



**Economic and Social
Council**

Distr.
GENERAL

EB.AIR/1999/3
22 September 1999

ORIGINAL: ENGLISH

ECONOMIC COMMISSION FOR EUROPE

EXECUTIVE BODY FOR THE CONVENTION ON
LONG-RANGE TRANSBOUNDARY AIR POLLUTION

Seventeenth session, Gothenburg (Sweden)
(29 November - 3 December 1999)
Item 4 of the provisional agenda

DRAFT OUTLINE AND QUESTIONNAIRE FOR THE 2000 REVIEW

Note prepared by the secretariat

Introduction

1. The present note contains a draft outline (annex I) and a draft questionnaire (annex II) for the 2000 review of strategies and policies for air pollution abatement of Parties in the UN/ECE region. Both the questionnaire and the outline have been completely revised to reflect more directly the obligations of Parties under the protocols that are in force and the progress made towards implementing the Protocols on Heavy Metals (HMs) and Persistent Organic Pollutants (POPs).

2. The 2000 Review will cover the obligations under the 1985 Protocol on the Reduction of Sulphur Emissions or their Transboundary Fluxes by at least 30 per cent, the 1988 Protocol concerning the Control of Emissions of Nitrogen Oxides or their Transboundary Fluxes, the 1991 Protocol concerning the Control of Emissions of Volatile Organic Compounds or their Transboundary Fluxes and the 1994 Protocol on Further Reduction of Sulphur Emissions. It will also

Documents prepared under the auspices or at the request of the Executive Body for the Convention on Long-range Transboundary Air Pollution for GENERAL circulation should be considered provisional unless APPROVED by the Executive Body.

assess progress made in implementing the protocols on HMs and POPs, even though they are not yet in force.

3. The secretariat seeks the approval of the Executive Body for the outline, leaving some flexibility to the secretariat to adjust the outline based on the responses to the questionnaire received from Parties to the Convention.

4. The draft questionnaire is submitted to the Executive Body for approval at its seventeenth session. The questionnaire was reviewed by the Implementation Committee and incorporates its suggestions.

5. The secretariat will circulate the questionnaire as modified and approved by the Executive Body to all Parties to the Convention no later than early January 2000.

6. The outline is based on the draft questionnaire for strategies and policies, the information received under EMEP and the Working Group on Effects, and within the framework of the UN/ECE Inland Transport Committee. To eliminate as much as possible duplication of efforts, information sources for the 2000 review will not be limited to the questionnaire, however. For example, information requested by EMEP provides all the information necessary to cover the chapter on emission levels and trends, as decided by the Executive Body (see ECE/EB.AIR/46, annex I, sections 1.1.1 and 2.3). When a source of information other than the questionnaire is used, it is specified in the description of the outline.

7. The tentative schedule for the preparation of the 2000 review is:

December 1999 Approval of the outline by the Executive Body at its seventeenth session;

January 2000 Questionnaires to Governments requesting submission of information. Deadline for submission: 15 March 2000;

April-June 2000 Preparation of a draft review by the secretariat as a working document. If necessary, further request to Parties for clarifications.

July/August 2000 Consideration of the draft document by the Implementation Committee.

December 2000 Approval and derestriction for publication by the Executive Body at its eighteenth session.

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Introduction: Mandate and aim of the review

1. By the terms of the Convention on Long-range Transboundary Air Pollution, the Contracting Parties shall, inter alia:

"endeavour to limit and, as far as possible, gradually reduce and prevent air pollution including long-range transboundary air pollution" (article 2);

"develop ... policies and strategies which shall serve as a means of combatting the discharge of air pollutants" (article 3);

"exchange information on and review their policies ... aimed at combating ... the discharge of air pollutants" (article 4); and

"exchange available information on national, subregional and regional policies and strategies for the control of sulphur compounds and other major air pollutants" (article 8 (g)).

2. The resolution on long-range transboundary air pollution adopted in 1979 at the High-level Meeting within the Framework of the ECE on the Protection of the Environment states that the Signatories to the Convention will seek to bring closer together their policies and strategies for combating air pollution including long-range transboundary air pollution (ECE/HLM.1, annex II).

3. The overall aims of this review of strategies and policies are:

(a) To assess the progress made by Parties and the region as a whole in implementing obligations under the Convention and its protocols and to further their implementation; and

(b) To facilitate the exchange of information between Parties, which is foreseen in the Convention and its protocols.

4. This type of review will be one of the tools of the Implementation Committee to review compliance.

I. EMISSION LEVELS AND TRENDS IN THE EFFECTS OF TRANSBOUNDARY AIR POLLUTION

5. This chapter will be based on information provided to the secretariat in response to the EMEP questionnaire which will be sent to Parties in November 1999 and on the final reports to the Steering Body of EMEP. It will also highlight important aspects of the relevant work of the Working Group on Effects. The content would be subject to the information available through the

activities of the Working Group on Effects. It will also summarize some of the most recent findings from the International Cooperative Programmes.

II. PROGRESS REPORT BY PARTIES ON EACH PROTOCOL

6. This chapter will combine the responses received from Parties for each protocol. It will include such information as national strategies, policies and programmes for the abatement of air pollution; emission standards, pollution control measures, fuel standards, and product control measures. If possible, it will also give a picture of future ratification and summarize the main problems faced by countries that want to ratify a protocol. Except for section G, this chapter covers all the obligations under each protocol. For section B, information gathered from the ECE Inland Transport Committee will also be used.

III. EXTENT OF IMPLEMENTATION

7. This part will be provided by the secretariat on the basis of all the information submitted by Parties through either the questionnaire or the EMEP activities. It will present an analysis of the current situation and progress made towards implementing the protocols in force. It will also give an overview for the region and flag the deficiencies.

IV. GENERAL INFORMATION

8. This chapter will provide a summary of relevant legislation, the use of economic instruments (such as emission and product charges, subsidies, etc.), fuel quality standards, integration of policies, energy consumption and projections, and voluntary agreements. The secretariat will prepare an overview of activities within the framework of the Convention. The status of the Convention on Long-range Transboundary Air Pollution and its protocols will be summarized in a table.

9. Several Parties are engaged in other multilateral or bilateral programmes within the UN/ECE region for air pollution abatement. Based on responses from Parties, the secretariat will provide a summary of bilateral cooperation within the region.

10. Finally, a list of useful website addresses provided by Parties will be put together by the secretariat.

Annex II

QUESTIONNAIRE FOR THE 2000 REVIEW

1. At its seventeenth session, the Executive Body amended and adopted the new outline and questionnaire (EB.AIR/1999/3) for the 2000 review. The 2000 review has two objectives. One is to provide an overview of air pollution abatement in the ECE region. The other is to provide, together with emission data received, a basis for the Implementation Committee to review compliance of Parties, as a whole and individually, with their obligations under the protocols to the Convention on Long-range Transboundary Air Pollution.
2. The questionnaire is tailored to the particular situation of each Party, since not all obligations apply to all Parties. Consequently, notes appear throughout the questionnaire indicating whether or not a question applies to a specific Party.
3. A Party to a protocol is obliged to respond to questions relating to specific obligations under that protocol. The secretariat may have to bring any failure to do so to the attention of the Implementation Committee and eventually the Executive Body.
4. The review process is in a transition phase. Both the outline and the questionnaire were revised to reflect more directly the obligations of Parties under the protocols currently in force and to provide an overview of progress made with respect to the obligations under the protocols that are not yet in force.
5. The questionnaire will be provided on a diskette, and Parties are encouraged to return their responses onto the diskette or by e-mail. The questionnaire makes many references to specific articles and annexes to the protocols. The full text of the Convention and its protocols can be found on the UN/ECE website: **www.unece.org**
6. The questionnaire will be sent to Parties no later than early January 2000. Responses from Parties to the Convention should reach the secretariat no later than 15 March 2000.
7. This questionnaire addresses reporting on, for instance, technology requirements, limit values and policies. It does not cover emission data. Emission data are reported on a yearly basis through a separate questionnaire under the EMEP programme. However, the results of the EMEP questionnaire will be incorporated in the 2000 review report.

8. There are seven sections to this questionnaire. Sections 1 to 6 cover questions directly related to the protocols, excluding the EMEP Protocol. Each section contains questions related to the mandatory reporting requirements of one protocol. As the Protocol on Heavy Metals and the Protocol on POPs are not yet in force, the questions in sections five and six are optional. Section seven contains general questions and is also optional. The table below indicates with an "X" which sections are mandatory for each Party. However, the Parties to the Convention are invited to respond also to the optional questions.

COUNTRY CONTACT

Q.0 Provide below the name, address, phone and fax number, and e-mail address of the contact person who could help the ECE secretariat should it have specific questions concerning the answers provided by your country.

PARTY: _____

Name: _____
Address: _____ _____ _____ _____
Telephone: _____
Fax: _____
E-mail: _____

Information provided here will be put on file and used for the next review. In future and if the Executive Body at its seventeenth session agrees, the questionnaire will be sent both to the Heads of Delegation to the Executive Body and to the country contact on the secretariat's list.

The Executive Body will ask the Heads of Delegation to ensure that a single national report is submitted to the secretariat no later than 15 March 2000.

PARTY	MANDATORY SECTIONS				PARTY	MANDATORY SECTIONS			
	1	2	3	4		1	2	3	4
Armenia					Lithuania				
Austria	X	X	X	X	Luxembourg	X	X	X	X
Belarus	X	X			Malta				
Belgium	X				Netherlands	X	X	X	X
Bosnia and Herzegovina					Norway	X	X	X	X
Bulgaria	X	X	X		Poland				
Canada	X	X		X	Portugal				
Croatia				X	Republic of Moldova				
Cyprus					Romania				
Czech Republic	X	X	X	X	Russian Federation	X	X		
Denmark	X	X	X	X	Slovakia	X	X		X
Finland	X	X	X	X	Slovenia				X
France	X	X	X	X	Spain		X	X	X
Georgia					Sweden	X	X	X	X
Germany	X	X	X	X	Switzerland	X	X	X	X
Greece		X		X	The former Yugoslav Republic of Macedonia				
Hungary	X	X	X		Turkey				
Iceland					Ukraine	X	X		
Ireland		X		X	United Kingdom		X	X	X
Italy	X	X	X	X	United States		X		
Latvia					Yugoslavia				
Liechtenstein	X	X	X	X	European Community		X		X

Parties to the 1979 Convention on Long-range Transboundary Air Pollution

Armenia, Austria, Belarus, Belgium, Bosnia and Herzegovina, Bulgaria, Canada, Croatia, Cyprus, Czech Republic, Denmark, Finland, France, Georgia, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of Moldova, Romania, Russian Federation, Slovakia, Slovenia, Spain, Sweden, Switzerland, the former Yugoslav Republic of Macedonia, Turkey, Ukraine, United Kingdom, United States, Yugoslavia, European Community.

SECTION 1. THE 1985 SULPHUR PROTOCOL

Question 1 below is mandatory for the Parties to the 1985 Sulphur Protocol.

Parties: Austria, Belarus, Belgium, Bulgaria, Canada, Czech Republic, Denmark, Finland, France, Germany, Hungary, Italy, Liechtenstein, Luxembourg, Netherlands, Norway, Russian Federation, Slovakia, Sweden, Switzerland, Ukraine.

Q.1 As required by article 6 of the Protocol, provide information on your country's national strategies, policies and programmes that specifically address the reduction of sulphur emissions. You may wish to refer to your answer to question 18 in section 4 below.

SECTION 2. THE 1988 NITROGEN OXIDES PROTOCOL

Questions 2 to 8 are mandatory for the Parties to the Nitrogen Oxides Protocol, unless otherwise stated.

Parties: Austria, Belarus, Bulgaria, Canada, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Liechtenstein, Luxembourg, Netherlands, Norway, Russian Federation, Slovakia, Spain, Sweden, Switzerland, Ukraine, United Kingdom, United States, and European Community.

The articles and annexes mentioned in this section refer to articles of the 1988 Nitrogen Oxides Protocol and its annexes.

Q.2 Provide information, as required by article 8, paragraph 1, on national strategies, policies and programmes developed in accordance with article 7 that specifically address the control and reduction of emissions of nitrogen oxides or their transboundary fluxes, including progress achieved under them and any changes made to them.

Q.3 Provide information, as required by article 8, paragraph 1 (b), and article 2, paragraph 2 (a), on progress made in applying national emission standards to the new and substantially modified stationary sources. In your reply, list the source categories in your country that are considered to be major stationary source categories under the Protocol, taking into account its technical annex and article 1 (Definitions). For each source category, state the national emission standards applied or to be applied, the units and statistical treatment, and the pollution control measures applied. For standards to be applied, please indicate when they will come into effect. In your response, you may wish to use the table format suggested below.

Source category	National emission standards	Units & statistical treatment 1/	Pollution control measures applied 2/

1/ The statistical treatment can be a percentile (e.g. 95 percentile), a daily average, a monthly average, etc.

2/ Use the technical annex to the Nitrogen Oxides Protocol relating to best available technologies (BAT) as a reference.

Q.4 Provide information, as required by article 8, paragraph 1 (b), and article 2, paragraph 2 (b), on the progress made in applying national emission standards to new mobile sources. In your reply, list the new mobile source categories in your country that are considered to be major source

categories under the Protocol, taking into consideration its technical annex and article 1 (definitions). For each category, state the standards applied or to be applied, the units and statistical treatment, and the pollution control measures applied. For standards to be applied, please indicate when they will come into effect. In your response, you may wish to use the table format suggested below.

Mobile source category	National emission standards	Units & statistical treatment 1/	Pollution control measures applied 2/

1/ The statistical treatment can be a percentile (e.g. 95 percentile), a daily average, a monthly average etc.

2/ Take into account the technical annex to the Protocol.

Q.5 Provide information, as required by article 8, paragraph 1 (c), and article 2, paragraph 2 (c), on progress made in introducing pollution control measures for the existing sources in the major stationary source categories, including measures introduced or to be introduced, taking into account the technical annex to the Protocol. In your reply, list the source categories in your country that are considered to be major stationary source categories under the Protocol, taking into account its technical annex and article 1 (Definitions) and the measures applied to each source category. For planned measures, please indicate the year they will be introduced.

Q.6 Provide information, as required by article 8, paragraph 1 (d), on progress made in making unleaded petrol available. Has your country phased out the use of leaded petrol for on-road vehicles?

Yes _____ No _____

If not, when do you expect to phase out leaded petrol?

If not, please also report on the availability of unleaded petrol, in particular along the main international transit routes, and the percentage of total sales in terms of mass or volume of leaded and unleaded petrol .

Q.7 Provide information, as required by article 8, paragraph 1 (e), on measures taken to facilitate the exchange of technology related to the reduction and control of emissions of nitrogen oxides.

Q.8 Provide information, as required by article 8, paragraph 1 (f), on progress made in establishing critical loads. Have you provided critical loads data to the UN/ECE Working Group on Effects as part of its Mapping Programme?

SECTION 3. THE 1991 VOC PROTOCOL

Questions 9 to 17 are mandatory for the Parties to the 1991 VOC Protocol, unless otherwise stated.

Parties: Austria, Bulgaria, Czech Republic, Denmark, Finland, France, Germany, Hungary, Italy, Liechtenstein, Luxembourg, Netherlands, Norway, Spain, Sweden, Switzerland, United Kingdom.

The articles and annexes mentioned in this section refer to articles of the 1991 VOC Protocol and its annexes.

Note: Question 9 applies only to Parties that have chosen article 2, paragraph 2 (a), and 1988 as their basis year. **These Parties are:** Austria, Finland, France, Germany, Netherlands, Spain, Sweden, and United Kingdom. **Parties that have chosen article 2, paragraph 2 (a), but another year as their basis year are:** Czech Republic (1990), Denmark (1985), Italy (1990), Liechtenstein (1984), Luxembourg (1990) and Switzerland (1984). It is probable that non-Parties (except those listed under 9 bis and ter) will choose this option when they ratify the VOC Protocol. They may, therefore, wish to respond to question 9.

Q.9 Provide information, as required by article 8, paragraph 1, on national strategies, policies and programmes developed in accordance with article 7 that specifically address the control and reduction of VOC emissions or their transboundary fluxes, including progress achieved under them and any changes made to them. Article 2, paragraph 2 (a), requires effective measures to be taken to reduce the national annual VOC emissions by at least 30 per cent by the year 1999, using the 1988 level as a basis. Should your country have specified another year upon signature or accession, use that year as a basis.

Note: This option (question 9 bis) applies to **Norway**, which is a Party, and to **Canada**, which is a non-Party. Norway specified 1989 level as its basis and Canada chose 1988.

Q.9(bis) Provide information, as required by article 8, paragraph 1, on national strategies, policies and programmes developed in accordance with article 7 that specifically address the control and reduction of VOC emissions or their transboundary fluxes, including progress achieved under them and any changes made to them. Article 2, paragraph 2 (b), requires measures

to be taken to reduce annual VOC emissions in the TOMA (as described in annex I) by at least 30 per cent by the year 1999, using the 1988 level (or 1989 as the case may be) as a basis.

Note: This option (question 9 ter) applies to **Hungary**, which is a Party, and to **Bulgaria** and **Greece**, which are non-Parties.

Q.9(ter) Provide information, as required by article 8, paragraph 1, on national strategies, policies and programmes developed in accordance with article 7 that specifically address the control and reduction of VOC emissions or their transboundary fluxes, including progress achieved under them and any changes made to them. Article 2, paragraph 2 (c), requires effective measures to be taken to ensure that by 1999 the national annual VOC emissions do not exceed their 1988 level.

Q.10 Provide information, as required by article 8, paragraph 2 (b), and article 2, paragraph 3 (a) (i), on the application of appropriate national or international emission standards to control and reduce VOC emissions from new sources. In your reply, list the source categories in your country that are considered to be new stationary source categories under the Protocol, taking into account its annex II and article 1 (Definitions). For each source category, state the emission standards applied or to be applied, the units and statistical treatment, and the pollution control measures required for the new sources, taking into account annex II to the Protocol. For standards to be applied, please indicate when they will come into effect. In your response, you may wish to use the table format suggested below.

Source category	Emission standards	Units & statistical treatment 1/	Pollution control measures applied 2/

1/ The statistical treatment can be a percentile (e.g. 95 percentile), a daily average, a monthly average, etc.

2/ Refer to annex II to the VOC Protocol for the control techniques.

Q.11 Provide information, as required by article 8, paragraph 2 (b), and article 2, paragraph 3 (b) (i), on progress made in applying measures to control and reduce VOC emissions from the existing stationary sources. In your reply, list the source categories in your country that are considered to be major stationary source categories under the Protocol, taking into account its annex II and article 1 (Definitions). For each source category, state the techniques/technologies applied or to be applied, taking into account annex II to the Protocol. For the technologies to be applied, please state the year that they will be applied.

Q.12 Provide information, as required by article 8, paragraph 2 (b), and article 2, paragraph 3 (b) (ii), on progress made in introducing techniques to reduce VOC emissions from petrol distribution and motor vehicle refuelling operations and to reduce the volatility of petrol, taking into account annexes II and III to the Protocol.

Q.13 Provide information, as required by article 8, paragraph 2 (b), and article 2, paragraph 3 (a) (iii), on the application of appropriate national or international emission standards for new mobile sources based on best available techniques. Your reply should list the mobile source categories and state the standards applied and the control techniques or programmes used for each category, taking into account annex III to the Protocol. In your response, you may wish to use the table format suggested below.

Mobile source category	Standard applied	Units & statistical treatment 1/	Pollution control measures applied 2/

1/ The statistical treatment can be a percentile (e.g. 95 percentile), a daily average, a monthly average, etc.

2/ Refer to annex III to the Protocol relating to the control techniques.

Q.14 Provide information, as required by article 8, paragraph 2 (b), and under article 2, paragraph 3 (a) (iv), on the measures taken to foster public participation in emission control programmes such as public announcements, encouraging the best use of all modes of transport and the promotion of traffic management schemes.

Q.15 Provide information, as required by article 8, paragraph 2 (b), and article 2, paragraph 3 (a) (ii), on the application of national or international measures to products that contain solvents and the promotion of the use of products that are low in or do not contain VOCs (e.g. the labelling of products specifying their VOC content), taking into account annex II to the Protocol.

Q.16 Provide information, as required by article 8, paragraph 2 (c), on measures taken to facilitate the exchange of technology related to the reduction and control of VOC emissions.

Q.17 As required by article 2, paragraph 5, article 8, paragraph 1 and article 7, in implementing the present Protocol, and in particular any product substitution measures, Parties are required to take appropriate steps to ensure that toxic and carcinogenic VOCs, and those that harm the stratospheric ozone layer, are not substituted for other VOCs. Please describe the measures taken to that effect.

SECTION 4. THE 1994 SULPHUR PROTOCOL

Questions 18 to 27 are mandatory for the Parties to the 1994 Sulphur Protocol, unless otherwise stated.

Parties: Austria, Canada, Croatia, Czech Republic, Denmark, Finland, France, Germany, Greece, Ireland, Italy, Liechtenstein, Luxembourg, Netherlands, Norway, Slovakia, Slovenia, Spain, Sweden, Switzerland, United Kingdom, and European Community.

The articles and annexes mentioned in this section refer to articles of the 1994 Sulphur Protocol and its annexes.

Q.18 Report, as required by article 5, paragraph 1 (a), on national strategies, policies, programmes and measures, referred to in article 4, paragraph 1, that specifically address the control and reduction of sulphur emissions.

Q.19 In particular, provide information on the steps taken to implement obligations under article 2, paragraph 4, such as measures taken to reduce sulphur emissions from new and existing sources, including:

- Measures to increase energy efficiency;
- Measures to increase the use of renewable energy;
- Measures to reduce the sulphur content of particular fuels and to encourage the use of fuel with a low sulphur content, including the combined use of high-sulphur with low-sulphur or sulphur-free fuel; and
- Measures to apply best available control technologies,

using the guidance in annex IV to the Protocol. When responding to the part concerning fuels, you may wish to take question 53, section 7 into account.

Note: According to article 2, paragraph 5, questions 27 to 30 do not apply to the Parties to the United States/Canada Air Quality Agreement of 1991.

Q.20 As required by article 5, paragraph 1, and article 2, paragraph 5 (a), report on progress made in your country in applying emission limit values at least as stringent as those specified in annex V to the Protocol to the major new stationary combustion sources, stating the source

category, the technologies applied and whether similar or more stringent values than those in annex V were applied.

Q.21 As required by article 5, paragraph 1, and article 2, paragraph 5 (b), report on progress made in your country in applying emission limit values such as those specified in annex V to existing stationary combustion sources with a thermal input above 500 MW_{th}, stating the source category, the technologies applied and whether similar or more stringent values than those in annex V were applied. If other equivalent limitations or other appropriate provisions were taken to achieve the sulphur emissions ceilings specified in annex II to the Protocol, please describe those.

Q.22 As required by article 5, paragraph 1, and article 2, paragraph 5 (b), report on progress made in your country in applying emission limit values or emission limitations to the major existing stationary combustion sources whose thermal input is between 50 and 500 MW_{th}, stating the source category, the technologies applied and whether similar or more stringent values than those in annex V were applied.

Q.23 As required by article 5, paragraph 1, and article 2, paragraph 5 (c), report on progress made in applying national standards for the sulphur content of gas oil which are at least as stringent as those specified in annex V to the Protocol.

Q.24 As required by article 5, paragraph 1, and article 2, paragraph 6, report on any economic instruments that you may have applied to encourage the adoption of cost-effective approaches to the reduction of sulphur emissions.

Q.25 Provide information, as required by article 5, paragraph 1 (c), and article 3, paragraph 1, on measures taken to facilitate the exchange of technologies and techniques, including those that increase energy efficiency, the use of renewable energy and the processing of low-sulphur fuels, to reduce sulphur emissions.

Q.26 Provide information, as required by article 5, paragraph 1 (c), and article 3, paragraphs 2 and 3, on procedures established to create more favourable conditions for the exchange of technology to reduce sulphur emissions.

Q.27 Provide information, as required by article 5, paragraph 1 (c), and article 6, on activities undertaken with a view to encouraging research, development, monitoring and cooperation related to this Protocol.

SECTION 5. THE 1998 PROTOCOL ON HEAVY METALS (HMs)

The Protocol on Heavy Metals is not yet in force.

Consequently, all the questions in this section are optional.

Signatories: Armenia, Austria, Belgium, Bulgaria, Canada, Croatia, Cyprus, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Netherlands, Norway, Poland, Portugal, Republic of Moldova, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom, United States, and European Community.

The articles and annexes mentioned in this section refer to articles of the 1998 Protocol on Heavy Metals and its annexes.

Q.28 Provide information, as required by article 7, on the national strategies, policies and programmes developed in accordance with article 5, paragraph 1, to implement the Protocol and control and reduce emissions of the heavy metals listed in annex I to the Protocol. You may wish to include information on measures such as those listed in article 5, paragraph 2. If applicable, please include information on measures taken for other heavy metals, not listed in annex I.

Q.29 Provide information, as required by article 3, paragraph 1, on measures taken to reduce emissions of the heavy metals listed in annex I from their level in the reference year set in accordance with that annex. Please indicate the reference year for each metal.

Q.30 Report, as required by article 3, paragraph 2 (c), on progress made towards applying best available techniques to existing stationary sources. In your reply, list the source categories in your country that are considered to be major stationary source categories under the Protocol, taking into account its article 1 (Definitions) and annex II. For each source category state the control techniques applied using annex III to the Protocol as guidance. A Party may, as an alternative, have applied different emission reduction strategies that achieve equivalent overall emission reductions. Should this be the case, please describe the strategies and any progress made.

Q.31 Report, as required by article 3, paragraph 2 (d), on progress made towards applying the limit values specified in annex V to existing stationary sources. In your reply, list the source

categories in your country that are considered to be major stationary source categories under the Protocol, taking into account its article 1 (Definitions) and annex II. For each source category, state the limit values applied or to be applied, the units and statistical treatment, and the pollution control measures applied. For limit values to be applied, please indicate when they will come into effect. In your response, you may wish to use the table format suggested below. A Party may, as an alternative, have applied different emission reduction strategies that achieve equivalent overall emission reductions. Should this be the case, please describe the strategies and any progress made.

Source category	Limit values 1/	Units & statistical treatment 2/	Pollution control measures applied 3/

1/ Refer to the limit values specified in annex V to the Protocol.

2/ The statistical treatment can be a percentile (e.g. 95 percentile), a daily average, a monthly average, etc.

3/ Refer to annex III to the Protocol concerning the control techniques.

Q.32 Provide information, as required by article 3, paragraph 3, on the application of product control measures in accordance with the conditions specified in annex VI. You may wish to refer to your answer to question 6 in section 2 concerning unleaded petrol.

Q.33 If applicable and as suggested in article 3, paragraph 4, describe briefly additional product management measures currently being applied and future measures being considered, taking into account annex VII to the Protocol.

Q.34 Provide information, as required by article 4, paragraph 1, on measures taken to facilitate the exchange of technologies and techniques designed to reduce emissions of heavy metals, including but not limited to exchanges that encourage the development of product management measures and the application of best available techniques.

Q.35 Provide information, as required by article 4, paragraph 2, on procedures established to create more favourable conditions to promote the exchange of technologies, such as facilitating contacts and cooperation.

Q.36 Provide information on activities undertaken with a view to encouraging research, development, monitoring and cooperation related to this Protocol, taking into account article 6.

SECTION 6. THE 1998 PROTOCOL ON PERSISTENT ORGANIC POLLUTANTS (POPs)

The Protocol on Persistent Organic Pollutants is not yet in force.

Consequently, all the questions in this section are optional.

Signatories: Armenia, Austria, Belgium, Bulgaria, Canada, Croatia, Cyprus, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Liechtenstein, Lithuania, Luxembourg, Netherlands, Norway, Poland, Portugal, Republic of Moldova, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom, United States, and European Community.

The articles and annexes mentioned in this section refer to articles of the 1998 Protocol on Persistent Organic Pollutants and its annexes.

Q.37 Provide information, as required by article 9, on the national strategies, policies and programmes developed in accordance to article 7, paragraph 1, to implement the Protocol on POPs to control, reduce or eliminate discharges, emissions and losses of persistent organic pollutants. Please include information on measures such as those listed in article 7, paragraph 2. If applicable or relevant, include a description of measures taken for other POPs not yet listed in this Protocol.

Note: When answering questions 38 to 42, please take into account article 3, paragraph 4, and article 4 (Exemptions). Whenever article 4 applies, explain the exemption and specify the paragraph of article 4 to which it refers.

Q.38 Provide information, as required by article 3, paragraph 1 (a), on measures taken to eliminate the production and use of substances listed in annex I.

Q.39 Provide information, as required by article 3, paragraph 1 (b) (i), on measures taken to ensure that the destruction or disposal of substances listed in annex I is undertaken in an environmentally sound manner, taking into consideration relevant subregional, regional and global regimes governing the management of hazardous waste, in particular the Basel Convention.

Q.40 Provide information, as required by article 3, paragraph 1 (b) (ii), on measures taken to endeavour to ensure that the disposal of substances listed in annex I is carried out domestically.

Q.41 Provide information, as required by article 3, paragraph 1 (b) (iii), on measures taken to ensure that the transboundary movement of substances listed in annex I is conducted in an environmentally sound manner, taking into consideration applicable subregional, regional and global regimes governing the transboundary movement of hazardous waste, in particular the Basel Convention.

Q.42 Provide information, as required by article 3, paragraph 1 (c), on measures taken to restrict the substances listed in annex II to the uses described.

Q.43 Please report, as required by article 3, paragraph 3, on progress made to develop strategies for identifying articles still in use and wastes containing substances listed in annex I, II or III to the Protocol. Also provide information on measures taken or to be taken to ensure that such wastes and such articles, upon becoming wastes, are destroyed or disposed of in an environmentally sound manner.

Q.44 Report, as required by article 3, paragraphs 5 (b) (iii) and (iv), on progress made towards applying best available techniques (BAT), taking into consideration annex V, and limit values as stringent as those specified in annex IV to existing stationary sources. In your reply, list the source categories in your country that are considered to be major stationary source categories under the Protocol, taking into account its article 1 (Definitions) and annexes V and VIII. For each source category, state the limit values applied or to be applied, the units and statistical treatment, and the pollution control measures applied. For limit values to be applied, please indicate when they will come into effect. You may wish to use the table format suggested below to respond. A Party may, as an alternative, apply different emission reduction strategies that achieve equivalent overall emission reductions. Should this be the case, please describe the strategies and any progress made. When answering this question, you should also consider article 3, paragraph 6, of the Protocol.

Source category	Limit values 1/	Units & statistical treatment 2/	Pollution control measures applied 3/

1/ Refer to limit values specified in annex IV to the protocol.

2/ The statistical treatment can be a percentile (e.g. 95 percentile), a daily average, a monthly average, etc.

3/ Refer to annex V to the Protocol concerning the control techniques.

Q.45 Describe, as required by article 3, paragraph 5 (b) (v), the measures taken or to be taken to control emissions from mobile sources, taking into account annex VII to the Protocol.

Q.46 Provide information, as required by article 3, paragraph 8, relating to the production and sales of substances listed in annexes I and II to the Protocol. You may wish to use the table below to respond.

Substance	Production	Sales

Q.47 Provide information, as required by article 5, on measures taken to create favourable conditions to facilitate the exchange of technologies and techniques designed to reduce the generation and emission of persistent organic pollutants.

Q.48 Report, as required by article 6, on measures taken to promote the provision of information to the general public, such as information on labelling, risk assessment and hazard, risk reduction, elimination of POPs or a reduction in their use and alternatives to POPs.

Q.49 Provide information on activities undertaken with a view to encouraging research, development, monitoring and cooperation related to this Protocol, taking into account article 8.

SECTION 7. GENERAL INFORMATION

The questions in this section are of a general nature and optional.

Their purpose is to provide further information that will enable the secretariat to analyse the current situation regarding air pollution abatement in the region, and to provide information that the Executive Body would like the Parties to the Convention to share to intensify air pollution abatement.

INTEGRATING POLICIES

Q.50 An increased integration of decision-making in some key policy areas that determine the level of pollution, such as transport, energy, trade and economics, can be considered as a means of strengthening preventive measures and complementing end-of-pipe control measures. Provide a brief summary of the most important measures in these policy areas that aim, inter alia, to reduce the air pollution burden, in particular sulphur, nitrogen oxides, VOC, heavy metal and POP emissions.

Q.51 Provide the same information on energy consumption in 1985, 1990, 1995 and projections for 2000, 2005 and 2010 that you submit to the United Nations Framework Convention on Climate Change. The information should be provided in the table below.

Table - Energy consumption patterns and trends

Gross consumption of energy
(Millions of tons of oil equivalent)

Energy category	1985	1990	1995	2000	2005	2010
1. Solid fuels						
2. Liquid fuels						
3. Gaseous fuels						
4. Nuclear energy						
5. Electricity						
6. Hydro- and geothermal energy						
7. Steam and hot water						
8. Other forms of energy						
Total						

LEGISLATION AND REGULATORY FRAMEWORK

Q.52 Parties may wish to report on regulatory measures other than those mentioned in, sections 1 to 6. Provide a short description of your legislative and regulatory framework, including specific regulatory measures to:

- Control and reduce emissions of sulphur, nitrogen oxides and VOCs;
- Control and reduce emissions of the heavy metals listed in annex I to the Protocol on Heavy Metals; and
- Reduce the generation and emissions of the persistent organic pollutants covered by the Protocol on POPs.

Parties should include information on existing product regulations that have resulted in air pollution reductions. They should also report on relevant legislation under preparation. In responding to this question, please refer to the relevant responses in sections 1 to 6 above.

Q.53 Parties to the Convention are invited to provide further information on fuel standards. You may wish to refer to your answer to questions 19 and 23 in section 4 above. Please use the table provided below to report fuel standards for the different fuel types. If more than one standard is applied, provide a short explanation in the “comment” column.

Table - Fuel quality standards

Light fuel oil (%S)	Medium fuel oil (%S)	Heavy fuel oil (%S)	Comments
Solid fuel. Hard coal (%S)	Solid fuel. Lignite (%S)	Comments	
Leaded petrol (g Pb/litre)	Unleaded petrol (g Pb/litre)	Comments	

ECONOMIC INSTRUMENTS

Q.54 Parties are invited to describe briefly their application of emission charges and/or taxes in relation to the amount of a given pollutant or the characteristics of the pollutant, if it is covered by one of the protocols. Charges or taxes are often linked to energy consumption, as emissions can in many cases be directly related to energy use; if they are applied to the price of products, such as fuels, they should be reported under question 55.

Q.55 Parties are invited to report briefly on the product charges and taxes, and tax differentiation, including fuel taxes, that they apply.

Q.56 If relevant, provide a short description of your country’s experience with the use of emission taxes and charges. Also provide information, if possible, on whether such revenues have

been earmarked for environmental purposes: e.g. to compensate those that suffer damage from pollution; to subsidize emission control measures; or to compensate for a loss in competitiveness for the industry concerned.

Q.57 If applicable, please provide a short description of your country's financial assistance schemes that lead to a decrease in the emissions of major pollutants covered by the Convention and its protocols.

Q.58 While subsidies have been used to encourage the introduction of new technologies, thus benefitting the environment, they have also been adopted on a large scale in the energy and transport sectors with detrimental effects on the environment. If applicable, briefly describe your country's experience in this domain.

Q.59 If applicable, briefly describe the market incentives, such as labelling and procurement policies, used in your country to further reduce emissions from and/or the generation of substances covered by the Convention and its protocols.

Q.60 If applicable, provide information on your country's experience in tradeable permits, including the cost-saving potential.

VOLUNTARY AGREEMENTS

Q.61 If applicable, briefly describe relevant voluntary agreements used in your country to further reduce the air pollution from substances covered by the Convention and its protocols.

BILATERAL ACTIVITIES

Q.62 Besides ongoing cooperation under the Convention, several Parties participate in other multilateral or bilateral programmes within the UN/ECE region to abate air pollution, such as joint implementation and burden sharing. Please briefly describe your involvement in these programmes, including their objectives, time frames and, where possible, results.

WEBSITES

Q.63 If your country has a website with information on air pollution abatement policies and activities (including research and monitoring), please give the address.

FUTURE RATIFICATION

Q.64 If your country has not yet ratified the 1984 EMEP Protocol, does it have plans to ratify/accede to this Protocol?

If so, when?

If not, you may wish to provide any available information on possible problems or obstacles to ratification and on measures taken to overcome them.

Q.65 If your country has not yet ratified the 1988 Nitrogen Oxides Protocol, does it have plans to ratify/accede to this Protocol?

If so, when?

If not, you may wish to provide any available information on possible problems or obstacles to ratification and on measures taken to overcome them.

Q.66 If your country has not yet ratified the 1991 VOC Protocol, does it have plans to ratify/accede to this Protocol?

If so, when?

If not, you may wish to provide any available information on possible problems or obstacles to ratification and on measures taken to overcome them.

Q.67 If your country has not yet ratified the 1994 Sulphur Protocol, does it have plans to ratify/accede to this Protocol?

If so, when?

If not, you may wish to provide any available information on possible problems or obstacles to ratification and on measures taken to overcome them.

Q.68 If your country has not yet ratified the 1998 Protocol on Heavy Metals, does it have plans to ratify/accede to this Protocol?

If so, when?

If not, you may wish to provide any available information on possible problems or obstacles to ratification and on measures taken to overcome them.

Q.69 If your country has not yet ratified the 1998 Protocol on Persistent Organic Pollutants, does it have plans to ratify/accede to this Protocol?

If so, when?

If not, you may wish to provide any available information on possible problems or obstacles to ratification and on measures taken to overcome them.
