

STOCKHOLM CONVENTION

ON PERSISTENT ORGANIC POLLUTANTS (POPS)

TEXT AND ANNEXES

REVISED IN 2025

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INTRODUCTION

The Stockholm Convention on Persistent Organic Pollutants was adopted at a Conference of Plenipotentiaries on 22 May 2001 in Stockholm, Sweden. The Convention entered into force on 17 May 2004.

Since its adoption, the Stockholm Convention has seen the addition of Annex G on arbitration and conciliation procedures for settlement of disputes as well as a number of amendments to its Annexes A, B and C to eliminate and restrict additional persistent organic pollutants.

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The Secretariat of the Stockholm Convention, 2025.

STOCKHOLM CONVENTION ON PERSISTENT ORGANIC POLLUTANTS

The Parties to this Convention,

Recognizing that persistent organic pollutants possess toxic properties, resist degradation, bioaccumulate and are transported, through air, water and migratory species, across international boundaries and deposited far from their place of release, where they accumulate in terrestrial and aquatic ecosystems,

Aware of the health concerns, especially in developing countries, resulting from local exposure to persistent organic pollutants, in particular impacts upon women and, through them, upon future generations,

Acknowledging that the Arctic ecosystems and indigenous communities are particularly at risk because of the biomagnification of persistent organic pollutants and that contamination of their traditional foods is a public health issue,

Conscious of the need for global action on persistent organic pollutants,

Mindful of decision 19/13 C of 7 February 1997 of the Governing Council of the United Nations Environment Programme to initiate international action to protect human health and the environment through measures which will reduce and/or eliminate emissions and discharges of persistent organic pollutants,

Recalling the pertinent provisions of the relevant international environmental conventions, especially the Rotterdam Convention on the Prior Informed Consent Procedure for Certain Hazardous Chemicals and Pesticides in International Trade, and the Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal including the regional agreements developed within the framework of its Article 11,

Recalling also the pertinent provisions of the Rio Declaration on Environment and Development and Agenda 21,

Acknowledging that precaution underlies the concerns of all the Parties and is embedded within this Convention,

Recognizing that this Convention and other international agreements in the field of trade and the environment are mutually supportive,

Reaffirming that States have, in accordance with the Charter of the United Nations and the principles of international law, the sovereign right to exploit their own resources

pursuant to their own environmental and developmental policies, and the responsibility to ensure that activities within their jurisdiction or control do not cause damage to the environment of other States or of areas beyond the limits of national jurisdiction,

Taking into account the circumstances and particular requirements of developing countries, in particular the least developed among them, and countries with economies in transition, especially the need to strengthen their national capabilities for the management of chemicals, including through the transfer of technology, the provision of financial and technical assistance and the promotion of cooperation among the Parties,

Taking full account of the Programme of Action for the Sustainable Development of Small Island Developing States, adopted in Barbados on 6 May 1994,

Noting the respective capabilities of developed and developing countries, as well as the common but differentiated responsibilities of States as set forth in Principle 7 of the Rio Declaration on Environment and Development,

Recognizing the important contribution that the private sector and non-governmental organizations can make to achieving the reduction and/or elimination of emissions and discharges of persistent organic pollutants,

Underlining the importance of manufacturers of persistent organic pollutants taking responsibility for reducing adverse effects caused by their products and for providing information to users, Governments and the public on the hazardous properties of those chemicals,

Conscious of the need to take measures to prevent adverse effects caused by persistent organic pollutants at all stages of their life cycle,

Reaffirming Principle 16 of the Rio Declaration on Environment and Development which states that national authorities should endeavour to promote the internalization of environmental costs and the use of economic instruments, taking into account the approach that the polluter should, in principle, bear the cost of pollution, with due regard to the public interest and without distorting international trade and investment,

Encouraging Parties not having regulatory and assessment schemes for pesticides and industrial chemicals to develop such schemes,

Recognizing the importance of developing and using environmentally sound alternative processes and chemicals,

Determined to protect human health and the environment from the harmful impacts of persistent organic pollutants,

Have agreed as follows:

ARTICLE 1

Objective

Mindful of the precautionary approach as set forth in Principle 15 of the Rio Declaration on Environment and Development, the objective of this Convention is to protect human health and the environment from persistent organic pollutants.

ARTICLE 2

Definitions

For the purposes of this Convention:

- a) “Party” means a State or regional economic integration organization that has consented to be bound by this Convention and for which the Convention is in force;
- b) “Regional economic integration organization” means an organization constituted by sovereign States of a given region to which its member States have transferred competence in respect of matters governed by this Convention and which has been duly authorized, in accordance with its internal procedures, to sign, ratify, accept, approve or accede to this Convention;
- c) “Parties present and voting” means Parties present and casting an affirmative or negative vote.

ARTICLE 3

Measures to reduce or eliminate releases from intentional production and use

1. Each Party shall:
 - a) Prohibit and/or take the legal and administrative measures necessary to eliminate:
 - i. Its production and use of the chemicals listed in Annex A subject to the provisions of that Annex; and
 - ii. Its import and export of the chemicals listed in Annex A in accordance with the provisions of paragraph 2; and
 - b) Restrict its production and use of the chemicals listed in Annex B in accordance with the provisions of that Annex.

2. Each Party shall take measures to ensure:
 - a) That a chemical listed in Annex A or Annex B is imported only:
 - i. For the purpose of environmentally sound disposal as set forth in paragraph 1 (d) of Article 6; or
 - ii. For a use or purpose which is permitted for that Party under Annex A or Annex B;
 - b) That a chemical listed in Annex A for which any production or use specific exemption is in effect or a chemical listed in Annex B for which any production or use specific exemption or acceptable purpose is in effect, taking into account any relevant provisions in existing international prior informed consent instruments, is exported only:
 - i. For the purpose of environmentally sound disposal as set forth in paragraph 1 (d) of Article 6;
 - ii. To a Party which is permitted to use that chemical under Annex A or Annex B; or
 - iii. To a State not Party to this Convention which has provided an annual certification to the exporting Party. Such certification shall specify the intended use of the chemical and include a statement that, with respect to that chemical, the importing State is committed to:
 - a. Protect human health and the environment by taking the necessary measures to minimize or prevent releases;
 - b. Comply with the provisions of paragraph 1 of Article 6; and
 - c. Comply, where appropriate, with the provisions of paragraph 2 of Part II of Annex B.

The certification shall also include any appropriate supporting documentation, such as legislation, regulatory instruments, or administrative or policy guidelines. The exporting Party shall transmit the certification to the Secretariat within sixty days of receipt.

- c) That a chemical listed in Annex A, for which production and use specific exemptions are no longer in effect for any Party, is not exported from it except for the purpose of environmentally sound disposal as set forth in paragraph 1 (d) of Article 6;
- d) For the purposes of this paragraph, the term “State not Party to this Convention” shall include, with respect to a particular chemical, a State or regional economic integration organization that has not agreed to be bound by the Convention with respect to that chemical.

3. Each Party that has one or more regulatory and assessment schemes for new pesticides or new industrial chemicals shall take measures to regulate with the aim of preventing the production and use of new pesticides or new industrial chemicals which, taking into consideration the criteria in paragraph 1 of Annex D, exhibit the characteristics of persistent organic pollutants.
4. Each Party that has one or more regulatory and assessment schemes for pesticides or industrial chemicals shall, where appropriate, take into consideration within these schemes the criteria in paragraph 1 of Annex D when conducting assessments of pesticides or industrial chemicals currently in use.
5. Except as otherwise provided in this Convention, paragraphs 1 and 2 shall not apply to quantities of a chemical to be used for laboratory-scale research or as a reference standard.
6. Any Party that has a specific exemption in accordance with Annex A or a specific exemption or an acceptable purpose in accordance with Annex B shall take appropriate measures to ensure that any production or use under such exemption or purpose is carried out in a manner that prevents or minimizes human exposure and release into the environment. For exempted uses or acceptable purposes that involve intentional release into the environment under conditions of normal use, such release shall be to the minimum extent necessary, taking into account any applicable standards and guidelines.

ARTICLE 4

Register of specific exemptions

1. A Register is hereby established for the purpose of identifying the Parties that have specific exemptions listed in Annex A or Annex B. It shall not identify Parties that make use of the provisions in Annex A or Annex B that may be exercised by all Parties. The Register shall be maintained by the Secretariat and shall be available to the public.
2. The Register shall include:
 - a) A list of the types of specific exemptions reproduced from Annex A and Annex B;
 - b) A list of the Parties that have a specific exemption listed under Annex A or Annex B; and
 - c) A list of the expiry dates for each registered specific exemption.
3. Any State may, on becoming a Party, by means of a notification in writing to the Secretariat, register for one or more types of specific exemptions listed in Annex A or Annex B.

4. Unless an earlier date is indicated in the Register by a Party, or an extension is granted pursuant to paragraph 7, all registrations of specific exemptions shall expire five years after the date of entry into force of this Convention with respect to a particular chemical.
5. At its first meeting, the Conference of the Parties shall decide upon its review process for the entries in the Register.
6. Prior to a review of an entry in the Register, the Party concerned shall submit a report to the Secretariat justifying its continuing need for registration of that exemption. The report shall be circulated by the Secretariat to all Parties. The review of a registration shall be carried out on the basis of all available information. Thereupon, the Conference of the Parties may make such recommendations to the Party concerned as it deems appropriate.
7. The Conference of the Parties may, upon request from the Party concerned, decide to extend the expiry date of a specific exemption for a period of up to five years. In making its decision, the Conference of the Parties shall take due account of the special circumstances of the developing country Parties and Parties with economies in transition.
8. A Party may, at any time, withdraw an entry from the Register for a specific exemption upon written notification to the Secretariat. The withdrawal shall take effect on the date specified in the notification.
9. When there are no longer any Parties registered for a particular type of specific exemption, no new registrations may be made with respect to it.

ARTICLE 5

Measures to reduce or eliminate releases from unintentional production

Each Party shall at a minimum take the following measures to reduce the total releases derived from anthropogenic sources of each of the chemicals listed in Annex C, with the goal of their continuing minimization and, where feasible, ultimate elimination:

- a) Develop an action plan or, where appropriate, a regional or subregional action plan within two years of the date of entry into force of this Convention for it, and subsequently implement it as part of its implementation plan specified in Article 7, designed to identify, characterize and address the release of the chemicals listed in Annex C and to facilitate implementation of subparagraphs (b) to (e). The action plan shall include the following elements:
 - i. An evaluation of current and projected releases, including the development and maintenance of source inventories and release estimates, taking into consideration the source categories identified in Annex C;

- ii. An evaluation of the efficacy of the laws and policies of the Party relating to the management of such releases;
- iii. Strategies to meet the obligations of this paragraph, taking into account the evaluations in (i) and (ii);
- iv. Steps to promote education and training with regard to, and awareness of, those strategies;
- v. A review every five years of those strategies and of their success in meeting the obligations of this paragraph; such reviews shall be included in reports submitted pursuant to Article 15;
- vi. A schedule for implementation of the action plan, including for the strategies and measures identified therein;

b) Promote the application of available, feasible and practical measures that can expeditiously achieve a realistic and meaningful level of release reduction or source elimination;

c) Promote the development and, where it deems appropriate, require the use of substitute or modified materials, products and processes to prevent the formation and release of the chemicals listed in Annex C, taking into consideration the general guidance on prevention and release reduction measures in Annex C and guidelines to be adopted by decision of the Conference of the Parties;

d) Promote and, in accordance with the implementation schedule of its action plan, require the use of best available techniques for new sources within source categories which a Party has identified as warranting such action in its action plan, with a particular initial focus on source categories identified in Part II of Annex C. In any case, the requirement to use best available techniques for new sources in the categories listed in Part II of that Annex shall be phased in as soon as practicable but no later than four years after the entry into force of the Convention for that Party. For the identified categories, Parties shall promote the use of best environmental practices. When applying best available techniques and best environmental practices, Parties should take into consideration the general guidance on prevention and release reduction measures in that Annex and guidelines on best available techniques and best environmental practices to be adopted by decision of the Conference of the Parties;

e) Promote, in accordance with its action plan, the use of best available techniques and best environmental practices:

- i. For existing sources, within the source categories listed in Part II of Annex C and within source categories such as those in Part III of that Annex; and

- ii. For new sources, within source categories such as those listed in Part III of Annex C which a Party has not addressed under subparagraph (d).

When applying best available techniques and best environmental practices, Parties should take into consideration the general guidance on prevention and release reduction measures in Annex C and guidelines on best available techniques and best environmental practices to be adopted by decision of the Conference of the Parties;

- f) For the purposes of this paragraph and Annex C:
 - i. “Best available techniques” means the most effective and advanced stage in the development of activities and their methods of operation which indicate the practical suitability of particular techniques for providing in principle the basis for release limitations designed to prevent and, where that is not practicable, generally to reduce releases of chemicals listed in Part I of Annex C and their impact on the environment as a whole. In this regard:
 - ii. “Techniques” includes both the technology used and the way in which the installation is designed, built, maintained, operated and decommissioned;
 - iii. “Available” techniques means those techniques that are accessible to the operator and that are developed on a scale that allows implementation in the relevant industrial sector, under economically and technically viable conditions, taking into consideration the costs and advantages; and
 - iv. “Best” means most effective in achieving a high general level of protection of the environment as a whole;
 - v. “Best environmental practices” means the application of the most appropriate combination of environmental control measures and strategies;
 - vi. “New source” means any source of which the construction or substantial modification is commenced at least one year after the date of:
 - a) Entry into force of this Convention for the Party concerned; or
 - b) Entry into force for the Party concerned of an amendment to Annex C where the source becomes subject to the provisions of this Convention only by virtue of that amendment.
- g) Release limit values or performance standards may be used by a Party to fulfil its commitments for best available techniques under this paragraph.

ARTICLE 6

Measures to reduce or eliminate releases from stockpiles and wastes

1. In order to ensure that stockpiles consisting of or containing chemicals listed either in Annex A or Annex B and wastes, including products and articles upon becoming wastes, consisting of, containing or contaminated with a chemical listed in Annex A, B or C, are managed in a manner protective of human health and the environment, each Party shall:
 - a) Develop appropriate strategies for identifying:
 - i. Stockpiles consisting of or containing chemicals listed either in Annex A or Annex B; and
 - ii. Products and articles in use and wastes consisting of, containing or contaminated with a chemical listed in Annex A, B or C;
 - b) Identify, to the extent practicable, stockpiles consisting of or containing chemicals listed either in Annex A or Annex B on the basis of the strategies referred to in subparagraph (a);
 - c) Manage stockpiles, as appropriate, in a safe, efficient and environmentally sound manner. Stockpiles of chemicals listed either in Annex A or Annex B, after they are no longer allowed to be used according to any specific exemption specified in Annex A or any specific exemption or acceptable purpose specified in Annex B, except stockpiles which are allowed to be exported according to paragraph 2 of Article 3, shall be deemed to be waste and shall be managed in accordance with subparagraph (d);
 - d) Take appropriate measures so that such wastes, including products and articles upon becoming wastes, are:
 - i. Handled, collected, transported and stored in an environmentally sound manner;
 - ii. Disposed of in such a way that the persistent organic pollutant content is destroyed or irreversibly transformed so that they do not exhibit the characteristics of persistent organic pollutants or otherwise disposed of in an environmentally sound manner when destruction or irreversible transformation does not represent the environmentally preferable option or the persistent organic pollutant content is low, taking into account international rules, standards, and guidelines, including those that may be developed pursuant to paragraph 2, and relevant global and regional regimes governing the management of hazardous wastes;

- iii. Not permitted to be subjected to disposal operations that may lead to recovery, recycling, reclamation, direct reuse or alternative uses of persistent organic pollutants; and
 - iv. Not transported across international boundaries without taking into account relevant international rules, standards and guidelines;
- e) Endeavour to develop appropriate strategies for identifying sites contaminated by chemicals listed in Annex A, B or C; if remediation of those sites is undertaken it shall be performed in an environmentally sound manner.

2. The Conference of the Parties shall cooperate closely with the appropriate bodies of the Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and their Disposal to, inter alia:

- a) Establish levels of destruction and irreversible transformation necessary to ensure that the characteristics of persistent organic pollutants as specified in paragraph 1 of Annex D are not exhibited;
- b) Determine what they consider to be the methods that constitute environmentally sound disposal referred to above; and
- c) Work to establish, as appropriate, the concentration levels of the chemicals listed in Annexes A, B and C in order to define the low persistent organic pollutant content referred to in paragraph 1 (d) (ii).

ARTICLE 7

Implementation plans

- 1. Each Party shall:
 - a) Develop and endeavour to implement a plan for the implementation of its obligations under this Convention;
 - b) Transmit its implementation plan to the Conference of the Parties within two years of the date on which this Convention enters into force for it; and
 - c) Review and update, as appropriate, its implementation plan on a periodic basis and in a manner to be specified by a decision of the Conference of the Parties.
- 2. The Parties shall, where appropriate, cooperate directly or through global, regional and subregional organizations, and consult their national stakeholders, including women's groups and groups involved in the health of children, in order to facilitate the development, implementation and updating of their implementation plans.
- 3. The Parties shall endeavour to utilize and, where necessary, establish the means to integrate national implementation plans for persistent organic pollutants in their sustainable development strategies where appropriate.

ARTICLE 8

Listing of chemicals in Annexes A, B and C

1. A Party may submit a proposal to the Secretariat for listing a chemical in Annexes A, B and/or C. The proposal shall contain the information specified in Annex D. In developing a proposal, a Party may be assisted by other Parties and/or by the Secretariat.
2. The Secretariat shall verify whether the proposal contains the information specified in Annex D. If the Secretariat is satisfied that the proposal contains the information so specified, it shall forward the proposal to the Persistent Organic Pollutants Review Committee.
3. The Committee shall examine the proposal and apply the screening criteria specified in Annex D in a flexible and transparent way, taking all information provided into account in an integrative and balanced manner.
4. If the Committee decides that:
 - a) It is satisfied that the screening criteria have been fulfilled, it shall, through the Secretariat, make the proposal and the evaluation of the Committee available to all Parties and observers and invite them to submit the information specified in Annex E; or
 - b) It is not satisfied that the screening criteria have been fulfilled, it shall, through the Secretariat, inform all Parties and observers and make the proposal and the evaluation of the Committee available to all Parties and the proposal shall be set aside.
5. Any Party may resubmit a proposal to the Committee that has been set aside by the Committee pursuant to paragraph 4. The resubmission may include any concerns of the Party as well as a justification for additional consideration by the Committee. If, following this procedure, the Committee again sets the proposal aside, the Party may challenge the decision of the Committee and the Conference of the Parties shall consider the matter at its next session. The Conference of the Parties may decide, based on the screening criteria in Annex D and taking into account the evaluation of the Committee and any additional information provided by any Party or observer, that the proposal should proceed.
6. Where the Committee has decided that the screening criteria have been fulfilled, or the Conference of the Parties has decided that the proposal should proceed, the Committee shall further review the proposal, taking into account any relevant additional information received, and shall prepare a draft risk profile in accordance with Annex E. It shall, through the Secretariat, make that draft

available to all Parties and observers, collect technical comments from them and, taking those comments into account, complete the risk profile.

7. If, on the basis of the risk profile conducted in accordance with Annex E, the Committee decides:
 - a) That the chemical is likely as a result of its long-range environmental transport to lead to significant adverse human health and/or environmental effects such that global action is warranted, the proposal shall proceed. Lack of full scientific certainty shall not prevent the proposal from proceeding. The Committee shall, through the Secretariat, invite information from all Parties and observers relating to the considerations specified in Annex F. It shall then prepare a risk management evaluation that includes an analysis of possible control measures for the chemical in accordance with that Annex; or
 - b) That the proposal should not proceed, it shall, through the Secretariat, make the risk profile available to all Parties and observers and set the proposal aside.
8. For any proposal set aside pursuant to paragraph 7 (b), a Party may request the Conference of the Parties to consider instructing the Committee to invite additional information from the proposing Party and other Parties during a period not to exceed one year. After that period and on the basis of any information received, the Committee shall reconsider the proposal pursuant to paragraph 6 with a priority to be decided by the Conference of the Parties. If, following this procedure, the Committee again sets the proposal aside, the Party may challenge the decision of the Committee and the Conference of the Parties shall consider the matter at its next session. The Conference of the Parties may decide, based on the risk profile prepared in accordance with Annex E and taking into account the evaluation of the Committee and any additional information provided by any Party or observer, that the proposal should proceed. If the Conference of the Parties decides that the proposal shall proceed, the Committee shall then prepare the risk management evaluation.
9. The Committee shall, based on the risk profile referred to in paragraph 6 and the risk management evaluation referred to in paragraph 7 (a) or paragraph 8, recommend whether the chemical should be considered by the Conference of the Parties for listing in Annexes A, B and/or C. The Conference of the Parties, taking due account of the recommendations of the Committee, including any scientific uncertainty, shall decide, in a precautionary manner, whether to list the chemical, and specify its related control measures, in Annexes A, B and/or C.

ARTICLE 9

Information exchange

1. Each Party shall facilitate or undertake the exchange of information relevant to:
 - a) The reduction or elimination of the production, use and release of persistent organic pollutants; and
 - b) Alternatives to persistent organic pollutants, including information relating to their risks as well as to their economic and social costs.
2. The Parties shall exchange the information referred to in paragraph 1 directly or through the Secretariat.
3. Each Party shall designate a national focal point for the exchange of such information.
4. The Secretariat shall serve as a clearing-house mechanism for information on persistent organic pollutants, including information provided by Parties, intergovernmental organizations and non-governmental organizations.
5. For the purposes of this Convention, information on health and safety of humans and the environment shall not be regarded as confidential. Parties that exchange other information pursuant to this Convention shall protect any confidential information as mutually agreed.

ARTICLE 10

Public information, awareness and education

1. Each Party shall, within its capabilities, promote and facilitate:
 - a) Awareness among its policy and decision makers with regard to persistent organic pollutants;
 - b) Provision to the public of all available information on persistent organic pollutants, taking into account paragraph 5 of Article 9;
 - c) Development and implementation, especially for women, children and the least educated, of educational and public awareness programmes on persistent organic pollutants, as well as on their health and environmental effects and on their alternatives;
 - d) Public participation in addressing persistent organic pollutants and their health and environmental effects and in developing adequate responses, including opportunities for providing input at the national level regarding implementation of this Convention;

- e) Training of workers, scientists, educators and technical and managerial personnel;
- f) Development and exchange of educational and public awareness materials at the national and international levels; and
- g) Development and implementation of education and training programmes at the national and international levels.

2. Each Party shall, within its capabilities, ensure that the public has access to the public information referred to in paragraph 1 and that the information is kept up-to-date.
3. Each Party shall, within its capabilities, encourage industry and professional users to promote and facilitate the provision of the information referred to in paragraph 1 at the national level and, as appropriate, subregional, regional and global levels.
4. In providing information on persistent organic pollutants and their alternatives, Parties may use safety data sheets, reports, mass media and other means of communication, and may establish information centres at national and regional levels.
5. Each Party shall give sympathetic consideration to developing mechanisms, such as pollutant release and transfer registers, for the collection and dissemination of information on estimates of the annual quantities of the chemicals listed in Annex A, B or C that are released or disposed of.

ARTICLE 11

Research, development and monitoring

1. The Parties shall, within their capabilities, at the national and international levels, encourage and/or undertake appropriate research, development, monitoring and cooperation pertaining to persistent organic pollutants and, where relevant, to their alternatives and to candidate persistent organic pollutants, including on their:
 - a) Sources and releases into the environment;
 - b) Presence, levels and trends in humans and the environment;
 - c) Environmental transport, fate and transformation;
 - d) Effects on human health and the environment;
 - e) Socio-economic and cultural impacts;
 - f) Release reduction and/or elimination; and

- g) Harmonized methodologies for making inventories of generating sources and analytical techniques for the measurement of releases.
- 2. In undertaking action under paragraph 1, the Parties shall, within their capabilities:
 - a) Support and further develop, as appropriate, international programmes, networks and organizations aimed at defining, conducting, assessing and financing research, data collection and monitoring, taking into account the need to minimize duplication of effort;
 - b) Support national and international efforts to strengthen national scientific and technical research capabilities, particularly in developing countries and countries with economies in transition, and to promote access to, and the exchange of, data and analyses;
 - c) Take into account the concerns and needs, particularly in the field of financial and technical resources, of developing countries and countries with economies in transition and cooperate in improving their capability to participate in the efforts referred to in subparagraphs (a) and (b);
 - d) Undertake research work geared towards alleviating the effects of persistent organic pollutants on reproductive health;
 - e) Make the results of their research, development and monitoring activities referred to in this paragraph accessible to the public on a timely and regular basis; and
 - f) Encourage and/or undertake cooperation with regard to storage and maintenance of information generated from research, development and monitoring.

ARTICLE 12

Technical assistance

- 1. The Parties recognize that rendering of timely and appropriate technical assistance in response to requests from developing country Parties and Parties with economies in transition is essential to the successful implementation of this Convention.
- 2. The Parties shall cooperate to provide timely and appropriate technical assistance to developing country Parties and Parties with economies in transition, to assist them, taking into account their particular needs, to develop and strengthen their capacity to implement their obligations under this Convention.
- 3. In this regard, technical assistance to be provided by developed country Parties, and other Parties in accordance with their capabilities, shall include, as

appropriate and as mutually agreed, technical assistance for capacity-building relating to implementation of the obligations under this Convention. Further guidance in this regard shall be provided by the Conference of the Parties.

4. The Parties shall establish, as appropriate, arrangements for the purpose of providing technical assistance and promoting the transfer of technology to developing country Parties and Parties with economies in transition relating to the implementation of this Convention. These arrangements shall include regional and subregional centres for capacity-building and transfer of technology to assist developing country Parties and Parties with economies in transition to fulfil their obligations under this Convention. Further guidance in this regard shall be provided by the Conference of the Parties.
5. The Parties shall, in the context of this Article, take full account of the specific needs and special situation of least developed countries and small island developing states in their actions with regard to technical assistance.

ARTICLE 13

Financial resources and mechanisms

1. Each Party undertakes to provide, within its capabilities, financial support and incentives in respect of those national activities that are intended to achieve the objective of this Convention in accordance with its national plans, priorities and programmes.
2. The developed country Parties shall provide new and additional financial resources to enable developing country Parties and Parties with economies in transition to meet the agreed full incremental costs of implementing measures which fulfil their obligations under this Convention as agreed between a recipient Party and an entity participating in the mechanism described in paragraph 6. Other Parties may also on a voluntary basis and in accordance with their capabilities provide such financial resources. Contributions from other sources should also be encouraged. The implementation of these commitments shall take into account the need for adequacy, predictability, the timely flow of funds and the importance of burden sharing among the contributing Parties.
3. Developed country Parties, and other Parties in accordance with their capabilities and in accordance with their national plans, priorities and programmes, may also provide and developing country Parties and Parties with economies in transition avail themselves of financial resources to assist in their implementation of this Convention through other bilateral, regional and multilateral sources or channels.

4. The extent to which the developing country Parties will effectively implement their commitments under this Convention will depend on the effective implementation by developed country Parties of their commitments under this Convention relating to financial resources, technical assistance and technology transfer. The fact that sustainable economic and social development and eradication of poverty are the first and overriding priorities of the developing country Parties will be taken fully into account, giving due consideration to the need for the protection of human health and the environment.
5. The Parties shall take full account of the specific needs and special situation of the least developed countries and the small island developing states in their actions with regard to funding.
6. A mechanism for the provision of adequate and sustainable financial resources to developing country Parties and Parties with economies in transition on a grant or concessional basis to assist in their implementation of the Convention is hereby defined. The mechanism shall function under the authority, as appropriate, and guidance of, and be accountable to the Conference of the Parties for the purposes of this Convention. Its operation shall be entrusted to one or more entities, including existing international entities, as may be decided upon by the Conference of the Parties. The mechanism may also include other entities providing multilateral, regional and bilateral financial and technical assistance. Contributions to the mechanism shall be additional to other financial transfers to developing country Parties and Parties with economies in transition as reflected in, and in accordance with, paragraph 2.
7. Pursuant to the objectives of this Convention and paragraph 6, the Conference of the Parties shall at its first meeting adopt appropriate guidance to be provided to the mechanism and shall agree with the entity or entities participating in the financial mechanism upon arrangements to give effect thereto. The guidance shall address, inter alia:
 - a) The determination of the policy, strategy and programme priorities, as well as clear and detailed criteria and guidelines regarding eligibility for access to and utilization of financial resources including monitoring and evaluation on a regular basis of such utilization;
 - b) The provision by the entity or entities of regular reports to the Conference of the Parties on adequacy and sustainability of funding for activities relevant to the implementation of this Convention;
 - c) The promotion of multiple-source funding approaches, mechanisms and arrangements;

- d) The modalities for the determination in a predictable and identifiable manner of the amount of funding necessary and available for the implementation of this Convention, keeping in mind that the phasing out of persistent organic pollutants might require sustained funding, and the conditions under which that amount shall be periodically reviewed; and
- e) The modalities for the provision to interested Parties of assistance with needs assessment, information on available sources of funds and on funding patterns in order to facilitate coordination among them.

8. The Conference of the Parties shall review, not later than its second meeting and thereafter on a regular basis, the effectiveness of the mechanism established under this Article, its ability to address the changing needs of the developing country Parties and Parties with economies in transition, the criteria and guidance referred to in paragraph 7, the level of funding as well as the effectiveness of the performance of the institutional entities entrusted to operate the financial mechanism. It shall, based on such review, take appropriate action, if necessary, to improve the effectiveness of the mechanism, including by means of recommendations and guidance on measures to ensure adequate and sustainable funding to meet the needs of the Parties.

ARTICLE 14

Interim financial arrangements

The institutional structure of the Global Environment Facility, operated in accordance with the Instrument for the Establishment of the Restructured Global Environment Facility, shall, on an interim basis, be the principal entity entrusted with the operations of the financial mechanism referred to in Article 13, for the period between the date of entry into force of this Convention and the first meeting of the Conference of the Parties, or until such time as the Conference of the Parties decides which institutional structure will be designated in accordance with Article 13. The institutional structure of the Global Environment Facility should fulfil this function through operational measures related specifically to persistent organic pollutants taking into account that new arrangements for this area may be needed.

ARTICLE 15

Reporting

1. Each Party shall report to the Conference of the Parties on the measures it has taken to implement the provisions of this Convention and on the effectiveness of such measures in meeting the objectives of the Convention.

2. Each Party shall provide to the Secretariat:
 - a) Statistical data on its total quantities of production, import and export of each of the chemicals listed in Annex A and Annex B or a reasonable estimate of such data; and
 - b) To the extent practicable, a list of the States from which it has imported each such substance and the States to which it has exported each such substance.
3. Such reporting shall be at periodic intervals and in a format to be decided by the Conference of the Parties at its first meeting.

ARTICLE 16

Effectiveness evaluation

1. Commencing four years after the date of entry into force of this Convention, and periodically thereafter at intervals to be decided by the Conference of the Parties, the Conference shall evaluate the effectiveness of this Convention.
2. In order to facilitate such evaluation, the Conference of the Parties shall, at its first meeting, initiate the establishment of arrangements to provide itself with comparable monitoring data on the presence of the chemicals listed in Annexes A, B and C as well as their regional and global environmental transport. These arrangements:
 - a) Should be implemented by the Parties on a regional basis when appropriate, in accordance with their technical and financial capabilities, using existing monitoring programmes and mechanisms to the extent possible and promoting harmonization of approaches;
 - b) May be supplemented where necessary, taking into account the differences between regions and their capabilities to implement monitoring activities; and
 - c) Shall include reports to the Conference of the Parties on the results of the monitoring activities on a regional and global basis at intervals to be specified by the Conference of the Parties.
3. The evaluation described in paragraph 1 shall be conducted on the basis of available scientific, environmental, technical and economic information, including:
 - a) Reports and other monitoring information provided pursuant to paragraph 2;
 - b) National reports submitted pursuant to Article 15; and
 - c) Non-compliance information provided pursuant to the procedures established under Article 17.

ARTICLE 17

Non-compliance

The Conference of the Parties shall, as soon as practicable, develop and approve procedures and institutional mechanisms for determining non-compliance with the provisions of this Convention and for the treatment of Parties found to be in non-compliance.

ARTICLE 18

Settlement of disputes

1. Parties shall settle any dispute between them concerning the interpretation or application of this Convention through negotiation or other peaceful means of their own choice.
2. When ratifying, accepting, approving or acceding to the Convention, or at any time thereafter, a Party that is not a regional economic integration organization may declare in a written instrument submitted to the depositary that, with respect to any dispute concerning the interpretation or application of the Convention, it recognizes one or both of the following means of dispute settlement as compulsory in relation to any Party accepting the same obligation:
 - a) Arbitration in accordance with procedures to be adopted by the Conference of the Parties in an annex as soon as practicable;
 - b) Submission of the dispute to the International Court of Justice.
3. A Party that is a regional economic integration organization may make a declaration with like effect in relation to arbitration in accordance with the procedure referred to in paragraph 2 (a).
4. A declaration made pursuant to paragraph 2 or paragraph 3 shall remain in force until it expires in accordance with its terms or until three months after written notice of its revocation has been deposited with the depositary.
5. The expiry of a declaration, a notice of revocation or a new declaration shall not in any way affect proceedings pending before an arbitral tribunal or the International Court of Justice unless the parties to the dispute otherwise agree.
6. If the parties to a dispute have not accepted the same or any procedure pursuant to paragraph 2, and if they have not been able to settle their dispute within twelve months following notification by one party to another that a dispute exists between them, the dispute shall be submitted to a conciliation commission at the request of any party to the dispute. The conciliation commission shall render a

report with recommendations. Additional procedures relating to the conciliation commission shall be included in an annex to be adopted by the Conference of the Parties no later than at its second meeting.

ARTICLE 19

Conference of the Parties

1. A Conference of the Parties is hereby established.
2. The first meeting of the Conference of the Parties shall be convened by the Executive Director of the United Nations Environment Programme no later than one year after the entry into force of this Convention. Thereafter, ordinary meetings of the Conference of the Parties shall be held at regular intervals to be decided by the Conference.
3. Extraordinary meetings of the Conference of the Parties shall be held at such other times as may be deemed necessary by the Conference, or at the written request of any Party provided that it is supported by at least one third of the Parties.
4. The Conference of the Parties shall by consensus agree upon and adopt at its first meeting rules of procedure and financial rules for itself and any subsidiary bodies, as well as financial provisions governing the functioning of the Secretariat.
5. The Conference of the Parties shall keep under continuous review and evaluation the implementation of this Convention. It shall perform the functions assigned to it by the Convention and, to this end, shall:
 - a) Establish, further to the requirements of paragraph 6, such subsidiary bodies as it considers necessary for the implementation of the Convention;
 - b) Cooperate, where appropriate, with competent international organizations and intergovernmental and non-governmental bodies; and
 - c) Regularly review all information made available to the Parties pursuant to Article 15, including consideration of the effectiveness of paragraph 2 (b) (iii) of Article 3;
 - d) Consider and undertake any additional action that may be required for the achievement of the objectives of the Convention.
6. The Conference of the Parties shall, at its first meeting, establish a subsidiary body to be called the Persistent Organic Pollutants Review Committee for the purposes of performing the functions assigned to that Committee by this Convention. In this regard:

- a) The members of the Persistent Organic Pollutants Review Committee shall be appointed by the Conference of the Parties. Membership of the Committee shall consist of government-designated experts in chemical assessment or management. The members of the Committee shall be appointed on the basis of equitable geographical distribution;
- b) The Conference of the Parties shall decide on the terms of reference, organization and operation of the Committee; and
- c) The Committee shall make every effort to adopt its recommendations by consensus. If all efforts at consensus have been exhausted, and no consensus reached, such recommendation shall as a last resort be adopted by a two-thirds majority vote of the members present and voting.

7. The Conference of the Parties shall, at its third meeting, evaluate the continued need for the procedure contained in paragraph 2 (b) of Article 3, including consideration of its effectiveness.

8. The United Nations, its specialized agencies and the International Atomic Energy Agency, as well as any State not Party to this Convention, may be represented at meetings of the Conference of the Parties as observers. Anybody or agency, whether national or international, governmental or non-governmental, qualified in matters covered by the Convention, and which has informed the Secretariat of its wish to be represented at a meeting of the Conference of the Parties as an observer may be admitted unless at least one third of the Parties present object. The admission and participation of observers shall be subject to the rules of procedure adopted by the Conference of the Parties.

ARTICLE 20

Secretariat

1. A Secretariat is hereby established.
2. The functions of the Secretariat shall be:
 - a) To make arrangements for meetings of the Conference of the Parties and its subsidiary bodies and to provide them with services as required;
 - b) To facilitate assistance to the Parties, particularly developing country Parties and Parties with economies in transition, on request, in the implementation of this Convention;
 - c) To ensure the necessary coordination with the secretariats of other relevant international bodies;

- d) To prepare and make available to the Parties periodic reports based on information received pursuant to Article 15 and other available information;
- e) To enter, under the overall guidance of the Conference of the Parties, into such administrative and contractual arrangements as may be required for the effective discharge of its functions; and
- f) To perform the other secretariat functions specified in this Convention and such other functions as may be determined by the Conference of the Parties.

3. The secretariat functions for this Convention shall be performed by the Executive Director of the United Nations Environment Programme, unless the Conference of the Parties decides, by a three-fourths majority of the Parties present and voting, to entrust the secretariat functions to one or more other international organizations.

ARTICLE 21

Amendments to the Convention

- 1. Amendments to this Convention may be proposed by any Party.
- 2. Amendments to this Convention shall be adopted at a meeting of the Conference of the Parties. The text of any proposed amendment shall be communicated to the Parties by the Secretariat at least six months before the meeting at which it is proposed for adoption. The Secretariat shall also communicate proposed amendments to the signatories to this Convention and, for information, to the depositary.
- 3. The Parties shall make every effort to reach agreement on any proposed amendment to this Convention by consensus. If all efforts at consensus have been exhausted, and no agreement reached, the amendment shall as a last resort be adopted by a three-fourths majority vote of the Parties present and voting.
- 4. The amendment shall be communicated by the depositary to all Parties for ratification, acceptance or approval.
- 5. Ratification, acceptance or approval of an amendment shall be notified to the depositary in writing. An amendment adopted in accordance with paragraph 3 shall enter into force for the Parties having accepted it on the ninetieth day after the date of deposit of instruments of ratification, acceptance or approval by at least three-fourths of the Parties. Thereafter, the amendment shall enter into force for any other Party on the ninetieth day after the date on which that Party deposits its instrument of ratification, acceptance or approval of the amendment.

ARTICLE 22

Adoption and amendment of annexes

1. Annexes to this Convention shall form an integral part thereof and, unless expressly provided otherwise, a reference to this Convention constitutes at the same time a reference to any annexes thereto.
2. Any additional annexes shall be restricted to procedural, scientific, technical or administrative matters.
3. The following procedure shall apply to the proposal, adoption and entry into force of additional annexes to this Convention:
 - a) Additional annexes shall be proposed and adopted according to the procedure laid down in paragraphs 1, 2 and 3 of Article 21;
 - b) Any Party that is unable to accept an additional annex shall so notify the depositary, in writing, within one year from the date of communication by the depositary of the adoption of the additional annex. The depositary shall without delay notify all Parties of any such notification received. A Party may at any time withdraw a previous notification of non-acceptance in respect of any additional annex, and the annex shall thereupon enter into force for that Party subject to subparagraph (c); and
 - c) On the expiry of one year from the date of the communication by the depositary of the adoption of an additional annex, the annex shall enter into force for all Parties that have not submitted a notification in accordance with the provisions of subparagraph (b).
4. The proposal, adoption and entry into force of amendments to Annex A, B or C shall be subject to the same procedures as for the proposal, adoption and entry into force of additional annexes to this Convention, except that an amendment to Annex A, B or C shall not enter into force with respect to any Party that has made a declaration with respect to amendment to those Annexes in accordance with paragraph 4 of Article 25, in which case any such amendment shall enter into force for such a Party on the ninetieth day after the date of deposit with the depositary of its instrument of ratification, acceptance, approval or accession with respect to such amendment.
5. The following procedure shall apply to the proposal, adoption and entry into force of an amendment to Annex D, E or F:
 - a) Amendments shall be proposed according to the procedure in paragraphs 1 and 2 of Article 21;

- b) The Parties shall take decisions on an amendment to Annex D, E or F by consensus; and
- c) A decision to amend Annex D, E or F shall forthwith be communicated to the Parties by the depositary. The amendment shall enter into force for all Parties on a date to be specified in the decision.

6. If an additional annex or an amendment to an annex is related to an amendment to this Convention, the additional annex or amendment shall not enter into force until such time as the amendment to the Convention enters into force.

ARTICLE 23

Right to vote

1. Each Party to this Convention shall have one vote, except as provided for in paragraph 2.
2. A regional economic integration organization, on matters within its competence, shall exercise its right to vote with a number of votes equal to the number of its member States that are Parties to this Convention. Such an organization shall not exercise its right to vote if any of its member States exercises its right to vote, and vice versa.

ARTICLE 24

Signature

This Convention shall be open for signature at Stockholm by all States and regional economic integration organizations on 23 May 2001, and at the United Nations Headquarters in New York from 24 May 2001 to 22 May 2002.

ARTICLE 25

Ratification, acceptance, approval or accession

1. This Convention shall be subject to ratification, acceptance or approval by States and by regional economic integration organizations. It shall be open for accession by States and by regional economic integration organizations from the day after the date on which the Convention is closed for signature. Instruments of ratification, acceptance, approval or accession shall be deposited with the depositary.
2. Any regional economic integration organization that becomes a Party to this Convention without any of its member States being a Party shall be bound by all the obligations under the Convention. In the case of such organizations, one or more of whose member States is a Party to this Convention, the organization

and its member States shall decide on their respective responsibilities for the performance of their obligations under the Convention. In such cases, the organization and the member States shall not be entitled to exercise rights under the Convention concurrently.

3. In its instrument of ratification, acceptance, approval or accession, a regional economic integration organization shall declare the extent of its competence in respect of the matters governed by this Convention. Any such organization shall also inform the depositary, who shall in turn inform the Parties, of any relevant modification in the extent of its competence.
4. In its instrument of ratification, acceptance, approval or accession, any Party may declare that, with respect to it, any amendment to Annex A, B or C shall enter into force only upon the deposit of its instrument of ratification, acceptance, approval or accession with respect thereto.

ARTICLE 26

Entry into force

1. This Convention shall enter into force on the ninetieth day after the date of deposit of the fiftieth instrument of ratification, acceptance, approval or accession.
2. For each State or regional economic integration organization that ratifies, accepts or approves this Convention or accedes thereto after the deposit of the fiftieth instrument of ratification, acceptance, approval or accession, the Convention shall enter into force on the ninetieth day after the date of deposit by such State or regional economic integration organization of its instrument of ratification, acceptance, approval or accession.
3. For the purpose of paragraphs 1 and 2, any instrument deposited by a regional economic integration organization shall not be counted as additional to those deposited by member States of that organization.

ARTICLE 27

Reservations

No reservations may be made to this Convention.

ARTICLE 28

Withdrawal

1. At any time after three years from the date on which this Convention has entered into force for a Party, that Party may withdraw from the Convention by giving written notification to the depositary.

2. Any such withdrawal shall take effect upon the expiry of one year from the date of receipt by the depositary of the notification of withdrawal, or on such later date as may be specified in the notification of withdrawal.

ARTICLE 29

Depository

The Secretary-General of the United Nations shall be the depositary of this Convention.

ARTICLE 30

Authentic texts

The original of this Convention, of which the Arabic, Chinese, English, French, Russian and Spanish texts are equally authentic, shall be deposited with the Secretary General of the United Nations.

IN WITNESS WHEREOF the undersigned, being duly authorized to that effect, have signed this Convention.

Done at Stockholm on this twenty-second day of May, two thousand and one.

ANNEXES

ANNEX A¹ ELIMINATION

Part I Procedure

Chemical	Activity	Specific exemption ²
Aldrin* CAS No: 309-00-2	Production	None
	Use	Local ectoparasiticide Insecticide
Alpha hexachlorocyclohexane* CAS No: 319-84-6	Production	None
	Use	None
Beta hexachlorocyclohexane* CAS No: 319-85-7	Production	None
	Use	None
Chlordane* CAS No: 57-74-9	Production	As allowed for the Parties listed in the Register
	Use	Local ectoparasiticide Insecticide Termiticide Termiticide in buildings and dams Termiticide in roads Additive in plywood adhesives
Chlordecone* CAS No: 143-50-0	Production	None
	Use	None

¹ Secretariat note: As amended by decisions SC-4/10 to SC-4/18 of 8 May 2009; SC-5/3 of 29 April 2011; SC-6/13 of 10 May 2013; SC-7/12 to SC-7/14 of 15 May 2015; and SC-8/10 to SC-8/12 of 5 May 2017; and SC-9/4, SC-9/11 and SC-9/12 of 10 May 2019; SC-10/13 of 17 June 2022; SC-11/9, SC-11/10 and SC-11/11 of 12 May 2023; and SC-12/9, SC-12/10, SC-12/12, and SC-12/14 of 9 May 2025.

² Secretariat note: Please note that, in accordance with paragraph 9 of Article 4 of the Convention, when there are no longer any Parties registered for a particular type of specific exemption no new registrations may be made with respect to such exemptions, which appear in *grey text* in the table.

Chlorpyrifos* CAS No. 2921-88-2	Production	As allowed for the Parties listed in the Register
	Use	<ul style="list-style-type: none"> • Crop-pest complexes as listed in accordance with the provisions of part XV of this Annex • Control of leaf-cutting ants (<i>Atta</i> spp. and <i>Acromyrmex</i> spp.) for agricultural use only • Control of locusts for agricultural use only • Control of ticks in cattle • Wood preservation against borers and termites in building foundations
Decabromodiphenyl ether (BDE-209) present in commercial decabromodiphenyl ether (CAS No: 1163-19-5)	Production Use	As allowed for the Parties listed in the Register In accordance with Part IX of this Annex: <ul style="list-style-type: none"> • Parts for use in vehicles specified in paragraph 2 of Part IX of this Annex • Aircraft for which type approval has been applied for before December 2018 and has been received before December 2022 and spare parts for those aircraft • Textile products that require anti-flammable characteristics, excluding clothing and toys • Additives in plastic housings and parts used for heating home appliances, irons, fans, immersion heaters that contain or are in direct contact with electrical parts or are required to comply with fire retardancy standards, at concentrations lower than 10 per cent by weight of the part • Polyurethane foam for building insulation

Dechlorane Plus CAS No: 13560-89-9 “Dechlorane Plus” includes its syn-isomer (CAS No: 135821-03-3) and its anti-isomer (CAS No: 135821-74-8)	Production	None
	Use	In accordance with part XI of this Annex: <ul style="list-style-type: none"> • Aerospace • Space and defence applications • Medical imaging and radiotherapy devices and installations • Replacement parts for, and repair of, articles in applications in accordance with the provisions of paragraphs 2 and 3 of part XI of this Annex
Dicofol CAS No: 115-32-2 CAS No: 10606-46-9	Production	None
	Use	None
Dieldrin* CAS No: 60-57-1	Production	None
	Use	In agricultural operations
Endrin* CAS No: 72-20-8	Production	None
	Use	None
Heptachlor* CAS No: 76-44-8	Production	None
	Use	Termiticide Termiticide in structures of houses Termiticide (subterranean) Wood treatment In use in underground cable boxes
Hexabromobiphenyl * CAS No: 36355-01-8	Production	None
	Use	None
Hexabromocyclododecane	Production	As allowed for the Parties listed in the Register in accordance with the provisions of Part VII of this Annex
	Use	Expanded polystyrene and extruded polystyrene in buildings in accordance with the provisions of Part VII of this Annex

Hexabromodiphenyl ether* and heptabromodiphenyl ether*	Production	None
	Use	Articles in accordance with the provisions of Part IV of this Annex
Hexachlorobenzene CAS No: 118-74-1	Production	As allowed for the Parties listed in the Register
	Use	Intermediate Solvent in pesticide Closed system site limited intermediate
Hexachlorobutadiene CAS No: 87-68-3	Production	None
	Use	None
Lindane* CAS No: 58-89-9	Production	None
	Use	Human health pharmaceutical for control of head lice and scabies as second line treatment
Long-chain perfluorocarboxylic acids, their salts and related compounds “Long-chain perfluorocarboxylic acids, their salts and related compounds” means the following: (i) Long-chain perfluorocarboxylic acids or their salts, for the purposes of the Convention, are a homologous series of substances with the molecular formula of $C_n F_{2n+1} COOH$ (where $8 \leq n \leq 20$);	Production	As allowed for the Parties listed in the Register in accordance with the provisions of Part XIV of this Annex
	Use	<p>In accordance with Part XIV of this Annex:</p> <ul style="list-style-type: none"> • Semiconductors designed for replacement parts not covered in paragraphs 2 (a) and (b) of Part XIV of this Annex • Semiconductors designed for replacement parts for combustion-engine-powered vessels in accordance with the provisions of paragraph 2 of Part XIV of this Annex • Replacement parts for motor vehicles that have ceased mass production in accordance with the provisions of paragraph 2 of Part XIV of this Annex

<p>(ii) Compounds related to long-chain perfluorocarboxylic acids, for the purposes of the Convention, are any substance that is a precursor and may transform to long-chain perfluorocarboxylic acids, where the perfluorinated alkyl moiety has the formula C_nF_{2n+1} (where $8 \leq n \leq 20$) and is directly bonded to any chemical moiety other than a fluorine, chlorine or bromine atom.</p> <p>The following compounds are not included as long-chain perfluorocarboxylic acids, their salts and related compounds: perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds as listed in Annex A to the Convention.</p>		
<p>Medium-chain chlorinated paraffins (MCCPs)</p> <p>For the purposes of this Convention, substances or mixtures are considered as “Medium-chain chlorinated paraffins (MCCPs)” when they meet the definition in (i), (ii), or both (i) and (ii):</p>	Production	As allowed for the Parties listed in the Register in accordance with the provisions of Part XIII of this Annex
	Use	<p>In accordance with Part XIII of this Annex:</p> <ul style="list-style-type: none"> Flexible polyvinyl chloride (PVC), limited to the following uses:

<p>(i) Substances or mixtures that contain linear chloroalkanes with carbon chain lengths in the range C_{14-17} and chlorination levels at or exceeding 45 per cent chlorine by weight;</p> <p>(ii) Substances or mixtures that contain linear C_{14-17} chloroalkanes of the following molecular formulae:</p> <p>$C_{14}H_{(30-y)}Cl_y$ where $y \geq 5$; $C_{15}H_{(32-y)}Cl_y$ where $y \geq 5$; $C_{16}H_{(34-y)}Cl_y$ where $y \geq 6$; $C_{17}H_{(36-y)}Cl_y$ where $y \geq 6$.</p>	<ul style="list-style-type: none"> Construction sector, including maintenance of buildings and other structures, for uses other than flooring in indoor spaces that are not used for commercial purposes Wires and cables in the construction sector Wires and cables in medical devices and in-vitro diagnostic devices Calendered films in the packaging field, excluding food packaging Solid woven conveyor belts used in underground coal mines Flexible elastomeric foam for thermal insulation Adhesives and sealants, limited to the following uses: <ul style="list-style-type: none"> Polysulfide sealant and one-component polyurethane foam used in sealing for doors and windows Waterproof coatings and anticorrosion coatings Aerospace and defence applications (e.g., polyurethane adhesives and tamper-proof putty) Tape used for non-structural bonding in aerospace and defence products Fatliquoring component in leather, except in children's products Emergency response pyrotechnic devices
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- Paints and coatings for ammunition and ammunition markings
- Metalworking fluids, in accordance with the provisions of paragraphs 5 and 6 of Part XIII of this Annex
- Polymers and rubbers (including PVC, ethylene propylene diene monomer (EPDM) rubber, chloroprene (CR), nitrile butadiene rubber (NBR) and chlorinated polyethylene (CPE)) used in repair and replacement parts, in accordance with the provisions of paragraph 7 of Part XIII of this Annex
- Ammunition pyrotechnic defence devices to achieve specific effects (e.g., sound, smoke, light), in accordance with the provisions of paragraphs 8 and 12 of Part XIII of this Annex
- Intumescent coating and paint for space and defence equipment and its packaging to protect against extreme temperature, in accordance with the provisions of paragraphs 9 and 12 of Part XIII of this Annex
- Coating and paint for the repair of, and use in replacement parts for, space and defence equipment, in accordance with the provisions of paragraphs 10 and 11 of Part XIII of this Annex

Methoxychlor* “Methoxychlor” refers to any possible isomer of dimethoxydiphenyl-trichloroethane or any combination thereof. For example: CAS No: 72-43-5; CAS No: 30667-99-3; CAS No: 76733-77-2; CAS No: 255065-25-9; CAS No: 255065-26-0; CAS No: 59424-81-6; CAS No: 1348358-72-4.	Production	None
	Use	None
Mirex* CAS No: 2385-85-5	Production	As allowed for the Parties listed in the Register
	Use	Termiticide
Pentachlorobenzene* CAS No: 608-93-5	Production	None
	Use	None
Pentachlorophenol and its salts and esters	Production	As allowed for the Parties listed in the Register in accordance with the provisions of Part VIII of this Annex
	Use	Pentachlorophenol for utility poles and cross-arms in accordance with the provisions of Part VIII of this Annex
Perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS-related compounds “Perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS-related compounds” means the following:	Production	None
	Use	None

<p>(i) Perfluorohexane sulfonic acid (CAS No: 355-46-4, PFHxS), including branched isomers;</p> <p>(ii) Its salts;</p> <p>(iii) Any substance that contains the chemical moiety $C_6F_{13}SO_2^-$ as one of its structural elements and that potentially degrades to PFHxS.</p>		
<p>Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds</p> <p>“Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds” means the following:</p>	<p>Production</p>	<ul style="list-style-type: none"> Fire-fighting foam: None For other production, as allowed for the Parties listed in the Register in accordance with the provisions of part X of this Annex
<p>(i) Perfluorooctanoic acid (PFOA; CAS No. 335-67-1), including any of its branched isomers;</p> <p>(ii) Its salts;</p> <p>(iii) PFOA-related compounds which, for the purposes of the Convention, are any substances that degrade to PFOA, including any substances (including salts and polymers) having a linear or branched</p>	<p>Use</p>	<p>In accordance with the provisions of part X of this Annex:</p> <ul style="list-style-type: none"> Photolithography or etch processes in semiconductor manufacturing Photographic coatings applied to films Textiles for oil and water repellency for the protection of workers from dangerous liquids that comprise risks to their health and safety Invasive and implantable medical devices Fire-fighting foam for liquid fuel vapour suppression and liquid fuel fires (Class B fires) in installed systems, including both mobile and fixed systems, in accordance with paragraph 2 of part X of this Annex

<p>perfluoroheptyl group with the moiety (C_7F_{15}) C as one of the structural elements;</p> <p>The following compounds are not included as PFOA-related compounds:</p> <p>(iv) $C_8F_{17}-X$, where X= F, Cl, Br;</p> <p>(v) Fluoropolymers that are covered by $CF_3[CF_2]_n-R'$, where R'=any group, n>16;</p> <p>(vi) Perfluoroalkyl carboxylic and phosphonic acids (including their salts, esters, halides and anhydrides) with ≥ 8 perfluorinated carbons;</p> <p>(vii) Perfluoroalkane sulfonic acids (including their salts, esters, halides and anhydrides) with ≥ 9 perfluorinated carbons;</p> <p>(viii) Perfluorooctane sulfonic acid (PFOS), its salts and perfluorooctane sulfonyl fluoride (PFOSF), as listed in Annex B to the Convention.</p>	<ul style="list-style-type: none"> Use of perfluoroctyl iodide for the production of perfluoroctyl bromide for the purpose of producing pharmaceutical products, in accordance with the provisions of paragraph 3 of part X of this Annex Manufacture of polytetrafluoroethylene (PTFE) and polyvinylidene fluoride (PVDF) for the production of: <ul style="list-style-type: none"> High-performance, corrosion-resistant gas filter membranes, water filter membranes and membranes for medical textiles Industrial waste heat exchanger equipment Industrial sealants capable of preventing leakage of volatile organic compounds and PM2.5 particulates Manufacture of polyfluoroethylene propylene (FEP) for the production of high-voltage electrical wire and cables for power transmission Manufacture of fluoroelastomers for the production of O-rings, v-belts and plastic accessories for car interiors
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Polychlorinated Biphenyls (PCB)*	Production	None
	Use	Articles in use in accordance with the provisions of Part II of this Annex
Polychlorinated naphthalenes, including dichlorinated naphthalenes, trichlorinated naphthalenes, tetrachlorinated naphthalenes, pentachlorinated naphthalenes, hexachlorinated naphthalenes, heptachlorinated naphthalenes, octachlorinated naphthalene	Production	Intermediates in production of polyfluorinated naphthalenes, including octafluoronaphthalene
	Use	Production of polyfluorinated naphthalenes, including octafluoronaphthalene
Short-chain chlorinated paraffins (Alkanes, C₁₀₋₁₃, chloro)* : straight-chain chlorinated hydrocarbons with chain lengths ranging from C₁₀ to C₁₃ and a content of chlorine greater than 48 per cent by weight For example, the substances with the following CAS numbers may contain short-chain chlorinated paraffins: CAS No. 85535-84-8; CAS No. 68920-70-7; CAS No. 71011-12-6; CAS No. 85536-22-7; CAS No. 85681-73-8; CAS No. 108171-26-2.	Production	As allowed for the Parties listed in the Register
	Use	<ul style="list-style-type: none"> • Additives in the production of transmission belts in the natural and synthetic rubber industry • Spare parts of rubber conveyor belts in the mining and forestry industries • Leather industry, in particular fatliquoring in leather • Lubricant additives, in particular for engines of automobiles, electric generators and wind power facilities, and for drilling in oil and gas exploration, petroleum refinery to produce diesel oil • Tubes for outdoor decoration bulbs

		<ul style="list-style-type: none"> Waterproofing and fire-retardant paints Adhesives Metal processing Secondary plasticizers in flexible polyvinyl chloride, except in toys and children's products
Technical endosulfan* (CAS No: 115-29-7) and its related isomers* (CAS No: 959-98-8 and CAS No: 33213-65-9)	Production	As allowed for the Parties listed in the Register
	Use	Crop-pest complexes as listed in accordance with the provisions of part VI of this Annex
Tetrabromodiphenyl ether* and pentabromodiphenyl ether*	Production	None
	Use	Articles in accordance with the provisions of Part V of this Annex
Toxaphene* CAS No: 8001-35-2	Production	None
	Use	None
UV-328 CAS No. 25973-55-1	Production	As allowed for the Parties listed in the Register in accordance with the provisions of part XII of this Annex
	Use	<p>In accordance with part XII of this Annex:</p> <ul style="list-style-type: none"> Parts of motor vehicles (covering all land-based vehicles, such as cars, motorcycles, agricultural and construction vehicles and industrial trucks), such as bumper systems, radiator grills, spoilers, car garnish, roof modules, soft/hard tops, trunk lids and rear window wipers Industrial coating applications for motor vehicles, engineering machines, rail transportation vehicles, and heavy-duty coatings for large steel structures

	<ul style="list-style-type: none"> • Mechanical separators in blood collection tubes • Triacetyl cellulose (TAC) film in polarizers • Photographic paper • Replacement parts for articles in applications in accordance with the provisions of paragraphs 2 and 3 of part XII of this Annex • Water-seal tape for insulation blankets and decking on aircraft; and polyurethane and polyamide adhesives, and polyurethane coatings, for structural, mechanical, interior and electrical assemblies, and emergency, propulsion, environmental control, and flight control systems, on aircraft.
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Notes:

- (i) Except as otherwise specified in this Convention, quantities of a chemical occurring as unintentional trace contaminants in products and articles shall not be considered to be listed in this Annex;
- (ii) This note shall not be considered as a production and use specific exemption for purposes of paragraph 2 of Article 3. Quantities of a chemical occurring as constituents of articles manufactured or already in use before or on the date of entry into force of the relevant obligation with respect to that chemical, shall not be considered as listed in this Annex, provided that a Party has notified the Secretariat that a particular type of article remains in use within that Party. The Secretariat shall make such notifications publicly available;
- (iii) This note, which does not apply to a chemical that has an asterisk following its name in the Chemical column in Part I of this Annex, shall not be considered as a production and use specific exemption for purposes of paragraph 2 of Article 3. Given that no significant quantities of the chemical are expected to reach humans and the environment during the production and use of a closed-system site-limited intermediate, a Party, upon notification to the Secretariat, may allow the production and use of quantities of a chemical listed in this Annex as a closed-system site-limited intermediate that is chemically transformed in the manufacture of other chemicals that, taking into consideration the criteria in paragraph 1 of Annex D, do not exhibit the characteristics of persistent organic pollutants. This notification shall include information on total production and use of such chemical or a reasonable estimate of such information and information regarding the nature of the closed-system site-limited process including the amount of any non-transformed and unintentional trace contamination of the persistent organic pollutant-starting material in the final product. This procedure applies except as otherwise specified in this Annex. The Secretariat shall make such notifications available to the Conference of the Parties and to the public. Such production or use shall not be considered a production or use specific exemption. Such production and use shall cease after a ten-year period, unless the Party concerned submits a new notification to the Secretariat, in which case the period will be extended for an additional ten years

unless the Conference of the Parties, after a review of the production and use decides otherwise. The notification procedure can be repeated;

- (iv) All the specific exemptions in this Annex may be exercised by Parties that have registered exemptions in respect of them in accordance with Article 4 with the exception of the use of polychlorinated biphenyls in articles in use in accordance with the provisions of Part II, and the use of hexabromodiphenyl ether and heptabromodiphenyl ether in accordance with the provisions of Part IV of this Annex, and the use of tetrabromodiphenyl ether and pentabromodiphenyl ether in accordance with the provisions of Part V of this Annex, which may be exercised by all Parties.
- (v) Technical endosulfan (CAS No: 115-29-7), its related isomers (CAS No: 959-98-8 and CAS No: 33213-65-9) and endosulfan sulfate (CAS No: 1031-07-8) were assessed and identified as persistent organic pollutants.
- (vi) Pentachlorophenol (CAS No: 87-86-5), sodium pentachlorophenate (CAS No: 131-52-2 and 27735-64-4 (as monohydrate)) and pentachlorophenyl laurate (CAS No: 3772-94-9), when considered together with their transformation product pentachloroanisole (CAS No: 1825-21-4), were identified as persistent organic pollutants.
- (vii) Note (i) does not apply to quantities of a chemical that has a plus sign ("+") following its name in the "Chemical" column in Part I of this Annex that occurs in mixtures at concentrations greater than or equal to 1 per cent by weight.

Part II

Polychlorinated biphenyls

Each Party shall:

- a) With regard to the elimination of the use of polychlorinated biphenyls in equipment (e.g. transformers, capacitors or other receptacles containing liquid stocks) by 2025, subject to review by the Conference of the Parties, take action in accordance with the following priorities:
 - i. Make determined efforts to identify, label and remove from use equipment containing greater than 10 per cent polychlorinated biphenyls and volumes greater than 5 litres;
 - ii. Make determined efforts to identify, label and remove from use equipment containing greater than 0.05 per cent polychlorinated biphenyls and volumes greater than 5 litres;
 - iii. Endeavour to identify and remove from use equipment containing greater than 0.005 percent polychlorinated biphenyls and volumes greater than 0.05 litres;
- b) Consistent with the priorities in subparagraph (a), promote the following measures to reduce exposures and risk to control the use of polychlorinated biphenyls:
 - i. Use only in intact and non-leaking equipment and only in areas where the risk from environmental release can be minimised and quickly remedied;

- ii. Not use in equipment in areas associated with the production or processing of food or feed;
- iii. When used in populated areas, including schools and hospitals, all reasonable measures to protect from electrical failure which could result in a fire, and regular inspection of equipment for leaks;
- c) Notwithstanding paragraph 2 of Article 3, ensure that equipment containing polychlorinated biphenyls, as described in subparagraph (a), shall not be exported or imported except for the purpose of environmentally sound waste management;
- d) Except for maintenance and servicing operations, not allow recovery for the purpose of reuse in other equipment of liquids with polychlorinated biphenyls content above 0.005 per cent;
- e) Make determined efforts designed to lead to environmentally sound waste management of liquids containing polychlorinated biphenyls and equipment contaminated with polychlorinated biphenyls having a polychlorinated biphenyls content above 0.005 per cent, in accordance with paragraph 1 of Article 6, as soon as possible but no later than 2028, subject to review by the Conference of the Parties;
- f) In lieu of note (ii) in Part I of this Annex, endeavour to identify other articles containing more than 0.005 per cent polychlorinated biphenyls (e.g. cable-sheaths, cured caulk and painted objects) and manage them in accordance with paragraph 1 of Article 6;
- g) Provide a report every five years on progress in eliminating polychlorinated biphenyls and submit it to the Conference of the Parties pursuant to Article 15;
- h) The reports described in subparagraph (g) shall, as appropriate, be considered by the Conference of the Parties in its reviews relating to polychlorinated biphenyls. The Conference of the Parties shall review progress towards elimination of polychlorinated biphenyls at five year intervals or other period, as appropriate, taking into account such reports.

Part III

Definitions

For the purpose of this Annex:

- a) “Hexabromodiphenyl ether and heptabromodiphenyl ether” mean 2,2',4,4',5,5'-hexabromodiphenyl ether (BDE-153, CAS No: 68631-49-2), 2,2',4,4',5,6'-hexabromodiphenyl ether (BDE-154, CAS No: 207122-15-4), 2,2',3,3',4,5,6-heptabromodiphenyl ether (BDE-175, CAS No: 446255-22-7),

2,2',3,4,4',5',6-heptabromodiphenyl ether (BDE-183, CAS No: 207122-16-5) and other hexa- and heptabromodiphenyl ethers present in commercial octabromodiphenyl ether.

- b) "Tetrabromodiphenyl ether and pentabromodiphenyl ether" means 2,2',4,4'-tetrabromodiphenyl ether (BDE-47, CAS No: 5436-43-1) and 2,2',4,4',5-pentabromodiphenyl ether (BDE-99, CAS No: 60348-60-9) and other tetra- and pentabromodiphenyl ethers present in commercial pentabromodiphenyl ether.
- c) "Hexabromocyclododecane" means hexabromocyclododecane (CAS No: 25637-99-4), 1, 2, 5, 6, 9, 10-hexabromocyclododecane (CAS No: 3194-55-6) and its main diastereoisomers: alpha-hexabromocyclododecane (CAS No: 134237-50-6); beta-hexabromocyclododecane (CAS No: 134237-51-7); and gamma-hexabromocyclododecane (CAS No: 134237-52-8).

Part IV

Hexabromodiphenyl ether and heptabromodiphenyl ether

- 1. A Party may allow recycling of articles that contain or may contain hexabromodiphenyl ether and heptabromodiphenyl ether, and the use and final disposal of articles manufactured from recycled materials that contain or may contain hexabromodiphenyl ether and heptabromodiphenyl ether, provided that:
 - a) The recycling and final disposal is carried out in an environmentally sound manner and does not lead to recovery of hexabromodiphenyl ether and heptabromodiphenyl ether for the purpose of their reuse;
 - b) The Party takes steps to prevent exports of such articles that contain levels/concentrations of hexabromodiphenyl ether and heptabromodiphenyl ether exceeding those permitted for the sale, use, import or manufacture of those articles within the territory of the Party; and
 - c) The Party has notified the Secretariat of its intention to make use of this exemption.
- 2. At its sixth ordinary meeting and at every second ordinary meeting thereafter the Conference of the Parties shall evaluate the progress that Parties have made towards achieving their ultimate objective of elimination of hexabromodiphenyl ether and heptabromodiphenyl ether contained in articles and review the continued need for this specific exemption. This specific exemption shall in any case expire at the latest in 2030.

Part V

Tetrabromodiphenyl ether and pentabromodiphenyl ether

1. A Party may allow recycling of articles that contain or may contain tetrabromodiphenyl ether and pentabromodiphenyl ether, and the use and final disposal of articles manufactured from recycled materials that contain or may contain tetrabromodiphenyl ether and pentabromodiphenyl ether, provided that:
 - a) The recycling and final disposal is carried out in an environmentally sound manner and does not lead to recovery of tetrabromodiphenyl ether and pentabromodiphenyl ether for the purpose of their reuse;
 - b) The Party does not allow this exemption to lead to the export of articles containing levels/concentrations of tetrabromodiphenyl ether and pentabromodiphenyl ether that exceed those permitted to be sold the within the territory of the Party; and
 - c) The Party has notified the Secretariat of its intention to make use of this exemption.
2. At its sixth ordinary meeting and at every second ordinary meeting thereafter the Conference of the Parties shall evaluate the progress that Parties have made towards achieving their ultimate objective of elimination of tetrabromodiphenyl ether and pentabromodiphenyl ether contained in articles and review the continued need for this specific exemption. This specific exemption shall in any case expire at the latest in 2030.

Part VI

Technical endosulfan and its related isomers (endosulfan)

1. The production and use of endosulfan shall be eliminated except for Parties that have notified the Secretariat of their intention to produce and/or use it in accordance with Article 4 of the Convention. Specific exemptions may be available for the use of endosulfan for the following crop-pest complexes:

Crop	Pest
Apple	Aphids
Arhar, gram	Aphids, caterpillars, pea semilooper, pod borer
Bean, cowpea	Aphids, leaf miner, whiteflies
Chilli, onion, potato	Aphids, jassids
Coffee	Berry borer, stem borers
Cotton	Aphids, cotton bollworm, jassids, leaf rollers, pink bollworm, thrips, whiteflies
Eggplant, okra	Aphids, diamondback moth, jassids, shoot and fruit borer
Groundnut	Aphids
Jute	Bihar hairy caterpillar, yellow mite
Maize	Aphids, pink borer, stem borers
Mango	Fruit flies, hoppers
Mustard	Aphids, gall midges
Rice	Gall midges, rice hispa, stem borers, white jassid
Tea	Aphids, caterpillars, flushworm, mealybugs, scale insects, smaller green leafhopper, tea geometrid, tea mosquito bug, thrips
Tobacco	Aphids, oriental tobacco budworm
Tomato	Aphids, diamondback moth, jassids, leaf miner, shoot and fruit borer, whiteflies
Wheat	Aphids, pink borer, termites

Part VII

Hexabromocyclododecane

Each Party that has registered for the exemption pursuant to Article 4 for the production and use of hexabromocyclododecane for expanded polystyrene and extruded polystyrene in buildings shall take necessary measures to ensure that expanded polystyrene and extruded polystyrene containing hexabromocyclododecane can be easily identified by labelling or other means throughout its life cycle.

Part VIII

Pentachlorophenol and its salts and esters

Each Party that has registered for the exemption, pursuant to Article 4 for the production and use of pentachlorophenol for utility poles and cross-arms shall take the necessary measures to ensure that utility poles and cross-arms containing pentachlorophenol can be easily identified by labelling or other means throughout their life cycles. Articles treated with pentachlorophenol should not be reused for purposes other than those exempted.

Part IX

Decabromodiphenyl ether

1. The production and use of decabromodiphenyl ether shall be eliminated except for Parties that have notified the Secretariat of their intention to produce and/or use it in accordance with Article 4.
2. Specific exemptions for parts for use in vehicles may be available for the production and use of commercial decabromodiphenyl ether limited to the following:
 - a) Parts for use in legacy vehicles, defined as vehicles that have ceased mass production, and with such parts falling into one or more of the following categories:
 - i. Powertrain and under-hood applications such as battery mass wires, battery interconnection wires, mobile air-conditioning (MAC) pipes, powertrains, exhaust manifold bushings, under-hood insulation, wiring and harness under hood (engine wiring, etc.), speed sensors, hoses, fan modules and knock sensors;

- ii. Fuel system applications such as fuel hoses, fuel tanks and fuel tanks under body;
 - iii. Pyrotechnical devices and applications affected by pyrotechnical devices such as air bag ignition cables, seat covers/fabrics (only if airbag relevant) and airbags (front and side);
 - iv. Suspension and interior applications such as trim components, acoustic material and seat belts.
- b) Parts in vehicles specified in paragraphs 2 (a) (i)–(iv) above and those falling into one or more of the following categories:
 - i. Reinforced plastics (instrument panels and interior trim);
 - ii. Under the hood or dash (terminal/fuse blocks, higher-amperage wires and cable jacketing (spark plug wires));
 - iii. Electric and electronic equipment (battery cases and battery trays, engine control electrical connectors, components of radio disks, navigation satellite systems, global positioning systems and computer systems);
 - iv. Fabric such as rear decks, upholstery, headliners, automobile seats, head rests, sun visors, trim panels, carpets.
- 3. The specific exemptions for parts specified in paragraph 2 (a) above shall expire at the end of the service life of legacy vehicles or in 2036, whichever comes earlier.
- 4. The specific exemptions for parts specified in paragraph 2 (b) above shall expire at the end of the service life of vehicles or in 2036, whichever comes earlier.
- 5. The specific exemptions for spare parts for aircraft for which type approval has been applied for before December 2018 and has been received before December 2022 shall expire at the end of the service life of those aircraft.

Part X

Perfluorooctanoic acid (PFOA), its salts and PFOA-related compounds

- 1. The production and use of perfluorooctanoic acid (PFOA), its salts and PFOA related compounds shall be eliminated except for Parties that have notified the Secretariat of their intention to produce and/or use them in accordance with Article 4 of the Convention.
- 2. Each Party that has registered for a specific exemption pursuant to Article 4 for the use of PFOA, its salts and PFOA-related compounds for fire-fighting foam shall:

- a) Notwithstanding paragraph 2 of Article 3, ensure that fire-fighting foam that contains or may contain PFOA, its salts and PFOA-related compounds shall not be exported or imported except for the purpose of environmentally sound disposal as set forth in paragraph 1 (d) of Article 6;
- b) Not use fire-fighting foam that contains or may contain PFOA, its salts and PFOA-related compounds for training;
- c) Not use fire-fighting foam that contains or may contain PFOA, its salts and PFOA-related compounds for testing unless all releases are contained;
- d) By the end of 2022, if it has the capacity to do so, but no later than 2025, restrict uses of fire-fighting foam that contains or may contain PFOA, its salts and PFOA-related compounds to sites where all releases can be contained;
- e) Make determined efforts designed to lead to the environmentally sound management of fire-fighting foam stockpiles and wastes that contain or may contain PFOA, its salts and PFOA-related compounds, in accordance with paragraph 1 of Article 6, as soon as possible;

3. With regard to the specific exemption for the use of perfluorooctyl iodide for the production of perfluorooctyl bromide for the purpose of producing pharmaceutical products, at its thirteenth ordinary meeting and at every second ordinary meeting thereafter, the Conference of the Parties shall review the continued need for this specific exemption. This specific exemption shall in any case expire at the latest in 2036.

Part XI

Dechlorane Plus

1. The use of Dechlorane Plus shall be eliminated except for Parties that have notified the Secretariat of their intention to use it in accordance with Article 4.
2. Specific exemptions for the use of Dechlorane Plus for replacement parts for, and repair of, articles shall apply where Dechlorane Plus was originally used in the manufacture of those articles and may be available, limited to the following applications, until the end of the service life of the articles or 2044, whichever comes earlier:
 - a) Aerospace (such as aircraft engine fan case rub strip products and void-filling and edge-sealing products, aircraft engine manufacturing repairs, electrical items, structural panels and aircraft cabin interiors);

- b) Space (such as satellites, probes and other exploration equipment, manned cabins and laboratories, heat-insulating materials for rocket motors and ground support equipment);
- c) Defence (such as naval vessels, missiles, launch platforms, ordnance, communication equipment, radar and lidar systems and support equipment);
- d) Motor vehicles (covering all land-based vehicles, such as cars, motorcycles, agricultural and construction vehicles and industrial trucks; applications include cables, wire harnesses, connectors and insulation tapes);
- e) Stationary industrial machines (such as tower cranes, concrete plants and hydraulic crushers; applications include cables, wire harnesses, connectors and insulation tapes) for use in agriculture, forestry and construction;
- f) Marine, garden, forestry and outdoor power equipment;
- g) Instruments for analysis, measurements, control, monitoring, testing, production and inspection.

3. Specific exemptions for the use of Dechlorane Plus for replacement parts for, and repair of, articles shall apply where Dechlorane Plus was originally used in the manufacture of those articles and may be available, limited to the following applications, until the end of the service life of those articles, subject to review by the Conference of the Parties no later than 2041:

- a) Medical devices (such as ultrasound diagnostic devices, magnetic resonance imaging systems, X-ray imaging systems, flexible endoscopes and radiotherapy devices and installations);
- b) In-vitro diagnostic devices (such as immunoassay analysers, haematology analysers, polymerase chain reaction (PCR) testing systems, genetic analysers, clinical chemistry analysers, blood coagulation analysers and urinalysis analysers).

Part XII

UV-328

1. The production and use of UV-328 shall be eliminated except for Parties that have notified the Secretariat of their intention to produce and/or use it in accordance with Article 4.
2. Specific exemptions for the production and use of UV-328 for replacement parts for articles shall apply where UV-328 was originally used in the manufacture of those articles and may be available, limited to the following applications, until the end of the service life of the articles or 2044, whichever comes earlier:

- a) Motor vehicles (covering all land-based vehicles, such as cars, motorcycles, agricultural and construction vehicles and industrial trucks);
 - b) Stationary industrial machines (such as tower cranes, concrete plants and hydraulic crushers) for use in agriculture, forestry and construction;
 - c) Liquid crystal displays in instruments for analysis, measurements, control, monitoring, testing, production and inspection (such as recorders, infrared radiation thermometers, digital storage oscilloscopes and radiographic testing instruments) other than for medical applications.
3. Specific exemptions for the use of UV-328 for replacement parts for articles for the following applications for medical purposes shall apply where UV-328 was originally used in the manufacture of those articles and may be available until the end of the service life of those articles, subject to review by the Conference of the Parties no later than 2041:
 - a) Liquid crystal displays in medical and in-vitro diagnostic devices (such as ultrasound diagnostic devices, flexible endoscopes, immunoassay analysers, clinical chemistry analysers and blood coagulation analysers);
 - b) Liquid crystal displays in instruments for analysis, measurements, control, monitoring, testing, production and inspection (such as recorders, infrared radiation thermometers, digital storage oscilloscopes and radiographic testing instruments).
4. Regarding the specific exemption for “water-seal tape for insulation blankets and decking on aircraft; and polyurethane and polyamide adhesives, and polyurethane coatings, for structural, mechanical, interior and electrical assemblies, and emergency, propulsion, environmental control, and flight control systems, on aircraft”, it is limited to use only. This exemption shall in any case expire by the end of 2030.

Part XIII

Medium-chain chlorinated paraffins

1. The production and use of medium-chain chlorinated paraffins shall be eliminated except for Parties that have notified the Secretariat of their intention to produce and/or use them in accordance with Article 4.
2. Note (i) of Annex A does not apply when the summed concentration of the following $C_{14-17}H_{(30-y)}Cl_y$ where $y \geq 5$; $C_{15}H_{(32-y)}Cl_y$ where $y \geq 5$; $C_{16}H_{(34-y)}Cl_y$ where $y \geq 6$; $C_{17}H_{(36-y)}Cl_y$ where $y \geq 6$ in substances or mixtures occurs at a concentrations greater than 3 per cent by weight, subject to review by the

Conference of the Parties at its fourteenth ordinary meeting and every second ordinary meeting thereafter, with the aim to reduce this limit over time.

3. Each Party is encouraged to require that manufacturers of chlorinated paraffins within their jurisdiction disclose information, including to others in the supply chain, on the summed concentration of the following linear C_{14-17} chloroalkanes in those chlorinated paraffins:

- a) $\Sigma C_{14} H_{(30-y)} Cl_y$ where $y \geq 5$;
- b) $\Sigma C_{15} H_{(32-y)} Cl_y$ where $y \geq 5$;
- c) $\Sigma C_{16} H_{(34-y)} Cl_y$ where $y \geq 6$;
- d) $\Sigma C_{17} H_{(36-y)} Cl_y$ where $y \geq 6$.

Alternatively, manufacturers of chlorinated paraffins can provide information, including to others in the supply chain, on the concentration of linear C_{14-17} alkanes present in the feedstock used to produce the corresponding chlorinated paraffins.

4. For mixtures containing more than one chlorinated paraffin product, or containing chlorinated paraffin products and other substances, Parties are encouraged to require that the information on the concentrations specified in paragraph 3 above be provided for all chlorinated paraffin products present in the mixture.
5. Specific exemptions for the production and use of medium-chain chlorinated paraffins for metalworking fluids shall apply where they are used in professional or industrial settings with collection systems, and may be available until 2036, limited to use as extreme temperature and pressure additives for metalworking fluids used in "heavy-duty" processes (including deep drawing, broaching and fine blanking, drawing with ironing, precision metalworking (cutting/punching/drilling), tapping, cold drawing, cold rolling (pilgering), stamping, forging, and grinding) for the production and repair of metals and metal alloy components (including steel, titanium, nickel, aluminium, copper, magnesium and beryllium) such as those used in the following applications and sectors:
 - a) Aerospace;
 - b) Defence;
 - c) Motor vehicles covering all land-based vehicles, such as cars, motorcycles, agriculture and construction vehicles, and industrial trucks;
 - d) Electrical and electronic equipment (EEE) used in medical devices, in-vitro diagnostics devices, and instruments for measurement, analysis, manufacturing, control, monitoring, testing and inspection;

- e) Machinery and tools used in agriculture, building/construction, forestry and landscaping;
- f) Energy and power generation;
- g) Oil and gas extraction;
- h) Chemical production and refining;
- i) Nuclear power facilities;
- j) Low-carbon and renewable energy technologies;
- k) Non-EEE medical devices;

6. Each Party that has registered for a specific exemption pursuant to Article 4 for the use of medium-chain chlorinated paraffins for metalworking fluids in professional or industrial settings with collection systems shall take measures to ensure protection of workers from risks associated with these uses.

7. Specific exemptions for the production and use of medium-chain chlorinated paraffins for polymers and rubbers (including PVC, ethylene propylene diene monomer (EPDM) rubber, chloroprene (CR), nitrile butadiene rubber (NBR) and chlorinated polyethylene (CPE)), used in replacement parts for, and repair of, articles shall apply where the substances were originally used in the manufacture of those articles, and may be available, limited to use in the following applications, until the end of service life of the articles or 2041, whichever comes earlier:

- a) Parts for land-based motor vehicles and machinery used in agriculture, construction, forestry, and landscaping (including powertrain and under-hood applications such as powertrains: wiring and under-hood harnesses (engine wiring, etc.); hoses, caps, tubes, filters; fuel system applications such as fuel hoses, fuel tanks, caps and underbodies; suspension and interior applications such as trim components, acoustic material and seat belts; exterior vehicle applications such as foam pads, sealers, gaskets, fasteners and windows; pyrotechnical devices and applications affected by pyrotechnical devices such as airbag ignition cables, seat covers/fabrics (only if airbag-relevant) and airbags);
- b) EEE used for medical devices, in-vitro diagnostics devices, and instruments for measurement, analysis, manufacturing, control, monitoring, testing and inspection;
- c) Aerospace and defence applications.

8. Specific exemptions for the production and use of medium-chain chlorinated paraffins for ammunition pyrotechnic defence devices to achieve specific effects (e.g. sound, smoke, light) may be available until 2041.
9. Specific exemptions for the production and use of medium-chain chlorinated paraffins for intumescent coating and paint for space and defence equipment and its packaging to protect against extreme temperature may be available until 2041.
10. Specific exemptions for the production and use of medium-chain chlorinated paraffins in coating and paint for the repair of, and use in replacement parts for, space and defence equipment shall apply where medium-chain chlorinated paraffins were originally used in the manufacture of that equipment and may remain available until the end of service life of that equipment for its repair and maintenance, subject to review by the Conference of the Parties no later than 2041.
11. Each Party that has registered for a specific exemption pursuant to Article 4 for the use of medium-chain chlorinated paraffins in coating and paint for the repair of, and use in replacement parts for, space and defence equipment shall take measures to ensure the protection of workers from risks associated with this use.
12. With regard to the specific exemptions for the production and use of medium chain chlorinated paraffins for the applications referred to in paragraphs 8 and 9, at its fifteenth ordinary meeting and at every second ordinary meeting thereafter, the Conference of the Parties shall review the continued need for these specific exemptions.

Part XIV

Long-chain perfluorocarboxylic acids, their salts and related compounds

1. The production and use of long-chain perfluorocarboxylic acids, their salts and related compounds shall be eliminated except for Parties that have notified the Secretariat of their intention to produce and/or use them in accordance with Article 4.
2. Specific exemptions for the production and use of long-chain perfluorocarboxylic acids, their salts and related compounds, limited to the following applications, may be available until the end of the service life of articles being repaired or until 2041, whichever comes earlier:

- a) Semiconductors designed for replacement parts for combustion-engine-powered vessels;
- b) Replacement parts for motor vehicles that have ceased mass production, covering all land-based vehicles, such as cars, motorcycles, agricultural and construction vehicles, and industrial trucks. Applications include semiconductors, coatings, cables, electronics, engines and under-hood applications, modules, hydraulic system components and relay assemblies.

Part XV

Chlorpyrifos

1. The production and use of chlorpyrifos shall be eliminated except for Parties that have notified the Secretariat of their intention to produce and/or use it in accordance with Article 4 of the Convention.
2. Specific exemptions for chlorpyrifos may be available for agricultural use only for the following crop pest complexes:

Crop	Pest
Barley	Termites
Cabbage	Diamondback moth (<i>Plutella xylostella</i>)
Cacao	Cacao-mosquitos (<i>Helopeltis spp.</i>), cacao pod borer (<i>Conopomorpha cramerella</i>)
Chickpea	Cutworms
Citrus	Scale insects
Cotton, cotton seed	Aphids, carpophagous caterpillars, cutworms, spider mites, cotton leaf roller (<i>Syllepte derogata</i>), whitefly larvae, whitefly adults
Eggplant	Shoot and fruit borer (<i>Leucinodes orbonalis</i>)
Maize	Armyworms (<i>Spodoptera cosmioides</i> and <i>Spodoptera frugiperda</i>), lesser cornstalk borer (<i>Elasmopalpus lignosellus</i>), variegated cutworm (<i>Peridroma saucia</i>), corn earworm (<i>Helicoverpa armigera</i>), sugarcane white grub (<i>Lepidiota stigma</i>), seedling flies (<i>Atherigona spp.</i>), stem borer (<i>Ostrinia furnacalis</i>), green stink bug (<i>Nezara viridula</i>)

Onion	Root grubs
Peanut	White grubs
Pineapple	Mealybug (<i>Dysmicoccus brevipes</i>), pineapple weevil (<i>Metamasius dimidiatipennis</i>), glasshouse symphytid (<i>Scutigerella immaculata</i>)
Rapeseed	Crucifer flea beetle, turnip sawfly, common pollen beetle, turnip gall weevil
Rice	Rice planthoppers, rice stem borers, rice leaf rollers
Sorghum	Armyworms (<i>Spodoptera cosmioides</i> and <i>Spodoptera frugiperda</i>), lesser cornstalk borer (<i>Elasmopalpus lignosellus</i>)
Soya bean	Armyworm (<i>Spodoptera litura</i>), soybean pod borer (<i>Etiella zinckenella</i>), soybean seed fly (<i>Ophiomyia phaseoli</i>), soybean leaf beetle (<i>Phaedonia inclusa</i> stall), tobacco whitefly (<i>Bemisia tabaci</i>), soybean aphid (<i>Aphis glycines</i>), spiraling whitefly (<i>Aleurodicus dispersus</i>), green stink bug (<i>Nezara viridula</i>), brown stink bug (<i>Riptortus linearis</i>), spider mite (<i>Tetranychus cinnabarinus</i>)
Sugar cane	Termites, beetles, sugarcane white grub (<i>Lepidiota stigma</i>), sugarcane top borer (<i>Triopyza vinella</i>), sugarcane stem borer (<i>Proceras sacchariphagus</i>)
Teff	Termites
Wheat	Termites, corn bugs, wheat chafers, leaf beetles, aphids, thrips

ANNEX B³ RESTRICTION

Part I

Chemical	Activity	Acceptable purpose or specific exemption ⁴
<p>DDT (1,1,1-trichloro-2,2-bis (4-chlorophenyl)ethane) CAS No: 50-29-3</p>	Production	<u>Acceptable purpose:</u> Disease vector control use in accordance with Part II of this Annex <u>Specific exemption:</u> Intermediate in production of dicofol Intermediate
	Use	<u>Acceptable purpose:</u> Disease vector control in accordance with Part II of this Annex <u>Specific exemption:</u> Production of dicofol Intermediate
Perfluorooctane sulfonic acid (CAS No. 1763-23-1), its salts^a and perfluorooctane sulfonyl fluoride (CAS No. 307-35-7)	Production	<u>Acceptable purpose:</u> In accordance with Part III of this Annex, production of other chemicals to be used solely for the use below. Production for uses listed below. <u>Specific exemption:</u> None

³ Secretariat note: As amended by decision SC-4/17 of 8 May 2009 and SC-9/4 of 10 May 2019

⁴ Secretariat note: Please note that, in accordance with paragraph 9 of Article 4 of the Convention, when there are no longer any Parties registered for a particular type of specific exemption no new registrations may be made with respect to such exemptions, which appear in grey text in the table.

<p>lithium perfluorooctane sulfonate (CAS No. 29457-72-5); ammonium perfluorooctane sulfonate (CAS No. 29081-56-9); diethanolammonium perfluorooctane sulfonate (CAS No. 70225-14-8); tetraethylammonium perfluorooctane sulfonate (CAS No. 56773-42-3); didecyldimethylammonium perfluorooctane sulfonate (CAS No. 251099-16-8)</p>	<p>Use</p>	<p>Acceptable purpose: In accordance with Part III of this Annex for the following acceptable purpose, or as an intermediate in the production of chemicals with the following acceptable purpose:</p> <ul style="list-style-type: none"> • Insect baits with sulfluramid (CAS No. 4151-50-2) as an active ingredient for control of leaf-cutting ants from <i>Atta</i> spp. and <i>Acromyrmex</i> spp. for agricultural use only <p>Specific exemption:</p> <ul style="list-style-type: none"> • Metal plating (hard-metal plating) only in closed-loop systems • Fire-fighting foam for liquid fuel vapour suppression and liquid fuel fires (Class B fires) in installed systems, including both mobile and fixed systems, in accordance with paragraph 10 of part III of this Annex
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Notes:

- (i) Except as otherwise specified in this Convention, quantities of a chemical occurring as unintentional trace contaminants in products and articles shall not be considered to be listed in this Annex;
- (ii) This note shall not be considered as a production and use acceptable purpose or specific exemption for purposes of paragraph 2 of Article 3. Quantities of a chemical occurring as constituents of articles manufactured or already in use before or on the date of entry into force of the relevant obligation with respect to that chemical, shall not be considered as listed in this Annex, provided that a Party has notified the Secretariat that a particular type of article remains in use within that Party. The Secretariat shall make such notifications publicly available;
- (iii) This note shall not be considered as a production and use specific exemption for purposes of paragraph 2 of Article 3. Given that no significant quantities of the chemical are expected to reach humans and the environment during the production and use of a closed-system site-limited intermediate, a Party, upon notification to the Secretariat, may allow the production and use of quantities of a chemical listed in this Annex as a closed-system site-limited intermediate that is chemically transformed in the manufacture of other chemicals that, taking into consideration the criteria in paragraph 1 of Annex D, do not exhibit the characteristics of persistent organic pollutants. This notification shall include information on total production and use of such chemical or a reasonable estimate of such information and information regarding the nature of the closed-system site-limited process including the amount of any non-transformed and unintentional trace contamination of the persistent organic pollutant-starting material in the final product. This procedure applies except as otherwise specified in this Annex. The Secretariat

shall make such notifications available to the Conference of the Parties and to the public. Such production or use shall not be considered a production or use specific exemption. Such production and use shall cease after a ten-year period, unless the Party concerned submits a new notification to the Secretariat, in which case the period will be extended for an additional ten years unless the Conference of the Parties, after a review of the production and use decides otherwise. The notification procedure can be repeated;

- (iv) All the specific exemptions in this Annex may be exercised by Parties that have registered in respect of them in accordance with Article 4.

Part II

DDT (1,1,1-trichloro-2,2-bis (4-chlorophenyl)ethane)

1. The production and use of DDT shall be eliminated except for Parties that have notified the Secretariat of their intention to produce and/or use it. A DDT Register is hereby established and shall be available to the public. The Secretariat shall maintain the DDT Register.
2. Each Party that produces and/or uses DDT shall restrict such production and/ or use for disease vector control in accordance with the World Health Organization recommendations and guidelines on the use of DDT and when locally safe, effective and affordable alternatives are not available to the Party in question.
3. In the event that a Party not listed in the DDT Register determines that it requires DDT for disease vector control, it shall notify the Secretariat as soon as possible in order to have its name added forthwith to the DDT Register. It shall at the same time notify the World Health Organization.
4. Every three years, each Party that uses DDT shall provide to the Secretariat and the World Health Organization information on the amount used, the conditions of such use and its relevance to that Party's disease management strategy, in a format to be decided by the Conference of the Parties in consultation with the World Health Organization.
5. With the goal of reducing and ultimately eliminating the use of DDT, the Conference of the Parties shall encourage:
 - a) Each Party using DDT to develop and implement an action plan as part of the implementation plan specified in Article 7. That action plan shall include:
 - i. Development of regulatory and other mechanisms to ensure that DDT use is restricted to disease vector control;
 - ii. Implementation of suitable alternative products, methods and strategies, including resistance management strategies to ensure the continuing effectiveness of these alternatives;

- iii. Measures to strengthen health care and to reduce the incidence of the disease.
- b) The Parties, within their capabilities, to promote research and development of safe alternative chemical and non-chemical products, methods and strategies for Parties using DDT, relevant to the conditions of those countries and with the goal of decreasing the human and economic burden of disease. Factors to be promoted when considering alternatives or combinations of alternatives shall include the human health risks and environmental implications of such alternatives. Viable alternatives to DDT shall pose less risk to human health and the environment, be suitable for disease control based on conditions in the Parties in question and be supported with monitoring data.
6. Commencing at its first meeting, and at least every three years thereafter, the Conference of the Parties shall, in consultation with the World Health Organization, evaluate the continued need for DDT for disease vector control on the basis of available scientific, technical, environmental and economic information, including:
 - a) The production and use of DDT and the conditions set out in paragraph 2;
 - b) The availability, suitability and implementation of the alternatives to DDT; and
 - c) Progress in strengthening the capacity of countries to transfer safely to reliance on such alternatives.
7. A Party may, at any time, withdraw its name from the DDT Registry upon written notification to the Secretariat. The withdrawal shall take effect on the date specified in the notification.

Part III

Perfluorooctane sulfonic acid, its salts, and perfluorooctane sulfonyl fluoride

1. The production and use of perfluorooctane sulfonic acid (PFOS), its salts and perfluorooctane sulfonyl fluoride (PFOSF) shall be eliminated by all Parties except as provided in Part I of this Annex for Parties that have notified the Secretariat of their intention to produce and/or use them for acceptable purposes. A Register of Acceptable Purposes is hereby established and shall be available to the public. The Secretariat shall maintain the Register of Acceptable Purposes. In the event that a Party not listed in the Register determines that it requires the use of PFOS, its salts or PFOSF for the acceptable purposes listed in Part I of this Annex it shall notify the Secretariat as soon as possible in order to have its name added forthwith to the Register.

2. Parties that produce and/or use these chemicals shall take into account, as appropriate, guidance such as that given in the relevant parts of the general guidance on best available techniques and best environmental practices given in Part V of Annex C of the Convention.
3. Every four years, each Party that uses and/or produces these chemicals shall report on progress made to eliminate PFOS, its salts and PFOSF and submit information on such progress to the Conference of the Parties pursuant to and in the process of reporting under Article 15 of the Convention.
4. With the goal of reducing and ultimately eliminating the production and/or use of these chemicals, the Conference of the Parties shall encourage:
 - a) Each Party using these chemicals to take action to phase out uses when suitable alternatives substances or methods are available;
 - b) Each Party using and/or producing these chemicals to develop and implement an action plan as part of the implementation plan specified in Article 7 of the Convention;
 - c) The Parties, within their capabilities, to promote research on and development of safe alternative chemical and non-chemical products and processes, methods and strategies for Parties using these chemicals, relevant to the conditions of those Parties. Factors to be promoted when considering alternatives or combinations of alternatives shall include the human health risks and environmental implications of such alternatives.
5. The Conference of the Parties shall evaluate the continued need for these chemicals for the various acceptable purposes and specific exemptions on the basis of available scientific, technical, environmental and economic information, including:
 - a) Information provided in the reports described in paragraph 3;
 - b) Information on the production and use of these chemicals;
 - c) Information on the availability, suitability and implementation of alternatives to these chemicals;
 - d) Information on progress in building the capacity of countries to transfer safely to reliance on such alternatives.
6. The evaluation referred to in the preceding paragraph shall take place no later than in 2015 and every four years thereafter, in conjunction with a regular meeting of the Conference of the Parties.

7. Due to the complexity of the use and the many sectors of society involved in the use of these chemicals, there might be other uses of these chemicals of which countries are not presently aware. Parties which become aware of other uses are encouraged to inform the Secretariat as soon as possible.
8. A Party may, at any time, withdraw its name from the Register of acceptable purposes upon written notification to the Secretariat. The withdrawal shall take effect on the date specified in the notification.
9. The provisions of note (iii) of Part I of Annex B shall not apply to these chemicals.
10. Each Party that has registered for an exemption pursuant to Article 4 for the use of PFOS, its salts and PFOSF for fire-fighting foam shall:
 - a) Notwithstanding paragraph 2 of Article 3, ensure that fire-fighting foam that contains or may contain PFOS, its salts and PFOSF shall not be exported or imported except for the purpose of environmentally sound disposal as set forth in paragraph 1 (d) of Article 6;
 - b) Not use fire-fighting foam that contains or may contain PFOS, its salts and PFOSF for training;
 - c) Not use fire-fighting foam that contains or may contain PFOS, its salts and PFOSF for testing unless all releases are contained;
 - d) By the end of 2022, if it has the capacity to do so, restrict uses of fire-fighting foam that contains or may contain PFOS, its salts and PFOSF to sites where all releases can be contained;
 - e) Make determined efforts designed to lead to the environmentally sound management of fire-fighting foam stockpiles and wastes that contain or may contain PFOS, its salts and PFOSF, in accordance with paragraph 1 of Article 6, as soon as possible.

ANNEX C⁵ UNINTENTIONAL PRODUCTION

Part I

Persistent organic pollutants subject to the requirements of Article 5

This Annex applies to the following persistent organic pollutants when formed and released unintentionally from anthropogenic sources:

Chemical
Hexachlorobenzene (HCB) (CAS No: 118-74-1)
Hexachlorobutadiene (CAS No: 87-68-3)
Pentachlorobenzene (PeCB) (CAS No: 608-93-5)
Polychlorinated biphenyls (PCB)
Polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/PCDF)
Polychlorinated naphthalenes, including dichlorinated naphthalenes, trichlorinated naphthalenes, tetrachlorinated naphthalenes, pentachlorinated naphthalenes, hexachlorinated naphthalenes, heptachlorinated naphthalenes, octachlorinated naphthalene

Part II

Source categories

Hexachlorobenzene, hexachlorobutadiene, pentachlorobenzene, polychlorinated biphenyls, polychlorinated dibenzo-p-dioxins and dibenzofurans, polychlorinated naphthalenes, including dichlorinated naphthalenes, trichlorinated naphthalenes, tetrachlorinated naphthalenes, pentachlorinated naphthalenes, hexachlorinated naphthalenes, heptachlorinated naphthalenes, octachlorinated naphthalene are unintentionally formed and released from thermal processes involving organic matter and chlorine as a result of incomplete combustion or chemical reactions.

The following industrial source categories have the potential for comparatively high formation and release of these chemicals to the environment:

⁵ Secretariat note: As amended by decisions SC-4/16 and SC-4/18 of 8 May 2009; SC-7/14 of 15 May 2015; and SC-8/12 of 5 May 2017.

- a) Waste incinerators, including co-incinerators of municipal, hazardous or medical waste or of sewage sludge;
- b) Cement kilns firing hazardous waste;
- c) Production of pulp using elemental chlorine or chemicals generating elemental chlorine for bleaching;
- d) The following thermal processes in the metallurgical industry:
 - i. Secondary copper production;
 - ii. Sinter plants in the iron and steel industry;
 - iii. Secondary aluminium production;
 - iv. Secondary zinc production.

Part III

Source categories

Hexachlorobenzene, hexachlorobutadiene, pentachlorobenzene, polychlorinated biphenyls, polychlorinated dibenzo-p-dioxins and dibenzofurans, polychlorinated naphthalenes, including dichlorinated naphthalenes, trichlorinated naphthalenes, tetrachlorinated naphthalenes, pentachlorinated naphthalenes, hexachlorinated naphthalenes, heptachlorinated naphthalenes, octachlorinated naphthalene may also be unintentionally formed and released from the following source categories, including:

- a) Open burning of waste, including burning of landfill sites;
- b) Thermal processes in the metallurgical industry not mentioned in Part II;
- c) Residential combustion sources;
- d) Fossil fuel-fired utility and industrial boilers;
- e) Firing installations for wood and other biomass fuels;
- f) Specific chemical production processes releasing unintentionally formed persistent organic pollutants, especially production of chlorophenols and chloranil;
- g) Crematoria;
- h) Motor vehicles, particularly those burning leaded gasoline;
- i) Destruction of animal carcasses;
- j) Textile and leather dyeing (with chloranil) and finishing (with alkaline extraction);
- k) Shredder plants for the treatment of end-of-life vehicles;
- l) Smouldering of copper cables;
- m) Waste oil refineries.

Part IV

Definitions

1. For the purposes of this Annex:
 - a) “Polychlorinated biphenyls” means aromatic compounds formed in such a manner that the hydrogen atoms on the biphenyl molecule (two benzene rings bonded together by a single carbon-carbon bond) may be replaced by up to ten chlorine atoms; and
 - b) “Polychlorinated dibenzo-p-dioxins” and “polychlorinated dibenzofurans” are tricyclic, aromatic compounds formed by two benzene rings connected by two oxygen atoms in polychlorinated dibenzo-p-dioxins and by one oxygen atom and one carbon-carbon bond in polychlorinated dibenzofurans and the hydrogen atoms of which may be replaced by up to eight chlorine atoms.
2. In this Annex, the toxicity of polychlorinated dibenzo-p-dioxins and dibenzofurans is expressed using the concept of toxic equivalency which measures the relative dioxin-like toxic activity of different congeners of polychlorinated dibenzo-p-dioxins and dibenzofurans and coplanar polychlorinated biphenyls in comparison to 2,3,7,8-tetrachlorodibenzo-p-dioxin. The toxic equivalent factor values to be used for the purposes of this Convention shall be consistent with accepted international standards, commencing with the World Health Organization 1998 mammalian toxic equivalent factor values for polychlorinated dibenzo-p-dioxins and dibenzofurans and coplanar polychlorinated biphenyls. Concentrations are expressed in toxic equivalents.

Part V

General guidance on best available techniques and best environmental practices

This Part provides general guidance to Parties on preventing or reducing releases of the chemicals listed in Part I.

A. General prevention measures relating to both best available techniques and best environmental practices

Priority should be given to the consideration of approaches to prevent the formation and release of the chemicals listed in Part I. Useful measures could include:

- a) The use of low-waste technology;
- b) The use of less hazardous substances;

- c) The promotion of the recovery and recycling of waste and of substances generated and used in a process;
- d) Replacement of feed materials which are persistent organic pollutants or where there is a direct link between the materials and releases of persistent organic pollutants from the source;
- e) Good housekeeping and preventive maintenance programmes;
- f) Improvements in waste management with the aim of the cessation of open and other uncontrolled burning of wastes, including the burning of landfill sites. When considering proposals to construct new waste disposal facilities, consideration should be given to alternatives such as activities to minimize the generation of municipal and medical waste, including resource recovery, reuse, recycling, waste separation and promoting products that generate less waste. Under this approach, public health concerns should be carefully considered;
- g) Minimization of these chemicals as contaminants in products;
- h) Avoiding elemental chlorine or chemicals generating elemental chlorine for bleaching.

B. Best available techniques

The concept of best available techniques is not aimed at the prescription of any specific technique or technology, but at taking into account the technical characteristics of the installation concerned, its geographical location and the local environmental conditions. Appropriate control techniques to reduce releases of the chemicals listed in Part I are in general the same. In determining best available techniques, special consideration should be given, generally or in specific cases, to the following factors, bearing in mind the likely costs and benefits of a measure and consideration of precaution and prevention:

- a) General considerations:
 - i. The nature, effects and mass of the releases concerned: techniques may vary depending on source size;
 - ii. The commissioning dates for new or existing installations;
 - iii. The time needed to introduce the best available technique;
 - iv. The consumption and nature of raw materials used in the process and its energy efficiency;
 - v. The need to prevent or reduce to a minimum the overall impact of the releases to the environment and the risks to it;

- vi. The need to prevent accidents and to minimize their consequences for the environment;
- vii. The need to ensure occupational health and safety at workplaces;
- viii. Comparable processes, facilities or methods of operation which have been tried with success on an industrial scale;
- ix. Technological advances and changes in scientific knowledge and understanding.

b) General release reduction measures: When considering proposals to construct new facilities or significantly modify existing facilities using processes that release chemicals listed in this Annex, priority consideration should be given to alternative processes, techniques or practices that have similar usefulness but which avoid the formation and release of such chemicals. In cases where such facilities will be constructed or significantly modified, in addition to the prevention measures outlined in section A of Part V the following reduction measures could also be considered in determining best available techniques:

- i. Use of improved methods for flue-gas cleaning such as thermal or catalytic oxidation, dust precipitation, or adsorption;
- ii. Treatment of residuals, wastewater, wastes and sewage sludge by, for example, thermal treatment or rendering them inert or chemical processes that detoxify them;
- iii. Process changes that lead to the reduction or elimination of releases, such as moving to closed systems;
- iv. Modification of process designs to improve combustion and prevent formation of the chemicals listed in this Annex, through the control of parameters such as incineration temperature or residence time.

C. Best environmental practices

The Conference of the Parties may develop guidance with regard to best environmental practices.

ANNEX D

INFORMATION REQUIREMENTS AND SCREENING CRITERIA

1. A Party submitting a proposal to list a chemical in Annexes A, B and/or C shall identify the chemical in the manner described in subparagraph (a) and provide the information on the chemical, and its transformation products where relevant, relating to the screening criteria set out in subparagraphs (b) to (e):
 - a) Chemical identity:
 - i. Names, including trade name or names, commercial name or names and synonyms, Chemical Abstracts Service (CAS) Registry number, International Union of Pure and Applied Chemistry (IUPAC) name; and
 - ii. Structure, including specification of isomers, where applicable, and the structure of the chemical class;
 - b) Persistence:
 - i. Evidence that the half-life of the chemical in water is greater than two months, or that its half-life in soil is greater than six months, or that its half-life in sediment is greater than six months; or
 - ii. Evidence that the chemical is otherwise sufficiently persistent to justify its consideration within the scope of this Convention;
 - c) Bio-accumulation:
 - i. Evidence that the bio-concentration factor or bio-accumulation factor in aquatic species for the chemical is greater than 5,000 or, in the absence of such data, that the log K_{ow} is greater than 5;
 - ii. Evidence that a chemical presents other reasons for concern, such as high bio-accumulation in other species, high toxicity or ecotoxicity; or
 - iii. Monitoring data in biota indicating that the bio-accumulation potential of the chemical is sufficient to justify its consideration within the scope of this Convention;
 - d) Potential for long-range environmental transport:
 - i. Measured levels of the chemical in locations distant from the sources of its release that are of potential concern;
 - ii. Monitoring data showing that long-range environmental transport of the chemical, with the potential for transfer to a receiving environment, may have occurred via air, water or migratory species; or

- iii. Environmental fate properties and/or model results that demonstrate that the chemical has a potential for long-range environmental transport through air, water or migratory species, with the potential for transfer to a receiving environment in locations distant from the sources of its release. For a chemical that migrates significantly through the air, its half-life in air should be greater than two days; and
- e) Adverse effects:
 - i. Evidence of adverse effects to human health or to the environment that justifies consideration of the chemical within the scope of this Convention; or
 - ii. Toxicity or ecotoxicity data that indicate the potential for damage to human health or to the environment.

2. The proposing Party shall provide a statement of the reasons for concern including, where possible, a comparison of toxicity or ecotoxicity data with detected or predicted levels of a chemical resulting or anticipated from its long-range environmental transport, and a short statement indicating the need for global control.
3. The proposing Party shall, to the extent possible and taking into account its capabilities, provide additional information to support the review of the proposal referred to in paragraph 6 of Article 8. In developing such a proposal, a Party may draw on technical expertise from any source.

ANNEX E

INFORMATION REQUIREMENTS FOR THE RISK PROFILE

The purpose of the review is to evaluate whether the chemical is likely, as a result of its long-range environmental transport, to lead to significant adverse human health and/or environmental effects, such that global action is warranted. For this purpose, a risk profile shall be developed that further elaborates on, and evaluates, the information referred to in Annex D and includes, as far as possible, the following types of information:

- a) Sources, including as appropriate:
 - i. Production data, including quantity and location;
 - ii. Uses; and
 - iii. Releases, such as discharges, losses and emissions;
- b) Hazard assessment for the endpoint or endpoints of concern, including a consideration of toxicological interactions involving multiple chemicals;
- c) Environmental fate, including data and information on the chemical and physical properties of a chemical as well as its persistence and how they are linked to its environmental transport, transfer within and between environmental compartments, degradation and transformation to other chemicals. A determination of the bio-concentration factor or bio-accumulation factor, based on measured values, shall be available, except when monitoring data are judged to meet this need;
- d) Monitoring data;
- e) Exposure in local areas and, in particular, as a result of long-range environmental transport, and including information regarding bio-availability;
- f) National and international risk evaluations, assessments or profiles and labelling information and hazard classifications, as available; and
- g) Status of the chemical under international conventions.

ANNEX F

INFORMATION ON SOCIO-ECONOMIC CONSIDERATIONS

An evaluation should be undertaken regarding possible control measures for chemicals under consideration for inclusion in this Convention, encompassing the full range of options, including management and elimination. For this purpose, relevant information should be provided relating to socio-economic considerations associated with possible control measures to enable a decision to be taken by the Conference of the Parties. Such information should reflect due regard for the differing capabilities and conditions among the Parties and should include consideration of the following indicative list of items:

- a) Efficacy and efficiency of possible control measures in meeting risk reduction goals:
 - i. Technical feasibility; and
 - ii. Costs, including environmental and health costs;
- b) Alternatives (products and processes):
 - i. Technical feasibility;
 - ii. Costs, including environmental and health costs;
 - iii. Efficacy;
 - iv. Risk;
 - v. Availability; and
 - vi. Accessibility;
- c) Positive and/or negative impacts on society of implementing possible control measures:
 - i. Health, including public, environmental and occupational health;
 - ii. Agriculture, including aquaculture and forestry;
 - iii. Biota (biodiversity);
 - iv. Economic aspects;
 - v. Movement towards sustainable development; and
 - vi. Social costs;
- d) Waste and disposal implications (in particular, obsolete stocks of pesticides and clean-up of contaminated sites):
 - i. Technical feasibility; and
 - ii. Cost;
- e) Access to information and public education;
- f) Status of control and monitoring capacity; and
- g) Any national or regional control actions taken, including information on alternatives, and other relevant risk management information.

ANNEX G⁶

ARBITRATION AND CONCILIATION PROCEDURES FOR SETTLEMENT OF DISPUTES

Part I

Arbitration procedure

The arbitration procedure for purposes of paragraph 2 (a) of Article 18 of the Convention shall be as follows:

Article 1

1. A Party may initiate recourse to arbitration in accordance with Article 18 of the Convention by written notification addressed to the other party to the dispute. The notification shall be accompanied by a statement of the claim, together with any supporting documents, and state the subject-matter of arbitration and include, in particular, the articles of the Convention the interpretation or application of which are at issue.
2. The claimant party shall notify the Secretariat that the parties are referring a dispute to arbitration pursuant to Article 18. The notification shall be accompanied by the written notification of the claimant party, the statement of claim and the supporting documents referred to in paragraph 1 above. The Secretariat shall forward the information thus received to all Parties.

Article 2

1. If a dispute is referred to arbitration in accordance with Article 1 above, an arbitral tribunal shall be established. It shall consist of three members.
2. Each of the parties to the dispute shall appoint an arbitrator and the two arbitrators so appointed shall designate by common agreement the third arbitrator, who shall be the President of the tribunal. The President of the tribunal shall not be a national of one of the parties to the dispute, nor have his or her usual place of residence in the territory of one of those parties, nor be employed by any of them, nor have dealt with the case in any other capacity.
3. In disputes between more than two parties, parties in the same interest shall appoint one arbitrator jointly by agreement.

⁶ Secretariat note: Annex G was adopted by the first meeting of the Conference of the Parties in its decision SC-1/2 of 6 May 2005

4. Any vacancy shall be filled in the manner prescribed for the initial appointment.
5. If the parties do not agree on the subject-matter of the dispute before the President of the arbitral tribunal is designated, the arbitral tribunal shall determine the subject-matter.

Article 3

1. If one of the parties to the dispute does not appoint an arbitrator within two months of the date on which the respondent party receives the notification of the arbitration, the other party may inform the Secretary-General of the United Nations, who shall make the designation within a further two-month period.
2. If the President of the arbitral tribunal has not been designated within two months of the date of the appointment of the second arbitrator, the Secretary-General of the United Nations shall, at the request of a party, designate the President within a further two-month period.

Article 4

The arbitral tribunal shall render its decisions in accordance with the provisions of the Convention and international law.

Article 5

Unless the parties to the dispute otherwise agree, the arbitral tribunal shall determine its own rules of procedure.

Article 6

The arbitral tribunal may, at the request of one of the parties, indicate essential interim measures of protection.

Article 7

The parties to the dispute shall facilitate the work of the arbitral tribunal and, in particular, using all means at their disposal, shall:

- a) Provide it with all relevant documents, information and facilities; and
- b) Enable it, when necessary, to call witnesses or experts and receive their evidence.

Article 8

The parties and the arbitrators are under an obligation to protect the confidentiality of any information they receive in confidence during the proceedings of the arbitral tribunal.

Article 9

Unless the arbitral tribunal determines otherwise because of the particular circumstances of the case, the costs of the tribunal shall be borne by the parties to the dispute in equal shares. The tribunal shall keep a record of all its costs, and shall furnish a final statement thereof to the parties.

Article 10

A party that has an interest of a legal nature in the subject matter of the dispute which may be affected by the decision in the case may intervene in the proceedings with the consent of the tribunal.

Article 11

The tribunal may hear and determine counterclaims arising directly out of the subject matter of the dispute.

Article 12

Decisions both on procedure and substance of the arbitral tribunal shall be taken by a majority vote of its members.

Article 13

1. If one of the parties to the dispute does not appear before the arbitral tribunal or fails to defend its case, the other party may request the tribunal to continue the proceedings and to make its award. Absence of a party or a failure of a party to defend its case shall not constitute a bar to the proceedings.
2. Before rendering its final decision, the arbitral tribunal must satisfy itself that the claim is well founded in fact and law.

Article 14

The tribunal shall render its final decision within five months of the date on which it is fully constituted unless it finds it necessary to extend the time limit for a period which should not exceed five more months.

Article 15

The final decision of the arbitral tribunal shall be confined to the subject matter of the dispute and shall state the reasons on which it is based. It shall contain the names of the members who have participated and the date of the final decision. Any member of the tribunal may attach a separate or dissenting opinion to the final decision.

Article 16

The award shall be binding on the parties to the dispute. The interpretation of the Convention given by the award shall also be binding upon a Party intervening under Article 10 above insofar as it relates to matters in respect of which that Party intervened. The award shall be without appeal unless the parties to the dispute have agreed in advance to an appellate procedure.

Article 17

Any controversy which may arise between those bound by the final decision in accordance with Article 16 above, as regards the interpretation or manner of implementation of that decision, may be submitted by any of them for decision to the arbitral tribunal which rendered it.

Part II

Conciliation procedure

The conciliation procedure for purposes of paragraph 6 of Article 18 of the Convention shall be as follows:

Article 1

1. A request by a party to a dispute to establish a conciliation commission in consequence of paragraph 6 of Article 18 shall be addressed in writing to the Secretariat. The Secretariat shall forthwith inform all Parties to the Convention accordingly.
2. The conciliation commission shall, unless the parties otherwise agree, be composed of three members, one appointed by each party concerned and a President chosen jointly by those members.

Article 2

In disputes between more than two parties, parties in the same interest shall appoint their members of the commission jointly by agreement.

Article 3

If any appointments by the parties are not made within two months of the date of receipt by the Secretariat of the written request referred to in Article 1, the Secretary-General of the United Nations shall, upon request by a party, make those appointments within a further two-month period.

Article 4

If the President of the conciliation commission has not been chosen within two months of the second member of the commission being appointed, the Secretary General of the United Nations shall, upon request by a party, designate the President within a further two-month period.

Article 5

1. The conciliation commission shall, unless the parties to the dispute otherwise agree, determine its own rules of procedure.
2. The parties and members of the commission are under an obligation to protect the confidentiality of any information they receive in confidence during the proceedings of the commission.

Article 6

The conciliation commission shall take its decisions by a majority vote of its members.

Article 7

The conciliation commission shall render a report with recommendations for resolution of the dispute within twelve months of being established, which the parties shall consider in good faith.

Article 8

Any disagreement as to whether the conciliation commission has competence to consider a matter referred to it shall be decided by the commission.

Article 9

The costs of the commission shall be borne by the parties to the dispute in shares agreed by them. The commission shall keep the record of all its costs and shall furnish a final statement thereof to the parties.

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