</a> Email: <a href="mailto:kerch-most@yandex.ru">kerch-most@yandex.ru</a>	Stroygazmontazh Most OOO is a subsidiary of lead contractor Stroygazmontazh that manages the construction project of the bridge over the Kerch Strait. Furthermore it is owned by an individual (Arkady Rotenberg) that is already designated for his actions undermining Ukrainian sovereignty (person No 92 in this Annex). Therefore the company is supporting the consolidation of the illegally annexed Crimean peninsula into the Russian Federation, which in turn further undermines the territorial integrity, sovereignty and independence of Ukraine.	31.7.2018
47.	CJSC VAD AKTIONERNOE OBSHCHESTVO VAD АО «ВАД»	Address: 133 Chernyshevskogo street, Vologda, Vologodskaya Oblast, 160019 Russia 122, Grazhdanskiy Prospect, suite 5, Liter A, St. Petersburg, 195267 Russia Registration ID: 1037804006811 (Russia) Tax ID No: 7802059185 Website: <a href="http://www.zaovad.com">www.zaovad.com</a> Email: <a href="mailto:office@zaovad.com">office@zaovad.com</a>	CJSC VAD is the main contractor for the construction of the Tavrida Highway in Crimea, the road over the Kerch Bridge and the access roads to it. Tavrida Highway will provide transportation access to Crimea through a system of newly constructed roadways that serve as a primary connection to the Kerch Bridge. Therefore CJSC VAD is supporting the consolidation of the illegally annexed Crimean peninsula into the Russian Federation, which in turn further undermines the territorial integrity, sovereignty and independence of Ukraine.	31.7.2018'

**COUNCIL IMPLEMENTING DECISION (CFSP) 2018/1086**  
**of 30 July 2018**  
**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(2) 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.
- (2) In accordance with Article 17(2) of Decision (CFSP) 2015/1333, the Council has reviewed the list of designated persons and entities set out in Annex II and Annex IV to that Decision.
- (3) The Council concluded that one person should no longer be kept on the list of persons and entities set out in Annex II and IV to Decision (CFSP) 2015/1333.
- (4) Decision (CFSP) 2015/1333 should be amended accordingly,

HAS ADOPTED THIS DECISION:

*Article 1*

Annex II and Annex IV to Decision (CFSP) 2015/1333 are amended as set out in the Annex to this Decision.

*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, 30 July 2018.

*For the Council*  
*The President*  
G. BLÜMEL

---

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

## ANNEX

1. In Decision (CFSP) 2015/1333, Annex II ('List of persons and entities referred to in Article 8(2)'), Part A (Persons) entry No 3 (concerning ASHKAL, Omar) is deleted and the remaining entries are renumbered accordingly.
  2. In Decision (CFSP) 2015/1333, Annex IV ('List of persons and entities referred to in Article 9(2)'), Part A (Persons) entry No 3 (concerning ASHKAL, Omar) is deleted and the remaining entries are renumbered accordingly.
-

**COUNCIL DECISION (CFSP) 2018/1087****of 30 July 2018****amending Decision (CFSP) 2016/849 concerning restrictive measures against the Democratic People's Republic of Korea**

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 27 May 2016, the Council adopted Decision (CFSP) 2016/849 <sup>(1)</sup> concerning restrictive measures against the Democratic People's Republic of Korea.
- (2) In accordance with Article 36(2) of Decision (CFSP) 2016/849, the Council has reviewed the list of designated persons and entities set out in Annexes II, III, V and VI to that Decision.
- (3) The Council concluded that Decision (CFSP) 2016/849, including certain entries concerning the persons and entities set out in Annexes II and III thereto, should be updated.
- (4) Decision (CFSP) 2016/849 should therefore be amended accordingly,

HAS ADOPTED THIS DECISION:

*Article 1*

Decision (CFSP) 2016/849 is amended as follows:

- (1) paragraphs 1 and 2 of Article 23 are replaced by the following:

*'Article 23*

1. Member States shall take the necessary measures to prevent the entry into, or transit through, their territories of:
  - (a) the persons designated by the Sanctions Committee or by the UN Security Council as being responsible for, including through supporting or promoting, the DPRK's policies in relation to its nuclear-related, ballistic-missile-related or other weapons of mass destruction-related programmes, together with their family members, or persons acting on their behalf of or at their direction, as listed in Annex I;
  - (b) the persons not covered by Annex I, as listed in Annex II, who:
    - (i) are responsible for, including through supporting or promoting, the DPRK's nuclear-related, ballistic-missile-related or other weapons of mass destruction-related programmes or persons acting on their behalf or at their direction,
    - (ii) provide financial services or the transfer to, through, or from the territory of Member States, or involving nationals of Member States or entities organised under their laws, or persons or financial institutions in their territory, of any financial or other assets or resources that could contribute to the DPRK's nuclear-related, ballistic-missile-related or other weapons of mass destruction-related programmes,
    - (iii) are involved in, including through the provision of financial services, the supply to or from the DPRK of arms and related materiel of all types, or the supply to the DPRK of items, materials, equipment, goods and technology which could contribute to the DPRK's nuclear-related, ballistic-missile-related or other weapons of mass destruction-related programmes;
  - (c) the persons not covered by Annex I or Annex II working on behalf or at the direction of a person or entity listed in Annex I or Annex II or persons assisting in the evasion of sanctions or violating the provisions of UNSCRs 1718 (2006), 1874 (2009), 2087 (2013), 2094 (2013), 2270 (2016), 2321 (2016), 2356 (2017), 2371 (2017), 2375 (2017) or 2397(2017) or of this Decision, as listed in Annex III to this Decision;

<sup>(1)</sup> Council Decision (CFSP) 2016/849 of 27 May 2016 concerning restrictive measures against the Democratic People's Republic of Korea and repealing Decision 2013/183/CFSP (OJ L 141, 28.5.2016, p. 79).

- (d) persons acting on behalf or at the direction of the entities of the Government of the DPRK or the Workers' Party that the Council determines are associated with the DPRK's nuclear or ballistic-missile programmes or other activities prohibited by UNSCRs 1718 (2006), 1874 (2009), 2087 (2013), 2094 (2013), 2270 (2016), 2321 (2016), 2356 (2017), 2371 (2017), 2375 (2017) or 2397 (2017) that are not covered by Annex I, II or III, as listed in Annex V to this Decision.

2. Point (a) of paragraph 1 shall not apply where the Sanctions Committee determines on a case-by-case basis that such travel is justified on the grounds of humanitarian need, including religious obligations, or where the Sanctions Committee concludes that an exemption would otherwise further the objectives of UNSCRs 1718 (2006), 1874 (2009), 2087 (2013), 2094 (2013), 2270 (2016), 2321 (2016), 2356 (2017), 2371 (2017), 2375 (2017) or 2397 (2017).;

(2) Article 27(1) is replaced by the following:

'1. All funds and economic resources belonging to or owned, held or controlled, directly or indirectly, by the following persons and entities shall be frozen:

- (a) the persons and entities designated by the Sanctions Committee or by the UN Security Council as being engaged in or providing support for, including through illicit means, the DPRK's nuclear-related, ballistic-missile-related or other weapons of mass destruction-related programmes, or persons or entities acting on their behalf or at their direction, or entities owned or controlled by them, including through illicit means, as listed in Annex I;

(b) the persons and entities not covered by Annex I, as listed in Annex II, that:

- (i) are responsible for, including through supporting or promoting, the DPRK's nuclear-related, ballistic-missile-related or other weapons of mass destruction related programmes or persons or entities acting on their behalf or at their direction, or entities owned or controlled by them, including through illicit means,
- (ii) provide financial services or the transfer to, through, or from the territory of Member States, or involving nationals of Member States or entities organised under their laws, or persons or financial institutions in their territory, of any financial or other assets or resources that could contribute to the DPRK's nuclear-related, ballistic-missile-related or other weapons of mass destruction-related programmes, or persons or entities acting on their behalf or at their direction, or entities owned or controlled by them,
- (iii) are involved, including through the provision of financial services, in the supply to or from the DPRK of arms and related materiel of all types, or the supply to the DPRK of items, materials, equipment, goods and technology which could contribute to the DPRK's nuclear-related, ballistic-missile-related or other weapons of mass destruction-related programmes;

(c) the persons and entities not covered by Annex I or Annex II working on behalf or at the direction of a person or entity listed in Annex I or Annex II or persons assisting in the evasion of sanctions or violating the provisions of UNSCRs 1718 (2006), 1874 (2009), 2087 (2013), 2094 (2013), 2270 (2016), 2321 (2016), 2356 (2017), 2371 (2017), 2375 (2017) or 2397(2017) or of this Decision, as listed in Annex III to this Decision;

(d) entities of the Government of the DPRK or the Workers' Party of Korea, or persons or entities acting on their behalf or at their direction, or entities owned or controlled by them, that the Council determines are associated with the DPRK's nuclear or ballistic-missile programmes or other activities prohibited by UNSCRs 1718 (2006), 1874 (2009), 2087 (2013), 2094 (2013), 2270 (2016), 2321 (2016), 2356 (2017), 2371 (2017), 2375 (2017) or 2397 (2017), and that are not covered by Annex I, II or III, as listed in Annex V to this Decision.;

(3) Article 34(2) is replaced by the following:

'2. Where the Council decides to subject a person or entity to the measures referred to in Article 18b(4) or (5), points (b), (c) or (d) of Article 23(1), or points (b), (c) or (d) of Article 27(1), it shall amend Annex II, III, V or VI accordingly.;

(4) Article 35 is replaced by the following:

'Article 35

1. Annexes I, II, III, IV, V and VI shall include the grounds for listing of listed persons, entities and vessels, as provided by the UN Security Council or by the Sanctions Committee with regard to Annex I and Annex IV.

2. Annexes I, II, III, IV, V and VI shall also include, where available, information necessary to identify the persons, entities or vessels concerned, as provided by the UN Security Council or by the Sanctions Committee with regard to Annex I and Annex IV. With regard to persons, such information may include names, including aliases, date and place of birth, nationality, passport and ID card numbers, gender, address, if known, and function or profession. With regard to entities, such information may include names, place and date of registration, registration number and place of business. Annex I shall also include the date of designation by the UN Security Council or by the Sanctions Committee.’;

(5) Article 36(2) is replaced by the following:

‘2. The measures referred to in Article 18b(4) and (5), points (b), (c) and (d) of Article 23(1) and points (b), (c) and (d) of Article 27(1) shall be reviewed at regular intervals and at least every 12 months. They shall cease to apply in respect of the persons and entities concerned if the Council determines, in accordance with the procedure referred to in Article 33(2), that the conditions for their application are no longer met.’;

(6) Annexes II and III to Decision (CFSP) 2016/849 are 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, 30 July 2018.

*For the Council*  
*The President*  
G. BLÜMEL

---

## ANNEX

1. Annex II to Decision (CFSP) 2016/849, under the heading 'I. Persons and entities responsible for the DPRK's nuclear-related, ballistic-missile-related or other weapons of mass destruction-related programmes or persons or entities acting on their behalf or at their direction, or entities owned or controlled by them', subheading 'A. Persons', is amended as follows:

(a) the existing entries are renumbered 1-30;

(b) the following entries are replaced as follows:

	Name	Alias	Identifying information	Date of designation	Statement of Reasons
3.	HYON Chol-hae	HYON Chol Hae	DOB:1934 POB: Manchuria, China	22.12.2009	Korean People's Army Marshal since April 2016. Former Deputy Director of the General Political Department of the Korean People's Army (military adviser to late Kim Jong-Il). Elected Workers' Party of Korea Central Committee member in May 2016 at 7th Congress of Workers' Party of Korea where WPK adopted a decision to continue the DPRK's nuclear programme.
6.	PAK Jae-gyong	Chae-Kyong PAK Jae Gyong	DOB: 1933 Passport number: 554410661	22.12.2009	Former Deputy Director of the General Political Department of the People's Armed Forces and former Deputy Director of the Logistics Bureau of the People's Armed Forces (military adviser to late Kim Jong-Il). Present at KIM Jong Un's inspection of Strategic Rocket Force Command. Member of the Central Committee of the Workers' Party of Korea.
16.	KIM Jong-gak	KIM Jong Gak	DOB: 20.7.1941 POB: Pyongyang, DPRK	20.5.2016	Former Director of the General Political Department of the Korean's People's Army. Vice Marshal in the Korean People's Army, rector of the Military University of Kim Il-Sung, former member of the Central Military Commission of the Workers' Party of Korea, which is a key body for national defence matters in the DPRK. As such, responsible for supporting or promoting the DPRK's nuclear-related, ballistic-missile-related or other weapons of mass destruction-related programmes.
18.	KIM Won-hong	KIM Won Hong	DOB: 7.1.1945 POB: Pyongyang, DPRK Passport no: 745310010	20.5.2016	General. First Deputy Director of the General Political Department of the Korean People's Army. Former Director of the State Security Department. Former Minister of State Security. Member of the Central Military Commission of the Workers' Party of Korea and National Defence Commission which was a key body for national defence matters in the DPRK before it was reformed into the State Affairs Commission (SAC), which are the key bodies for national defence matters in the DPRK. As such, responsible for supporting or promoting the DPRK's nuclear-related, ballistic-missile-related or other weapons of mass destruction-related programmes.

	Name	Alias	Identifying information	Date of designation	Statement of Reasons
21.	SON Chol-ju	SON Chol Ju		20.5.2016	Colonel General of the Korean People's Army. Deputy Director responsible for organisation of the Korea People's Army and former Political Director of the Air and Anti-Air forces, which oversees the development of modernised anti-aircraft rockets. As such, responsible for supporting or promoting the DPRK's nuclear-related, ballistic-missile-related or other weapons of mass destruction-related programmes.'

2. In Annex II to Decision (CFSP) 2016/849, under the heading 'I. Persons and entities responsible for the DPRK's nuclear-related, ballistic-missile-related or other weapons of mass destruction-related programmes or persons or entities acting on their behalf or at their direction, or entities owned or controlled by them', subheading 'B. Entities', the existing entries are renumbered 1-5.

3. Annex II to Decision (CFSP) 2016/849, under the heading 'II. Persons and entities providing financial services or the transfer of assets or resources that could contribute to the DPRK's nuclear-related, ballistic-missile-related or other weapons of mass destruction-related programmes', subheading 'A. persons', is amended as follows:

(a) the following entries are replaced as follows:

	Name	Alias	Identifying information	Date of designation	Statement of Reasons
'10.	DJANG Tcheul Hy	JANG Tcheul-hy, JANG Cheul-hy, JANG Chol-hy, DJANG Cheul-hy, DJANG Chol-hy, DJANG Tchoul-hy, KIM Tcheul-hy	DOB: 11.5.1950 POB: Kangwon	20.4.2018	DJANG Tcheul Hy has been involved together with her husband KIM Yong Nam, her son KIM Su Gwang and her daughter-in-law KIM Kyong Hui in a pattern of deceptive financial practices which could contribute to the DPRK's nuclear-related, ballistic-missile-related or other weapons of mass destruction-related programmes. She was the owner of several bank accounts in the Union which were opened by her son KIM Su Gwang in her name. She was also involved in several bank transfers from accounts from her daughter-in-law KIM Kyong Hui to bank accounts outside the Union.
11.	KIM Su Gwang	KIM Sou-Kwang, KIM Sou-Gwang, KIM Son-Kwang, KIM Su-Kwang, KIM Soukwang, KIM Su-gwang, KIM Son-gwang	DOB: 18.8.1976 POB: Pyongyang, DPRK Diplomat, DPRK Embassy, Belarus	20.4.2018	KIM Su Gwang has been identified by the Panel of Experts as an agent of the Reconnaissance General Bureau, an entity which has been designated by the United Nations. He and his father KIM Yong Nam have been identified by the Panel of Experts as engaging in a pattern of deceptive financial practices which could contribute to the DPRK's nuclear-related, ballistic-missile-related or other weapons of mass destruction-related programmes. KIM Su Gwang has opened multiple bank accounts in several Member States, including under family members' names. He has been involved in various large bank transfers to bank accounts in the Union or to accounts outside the Union while working as a diplomat, including to accounts in the name of his spouse KIM Kyong Hui.'

(b) the entries are renumbered 1-6.

4. In Annex III to Decision (CFSP) 2016/849, under the heading 'List of persons referred to in point (c) of Article 23(1) and point (c) of Article 27(1)', subheading 'A. Persons', the following entry is replaced as follows:

	Name	Identifying information	Date of designation	Reasons
'4.	JON Chol Young a.k.a: JON Chol Yong	Passport number: 563410192 Diplomat DPRK Embassy, Angola Date of birth: 30.4.1975	22.1.2018	Representative in Angola of Green Pine Associated Corporation and DPRK diplomat accredited to Angola.  Green Pine has been designated by the UN for activities including violating the UN arms embargo. Green Pine has also negotiated contracts for the refurbishment of Angolan naval vessels in violation of the prohibitions imposed by United Nations Security Council Resolutions.'

## ACTS ADOPTED BY BODIES CREATED BY INTERNATIONAL AGREEMENTS

**DECISION No 1/2018 OF THE EPA COMMITTEE SET UP BY THE STEPPING STONE ECONOMIC PARTNERSHIP AGREEMENT BETWEEN CÔTE D'IVOIRE, OF THE ONE PART, AND THE EUROPEAN COMMUNITY AND ITS MEMBER STATES, OF THE OTHER PART,**

**of 22 March 2018**

**regarding the adoption of the rules of procedure of the EPA Committee [2018/1088]**

THE EPA COMMITTEE,

Having regard to the Stepping Stone Economic Partnership Agreement between Côte d'Ivoire, of the one part, and the European Community and its Member States, of the other part <sup>(1)</sup>, ('the Agreement') signed in Abidjan on 26 November 2008 and in Brussels on 22 January 2009, and provisionally applied since 3 September 2016, and in particular Article 73 thereof,

Whereas the Agreement provides that the EPA Committee is to determine the rules governing its organisation and operation,

HAS ADOPTED THIS DECISION:

### *Article 1*

The rules of procedure of the EPA Committee are established as set out in the Annex.

### *Article 2*

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

Done at Abidjan, 22 March 2018.

*For the Republic of Côte d'Ivoire*  
Ally COULIBALY

*For the European Union*  
Cecilia MALMSTRÖM

---

<sup>(1)</sup> OJ L 59, 3.3.2009, p. 3.

## ANNEX

## RULES OF PROCEDURE OF THE EPA COMMITTEE

**set up by the stepping stone economic partnership Agreement between Côte d'Ivoire, of the one part, and the European Community and its Member States, of the other part***Article 1***Composition and Chair**

1. The EPA Committee shall be composed of representatives of the members of the Council of the European Union and of the European Commission, of the one part, and representatives of Côte d'Ivoire, at ministerial or senior official level, of the other part.
2. Reference to 'the Parties' in the rules of procedure is in accordance with the definition provided for in Article 72 of the Agreement.
3. The EPA Committee shall be chaired alternately for periods of 12 months by a representative of the European Union and by a representative of Côte d'Ivoire. The first period shall begin on the date of the first meeting of the EPA Committee provided for in the Agreement and shall end on 31 December of the following year. The first Chairperson of the EPA Committee (the 'Chairperson') shall be a representative of Côte d'Ivoire.
4. Representatives of the West African Economic and Monetary Union (WAEMU) and the Economic Community of West African States (ECOWAS) commissions may be invited by the Parties to attend EPA Committee meetings. The Parties may also decide to invite representatives of civil society and the private sector, as well as experts, on an ad hoc basis, to meetings of the EPA Committee as observers.

*Article 2***Meetings**

1. The EPA Committee shall meet at regular intervals, not exceeding a period of one year, and shall hold extraordinary meetings whenever circumstances so require, if the Parties so agree.
2. Each meeting of the EPA Committee shall be held at a date and place agreed by the Parties.
3. Meetings of the EPA Committee shall be convened by the Chairperson.

*Article 3***Delegations**

Before each meeting, the Chairperson shall be informed of the intended composition of the Côte d'Ivoire and of the European Union delegations.

*Article 4***Secretariat**

Officials of the European Commission and of Côte d'Ivoire shall act alternately for periods of 12 months as the secretariat of the EPA Committee (the 'secretariat'). Those periods shall coincide with the alternating Chair of the EPA Committee by the European Union and by Côte d'Ivoire. The Party providing the Chairperson shall also run the secretariat.

*Article 5***Sub-Committees**

For the effective performance of its tasks, the EPA Committee may set up under its authority sub-committees responsible for dealing with specific subjects under the Agreement. To this end, the EPA Committee shall determine the composition and tasks of such sub-committees.

*Article 6***Documentation**

Where the deliberations of the EPA Committee are based on written supporting documents, such documents shall be numbered and circulated by the secretariat as EPA Committee documents.

*Article 7***Correspondence**

1. All correspondence addressed to the EPA Committee shall be directed to the secretariat.
2. The secretariat shall ensure that correspondence addressed to the EPA Committee is forwarded to the Chairperson and, where appropriate, circulated as EPA Committee documents to the designated correspondents of the Parties provided for in Article 73 of the Agreement (the 'correspondents').
3. Correspondence from the Chairperson shall be sent to the correspondents by the secretariat and, where appropriate, circulated as EPA Committee documents.

*Article 8***Agendas for meetings**

1. A provisional agenda for each meeting shall be drawn up by the secretariat on the basis of proposals made by the Parties. It shall be forwarded by the secretariat to the correspondents no later than 15 days before the start of the meeting.
2. The provisional agenda shall include the items for which a request for inclusion in the agenda has been received by the secretariat no later than 21 days before the start of the meeting, and for which the relevant supporting documents have been received by the secretariat no later than the date of dispatch of that provisional agenda.
3. The agenda shall be adopted by the EPA Committee at the beginning of each meeting. Items other than those listed on the provisional agenda may be placed on the agenda if the Parties so agree.
4. The Chairperson, in agreement with the Parties, may invite experts to attend the EPA Committee's meetings in order to provide information on specific subjects.
5. With the agreement of the Parties, the secretariat may shorten the time limit specified in paragraph 1 in order to take account of the requirements of a particular case.

*Article 9***Minutes**

1. Draft minutes of each meeting shall be drawn up by the secretariat as soon as possible.
2. The minutes shall, as a general rule, summarise each item on the agenda, specifying where applicable:
  - (a) all the documents submitted to the EPA Committee;
  - (b) any statement that a member of the EPA Committee has asked to be entered;
  - (c) the decisions adopted, recommendations made, statements agreed upon and conclusions adopted on specific items.
3. The minutes shall also include a list of the persons attending the EPA Committee meeting and a list of the members of the delegations accompanying them.
4. The minutes shall be approved in writing by both Parties within two months of the date of the meeting. Once approved, two copies of the minutes shall be signed by the secretariat, and each of the Parties shall receive an original copy of these authentic documents.

*Article 10***Decisions and recommendations**

1. The EPA Committee shall adopt its decisions and recommendations by consensus.
2. The EPA Committee may decide to submit any general matter, which is of mutual interest to the African, Caribbean and Pacific States (ACP) and the European Union ('ACP-EU'), that arises in relation to the implementation of the Agreement to the ACP-EU Council of Ministers as defined in Article 15 of the the Partnership Agreement between the members of the African, Caribbean and Pacific Group of States, of the one part, and the European Community and its Member States, of the other part (the 'Cotonou Agreement').
3. In the period between meetings, the EPA Committee may adopt decisions or recommendations by written procedure if both Parties so agree. A written procedure shall consist of an exchange of notes between the Parties.
4. Each decision or recommendation of the EPA Committee shall be entitled, respectively, 'Decision' or 'Recommendation' followed by a serial number, the date of its adoption and a description of its subject matter. Each decision or recommendation shall indicate the date of its entry into force.

5. Decisions and recommendations adopted by the EPA Committee shall be authenticated by a representative of the European Commission on behalf of the European Union and by a representative of Côte d'Ivoire.
6. Decisions and recommendations shall be forwarded to the Parties as EPA Committee documents.

*Article 11*

**Public access**

1. Unless otherwise decided by the Parties, meetings of the EPA Committee shall not be public.
2. Each Party may decide to publish the decisions of the EPA Committee in its respective official publication.

*Article 12*

**Language regime**

1. The working language of the EPA Committee shall be the official language common to the Parties.
2. The EPA Committee shall discuss and adopt decisions and recommendations on the basis of documentation and proposals prepared in the language referred to in paragraph 1.

*Article 13*

**Expenditure**

1. Each Party shall meet any expenses it incurs as a result of attending the meetings of the EPA Committee, both with regard to staff, travel and subsistence expenditure as well as with regard to postal and telecommunications expenditure.
  2. Expenditure in connection with the organisation of meetings and reproduction of documents shall be borne by the Party hosting the meeting.
  3. Expenditure in connection with the provision of interpretation services at meetings and translation of documents into the working language shall be borne by the Party hosting the meeting. Expenditure in connection with the provision of interpretation services and translation of documents into or from other official languages of the institutions of the European Union shall be borne by the European Union.
-





ISSN 1977-0677 (electronic edition)  
ISSN 1725-2555 (paper edition)



**Publications Office of the European Union**  
2985 Luxembourg  
LUXEMBOURG

**EN**