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**ECONOMIC COMMISSION FOR EUROPE**

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

Twenty-third session  
(Geneva, 12-15 December 2005)  
Item 8 of the provisional agenda

**2006 DRAFT QUESTIONNAIRE ON STRATEGIES AND POLICIES FOR AIR  
POLLUTION ABATEMENT**

Note by the secretariat

Addendum 1

**Draft questions for priority compliance review**

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.

**2006 QUESTIONNAIRE ON STRATEGIES AND POLICIES FOR AIR  
POLLUTION ABATEMENT:  
*QUESTIONS FOR PRIORITY COMPLIANCE REVIEW***

1. The 2006 questionnaire is in two parts. Part I (this document) has questions related to protocol obligations: section 1 (question 1) for the 1985 Sulphur Protocol; section 2 (questions 2-6) for the 1988 Nitrogen Oxides Protocol; section 3 (questions 7-12) for the 1991 VOC Protocol; section 4 (questions 13-18) for the 1994 Sulphur Protocol; section 5 (questions 19-30) for the 1998 Protocol on POPs; section 6 (questions 31-35) for the 1998 Protocol on Heavy Metals; and section 7 (questions 36-49) for the 1999 Gothenburg Protocol.
2. Part II of the questionnaire (EB.AIR/2005/4/Add.2) has general policy questions (questions 50-69). For further information on the objectives, structure and content of the questionnaire, please refer to document EB.AIR/2005/4.
3. You are encouraged to keep replies brief and to the point, bearing in mind that the secretariat will summarize them for the Implementation Committee and the Executive Body.
4. When filling out the questionnaire, you are encouraged to consult the 2002 Review of Strategies and Policies for Air Pollution Abatement (ECE/EB.AIR/81), at <http://www.unece.org/env/lrtap/conv/conclusi.htm>, as well as previous replies to the 2002 and 2004 questionnaires at <http://unece.unog.ch/enhs/WebApt/Questionnaire/login.aspx>.
5. The following notes are intended to guide your replies:
  - (a) When referring to European Union (EU) legislation, please give an exact reference (title and symbol) of the directive or regulation and, if applicable, relevant amendments; explain how the directive or regulation satisfies the question and indicate whether it has been transposed into national law and implemented, with a reference to the respective legislation, or whether it is binding in its entirety and directly applicable in all EU member states;
  - (b) When providing information on national emission standards or emission limit values, please indicate the numerical value, units and statistical treatment (e.g. percentile, daily average, monthly average) and, if applicable, other conditions applied (e.g. oxygen content in flue gas);
  - (c) When providing a list of source categories, please clarify whether they are actually used as source categories in your country;
  - (d) Please indicate clearly when cross-referencing a reply to those in other sections;
  - (e) When providing information in tables, please use the suggested formats, including reference to your country, to avoid errors.

6. The questionnaire will be available on the Internet from 15 January 2006, with **replies due by 31 March 2006**. The secretariat can also provide it by electronic mail or as hard copy. The questionnaire makes reference to specific articles and annexes to the protocols. The full text of the Convention and its protocols can be found at: [http://www.unece.org/env/lrtap/status/lrtap\\_s.htm](http://www.unece.org/env/lrtap/status/lrtap_s.htm)

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

**PARTY:** \_\_\_\_\_

<b>Name:</b> _____
<b>Address:</b> _____
_____
_____
_____
<b>Telephone:</b> _____
<b>Fax:</b> _____
<b>E-mail:</b> _____

The Executive Body of the Convention asked the Head of Delegation of each Party to ensure that a single national report is completed by **31 March 2006**.

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## **PART I. QUESTIONS FOR PRIORITY COMPLIANCE REVIEW**

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

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

### **SECTION 1. THE 1985 SULPHUR PROTOCOL**

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

**Q. 1** With reference to [article 6](#) of the Protocol, specify your country's national strategies, policies and programmes that specifically address the reduction of sulphur emissions. If your country is a Party to the 1994 Sulphur Protocol, a complete answer to Question 13, below, will be sufficient to answer Question 1.

## SECTION 2. THE 1988 NITROGEN OXIDES PROTOCOL

The questions in this section are based on the reporting obligation of Parties in accordance with article 8 and enable Parties to provide information on the implementation of the obligations under articles 2, 4 and 7 of the Protocol.

**Parties:** Austria, Belarus, Belgium, Bulgaria, Canada, Cyprus, Czech Republic, Denmark, Estonia, 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.

**Q. 2** With reference to [article 7](#), specify the national programmes, policies and strategies your country has developed to implement the obligations under the Protocol that serve as a means of controlling and reducing emissions of nitrogen oxides (NO<sub>x</sub>) or their transboundary fluxes, as well as progress achieved under, and any changes to, such programmes, policies and strategies.

**Q. 3** With reference to [article 2, paragraph 2 \(a\)](#), specify the national NO<sub>x</sub> emission standards applied to major new stationary sources and/or source categories and to substantially modified stationary sources in major source categories in your country, taking into consideration the [technical annex](#) to the Protocol. Use the table format suggested below.

PARTY:		
Major stationary sources for NO <sub>x</sub> <sup>1/</sup>	National emission standards <sup>2/</sup> New sources <sup>1/</sup>	Comments (optional)

1/ For major new stationary source under the Protocol, see [article 1](#) (Definitions) and its [technical annex, para.6](#).

2/ Specify the units and statistical treatment.

**Q. 4** With reference to [article 2, paragraph 2 \(b\)](#), specify your national NO<sub>x</sub> emission standards applied to new mobile sources in all major source categories and the source categories concerned, taking into consideration the [technical annex](#) to the Protocol. Use the table format suggested below.

PARTY:			
New mobile source category <sup>1/</sup>	NOx emission standards (unit: g/km or g/kWh)		Comments (optional)
	Petrol	Diesel	

1/ For new mobile source and for major source categories under the Protocol, see [article 1](#) (Definitions) and its [technical annex, para.43](#).

**Q. 5** With reference to [article 2, paragraph 2 \(c\)](#), specify the pollution control measures for NOx emissions introduced in your country for major existing stationary sources, taking into consideration the [technical annex](#) to the Protocol. Use the table format suggested below.

PARTY:		
Major existing stationary sources <sup>1/</sup> /relevant age and other characteristics for NOx	Pollution control measures applied	Comments (optional)

1/ For major existing stationary sources under the Protocol, see [article 1](#) (Definitions) and its [technical annex, para.6](#).

**Q. 6** With reference to [article 4](#), has your country made unleaded fuel sufficiently available, in particular cases as a minimum along main international transit routes, to facilitate the circulation of vehicles equipped with catalytic converters?

### SECTION 3. THE 1991 VOC PROTOCOL

The questions in this section are based on the reporting obligation of Parties in accordance with article 8 and enable Parties to provide information on the implementation of the obligations under articles 2.3(a)(i-iii), 2.3(b) and 7 of the Protocol.

**Parties:** Austria, Belgium, Bulgaria, Czech Republic, Denmark, Estonia, Finland, France, Germany, Hungary, Italy, Liechtenstein, Luxembourg, Monaco, Netherlands, Norway, Slovakia, Spain, Sweden, Switzerland and United Kingdom.

**Q. 7** With reference to [article 7](#), specify the national programmes, policies and strategies your country has developed to implement the obligations under the Protocol that serve as a means of controlling and reducing emissions of VOC or their transboundary fluxes, as well as progress achieved under, and any changes to, such programmes, policies and strategies.

**Q. 8** With reference to [article 2, paragraph 3 \(a\) \(i\)](#), specify the national or international emission standards to control and reduce VOC emissions from new stationary sources, applied in your country, taking into consideration [annex II](#) to the Protocol. Use the table format suggested below.

<b>PARTY:</b>		
New stationary source <sup>1/</sup>	Emission standards for VOCs <sup>2/</sup>	Comments (Optional)

1/ For new stationary sources see [article 1](#) (Definitions); for stationary source categories under the Protocol, see [annex II.I](#).

2/ Specify the units and statistical treatment.

**Q. 9** With reference to [article 2, paragraph 3 \(a\) \(ii\)](#), specify the national or international measures applied to products containing solvents, taking into consideration [annex II.V](#) to the Protocol. Indicate whether there is labelling of products specifying their VOC content.

**Q. 10** With reference to [article 2, paragraph 3 \(a\) \(iii\)](#), specify the national or international emission standards to new mobile sources, applied in your country, based on the best available technologies that are economically feasible, taking into consideration [annex III](#) to the Protocol. Use the table format suggested below.

New mobile source <sup>1/</sup>	Emission standards for VOCs (g/km) or (g/kWh)		Comments (Optional)
	Petrol	Diesel	

1/ For new mobile source see [article 1](#) (Definitions); for mobile source categories under the Protocol, see [annex III](#).

**Q. 11\*** With reference to [article 2, paragraph 3 \(b\) \(i\)](#), specify the best available technologies that are economically feasible and applied in your country to control and reduce VOC emissions from the existing stationary sources in major source categories, taking into consideration [annex II](#) to the Protocol. Use the table format suggested below.

<b>PARTY:</b>		
<b>Existing stationary source in major source categories<sup>1/</sup></b>	<b>BAT applied</b>	<b>Comments (Optional)</b>

<sup>1/</sup> For major stationary source categories under the Protocol, see [annex II.I](#) and [article 1](#) (Definitions).

**Q. 12\*** With reference to [article 2, paragraph 3 \(b\) \(ii\)](#), specify the techniques applied in your country to reduce VOC emissions from petrol distribution and motor vehicle refuelling operations and to reduce the volatility of petrol, taking into consideration [annex II \(IV.B\)](#) and [annex III](#) to the Protocol.

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\* These questions refer only to Parties in those areas in which national or international tropospheric ozone standards are exceeded or where transboundary fluxes originate or are expected to originate.



## SECTION 4. THE 1994 SULPHUR PROTOCOL

The questions in this section are based on the reporting obligation of Parties in accordance with article 5, paragraph 1 (a) and (c) and enable Parties to provide information on the implementation of the obligations under articles 2.5 and 4.1 of the Protocol. According to article 2, paragraph 5, questions 15-17 do not apply to Parties outside the geographical scope of EMEP.

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

**Q. 13** With reference to [article 4, paragraph 1](#) specify the national programmes, policies and strategies your country has adopted to implement obligations under article 2 of the Protocol.

**Q. 14** With reference to [article 2, paragraph 4](#) specify how your country is making use of the most effective measures for reducing sulphur emissions, appropriate in your country's particular circumstances, for new and existing sources. These could include measures to:

- (a) increase energy efficiency;
- (b) increase the use of renewable energy;
- (c) reduce the sulphur content of particular fuels and to encourage the use of fuel with low sulphur content, including the combined use of high-sulphur with low-sulphur or sulphur-free fuel;
- (d) apply best available technologies not entailing excessive costs, using the guidance in [annex IV](#).

**Q. 15** With reference to [article 2, paragraph 5 \(a\)](#) and [annex V](#), specify the emission limit values applied in your country to all major new stationary combustion sources. Use the table format suggested below.

<b>PARTY:</b>						
Major new stationary combustion source <sup>1/</sup>	Type of fuel	O <sub>2</sub> in flue gas (%)	Thermal input (MW <sub>th</sub> )	Emission limit values (mg SO <sub>2</sub> /Nm <sup>3</sup> )	Desulphurization rate (%)	Comments (Optional)

<sup>1/</sup> For major new stationary combustion sources see [article 1](#) (Definitions); for major stationary combustion source categories under the Protocol, refer to [annex V](#).

**Q. 16** With reference to [article 2, paragraph 5 \(b\) and annex V](#), specify the emission limit values applied in your country to those major existing stationary combustion sources with a thermal input above 500 MW<sub>th</sub>. If other equivalent emission limitations or other appropriate provisions were applied to achieve the sulphur emissions ceilings specified in [annex II](#) to the Protocol, please describe those. Use the table format suggested below.

<b>PARTY:</b>					
<b>Major existing stationary combustion source<sup>1/</sup> (&gt;500 MW<sub>th</sub>) / relevant age of plant</b>	<b>Type of fuel</b>	<b>O<sub>2</sub> in flue gas (%)</b>	<b>Emission limit values (mg SO<sub>2</sub>/Nm<sup>3</sup>)</b>	<b>Desulphurization rate (%)</b>	<b>Other emission limitations</b>

1/ For major existing stationary combustion sources see article 1 (Definitions); for major stationary combustion source categories under the Protocol, refer to [annex V](#).

**Q. 17** With reference to [article 2, paragraph 5 \(b\)](#), specify the emission limit values or emission limitations applied in your country to those major existing stationary combustion sources the thermal input of which is between 50 and 500 MW, using annex V as guidance. Use the table format suggested below.

<b>PARTY:</b>					
<b>Major existing stationary combustion source<sup>1/</sup> (50-500 MW<sub>th</sub>) / relevant age of plant</b>	<b>Type of fuel</b>	<b>O<sub>2</sub> in flue gas (%)</b>	<b>Emission limit values (mg SO<sub>2</sub>/Nm<sup>3</sup>)</b>	<b>Desulphurization rate (%)</b>	<b>Other emission limitations</b>

1/ For major existing stationary combustion sources see article 1 (Definitions); for major stationary combustion source categories under the Protocol, refer to [annex V](#).

**Q.18** With reference to [article 2, paragraph 5 \(c\) and annex V](#), specify the national standards for the sulphur content of gas oil applied in your country. Use the table format suggested below.

<b>PARTY:</b>			
<b>Sulphur content of gas oil (% or ppm)</b>			
<b>Diesel for on-road vehicles</b>	<b>Diesel for off-road vehicles and engines</b>	<b>Gas oil for inland navigation</b>	<b>Gas oil for heating</b>

## SECTION 5. THE 1998 PROTOCOL ON PERSISTENT ORGANIC POLLUTANTS (POPs)

The questions in this section are based on the reporting obligation of Parties in accordance with article 9, paragraphs 1 (a) and 2 and enable Parties to provide information on the implementation of the obligations under articles 3.1(a), 3.1(b)(i), 3.1(b)(iii), 3.1(c), 3.3, 3.5b(i), 3.5(b)(ii), 3.5(b)(v), 3.8 and 7.1 of the Protocol.

**Parties:** Austria, Bulgaria, Canada, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Hungary, Iceland, Latvia, Liechtenstein, Luxembourg, Netherlands, Norway, Republic of Moldova, Romania, Slovakia, Sweden, Switzerland, United Kingdom and European Community.

**Q. 19** With reference to [article 7, paragraph 1](#), specify the national strategies, policies and programmes your country has developed to discharge its obligations under the Protocol.

**Q. 20** With reference to [article 3, paragraph 1 \(a\)](#), specify the measures taken by your country to eliminate the production and use of substances listed in [annex I to the Protocol](#). Use the table format suggested below.

<b>PARTY:</b>		
<b>Substance</b>	<b>Elimination of:</b>	<b>Measures taken</b>
Aldrin	Production	
	Use	
Chlordane	Production	
	Use	
Chlordecone	Production	
	Use	
DDT	Production	
	Use	
Dieldrin	Production	
	Use	
Endrin	Production	
	Use	
Heptachlor	Production	
	Use	
Hexabromobiphenyl	Production	
	Use	
Hexachlorobenzene	Production	



**Q. 26** With reference to [article 3, paragraph 3](#), specify the measures taken in your country to ensure that wastes and articles still in use containing the substances listed in annex I, II, or III, upon becoming wastes, are destroyed or disposed of in an environmentally sound manner.

**Q. 27** With reference to [article 3, paragraph 5 \(b\)\(i\)](#) and [annex V](#), specify the best available techniques (BAT) applied to each new stationary source within a major stationary source category for which that annex identifies BATs. Use the table format suggested below.

<b>PARTY:</b>	
<b>Major new stationary sources</b>	<b>BAT applied</b>
<i>I. For PCDD/F emissions:</i> A. Waste incineration B. Thermal processes in the metallurgical industry C. Combustion of fossil fuels in utility and industrial boilers D. Residential combustion E. Firing installations for wood (<50 MW capacity)  <i>II. For PAH emissions:</i> A. Coke production B. Anode Production C. Aluminium industry D. Residential combustion E. Wood preservation installations	

1/ The major source categories listed are those for which annex V identifies best available techniques.

**Q. 28** With reference to [article 3, paragraph 5 \(b\)\(ii\)](#) and [annex IV](#), specify the limit values applied to each new stationary source within a category referred to in that annex. Use the table format suggested below.

<b>PARTY:</b>			
<b>Major new stationary sources</b>	<b>Capacity (tonnes per hour)</b>	<b>Limit values for PCDD/F (based on 11% oxygen in flue gas)</b>	<b>Other emission reduction strategies (if applicable)</b>
A. Municipal solid waste B. Medical solid waste C. Hazardous waste			

**Q. 29** With reference to [article 3, paragraph 5 \(b\) \(v\)](#) and taking into consideration [annex VII](#), specify the measures taken to control emissions from mobile sources. Use the table format suggested below.

<b>PARTY:</b>			
<b>Mobile source categories for POPs</b>	<b>Limit values<sup>1</sup></b>		<b>Other measures</b>
	<b>Mass of hydrocarbons and NO<sub>x</sub><sup>2</sup></b>	<b>Mass of particulates (g/kWh)</b>	
A. Diesel-fuelled passenger cars			
B. Heavy duty vehicles			
C. Off-road engines			

1/ For category A in g/km, for categories B and C in g/kWh.

2/ Only for category A.

**Q. 30** With reference to [article 3, paragraph 8](#), provide available information relating to the production and sales of the substances listed in annex I and annex II to the Protocol. Use the table format suggested below.

<b>PARTY:</b>		
<b>Substance</b>	<b>Production</b>	<b>Sales</b>

## SECTION 6. THE 1998 PROTOCOL ON HEAVY METALS

The questions in this section are based on the reporting obligation of Parties in accordance with article 7, paragraphs 1 (a) and 2 and enable Parties to provide information on the implementation of the obligations under articles 3.1, 3.2(a), 3.2(b), 3.3 and 5.1 of the Protocol.

**Parties:** Austria, Belgium, Bulgaria, Canada, Cyprus, Czech Republic, Denmark, Finland, France, Germany, Hungary, Latvia, Liechtenstein, Lithuania, Luxembourg, Monaco, Netherlands, Norway, Republic of Moldova, Romania, Slovakia, Slovenia, Sweden, Switzerland, United Kingdom, United States and European Community.

**Q. 31** With reference to [article 5, paragraph 1](#), specify the national strategies, policies and programmes your country has developed to discharge its obligations under the Protocol.

**Q. 32** With reference to [article 3, paragraph 1](#), specify the 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. Use the table format suggested below.

<b>PARTY:</b>			
<b>Heavy metal</b>	<b>Reference year</b>	<b>Measures taken</b>	<b>Comments</b>
Cadmium (Cd)			
Lead (Pb)			
Mercury (Hg)			

**Q. 33** With reference to [article 3, paragraph 2 \(a\)](#) and [annex III](#), describe the best available techniques applied to each new stationary source within a major source category, for which that annex identifies best available techniques.

**Q. 34** With reference to [article 3, paragraph 2 \(b\)](#) and [annex V](#), specify the limit values applied to each new stationary source within a major stationary source category. In cases where an exceeding of given limit values cannot be excluded, please specify the emissions or performance parameter monitored to indicate whether a control device is being properly operated and maintained, as required [by annex V, paragraph 4](#). If different emission reduction strategies that achieve equivalent overall emission reductions are applied, please describe these.

<b>PARTY:</b>			
<b>New stationary sources<sup>1/</sup></b>	<b>Emission limit values (for a metal or PM)</b>	<b>Emission performance parameter (if applicable)</b>	<b>Alternative emission reduction strategies (if applicable)</b>

1/ For new stationary source, see article 1 (Definitions); for major stationary source categories, see [annex II](#) and [article 1](#) (Definitions).

**Q. 35** With reference to [article 3, paragraph 3](#) and [annex VI](#), describe the product control measures being applied in accordance with the conditions and timescales specified in [annex VI](#). In particular, specify the lead content of marketed petrol intended for on-road vehicles. If leaded petrol with a lead content above 0.013 g/l is marketed for use by old on-road vehicles, indicate what percentage of total petrol sales it represents.



**SECTION 7. THE 1999 PROTOCOL ON  
ACIDIFICATION, EUTROPHICATION AND GROUND-  
LEVEL OZONE**

The questions in this section are based on the reporting obligation of Parties, subject to its laws and regulations, in accordance with article 7, paragraph 1 (a) and enable Parties to provide information on the implementation of the obligations under articles 3.2, 3.5, 3.8 and 6.1(a) of the Protocol. A Party that applies different emission reduction strategies that achieve equivalent overall emission levels for all source categories together, in accordance with article 3.2 and article 7(a)(i) may go directly to question 38. In accordance with article 3.10(b), questions 43-49 do not apply to Canada and the United States.

**Parties:** Bulgaria, Czech Republic, Denmark, Finland, Germany, Latvia, Lithuania, Luxembourg, Netherlands, Norway, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, United States and European Community.

**Q. 36** With reference to [article 3.2](#) and [annex IV](#), specify the limit values for sulphur emissions applied to new stationary sources in your country within stationary source categories identified in that annex. Use the table format suggested below.

<b>PARTY:</b>				
<b>Stationary source category<sup>1/</sup></b>	<b>Type of fuel</b>	<b>Thermal input</b>	<b>Limit value<sup>2/</sup></b>	<u>Alternative for domestic solid fuel</u>
Boilers and process heaters				

1/ For new stationary source, see [article 1](#) (Definitions); for further information on stationary source categories see [annex IV](#) (paragraphs 9-12).

2/ For boilers and process heaters, mg SO<sub>2</sub>/Nm<sup>3</sup>;

**Q. 37** With reference to [article 3.2](#) and [annex IV](#), specify the limit value for sulphur content of gas oil currently applied in your country.

<b>PARTY:</b>				
<b>Stationary source category</b>	<b>Type of fuel</b>	<b>Thermal input</b>	<b>Limit value<sup>1/</sup></b>	<u>Alternative for domestic solid fuel</u>
Claus plants	n.a.	n.a.		n.a.
TiO <sub>2</sub> production	n.a.	n.a.		n.a.

1/ For Claus plants % sulphur recovery; for titanium dioxide production SO<sub>2</sub> mass equivalent.

**Q. 38** With reference to [article 3.2](#) and [annex V](#), specify the limit values for NO<sub>x</sub> emissions applied to new stationary sources in your country within stationary source categories identified in that annex. Use the table format suggested below.

<b>PARTY:</b>		
<b>Stationary source category <sup>1/</sup></b>	<b>Capacity/thermal input, technique, fuel specification</b>	<b>Limit value (mg /Nm<sup>3</sup>)</b>
1. Boilers and process heaters		
2. Onshore combustion turbines		
3. Cement production		
4. Stationary engines		
5. Sinter plants		
6. Nitric acid production (excl. acid concentration units)		

1/ For new stationary source, see article 1 (Definitions); for further information on the stationary source categories, see [annex V](#) (paragraphs 9-14 and Tables I to VI).

**Q. 39** With reference to [article 3.2](#) and [annex VI](#), specify the limit values for VOC emissions applied in your country to new stationary sources within a stationary source category as identified in that annex. Use the table formats suggested below.

(a) VOC emissions from storage and distribution of petrol, excluding loading of seagoing ships

<b>PARTY:</b>		
<b>Capacity, technique, further specification <sup>1/</sup></b>	<b><u>Petrol throughput (in m<sup>3</sup>)</u> <u>annually</u></b>	<b>Limit value (g VOC/Nm<sup>3</sup>)</b>

1/ For new stationary source, see article 1 (Definitions); for further information on this stationary source category, see [annex VI](#) (paragraph 3 (a) and Table I).

(b) NMVOC emissions from adhesive coating

<b>PARTY:</b>			
<b>Capacity, technique, further specification <sup>1/</sup></b>	<b>Solvent consumption (Mg/year)</b>	<b>Limit value</b>	<b>Limit value for fugitive emissions of NMVOCs (% of solvent input)</b>

1/ For new stationary source, see article 1 (Definitions); for further information on this stationary source category, see [annex VI](#) (paragraphs 3 (b) and 6 and Table II).

## (c) NMVOC emissions from wood and plastic lamination

<b>PARTY:</b>		
<b>Capacity, technique, further specification <sup>1/</sup></b>	<b>Solvent consumption (Mg/year)</b>	<b>Limit value for total emissions of NMVOCs</b>

1/ For new stationary source, see article 1 (Definitions); for further information on this stationary source category, see [annex VI](#) (paragraphs 3 (c) and 6 and Table III).

## (d) NMVOC emissions from coating processes in the car industry

<b>PARTY:</b>		
<b>Capacity, technique, further specification <sup>1/</sup></b>	<b>Solvent consumption (Mg/year)</b>	<b>Limit value for total emissions of NMVOCs</b>

1/ For new stationary source, see article 1 (Definitions); for further information on this stationary source category, see [annex VI](#) (paragraphs 3 (d) and 6 and Table IV).

## (e) NMVOC emissions from coating processes in various industrial sectors

<b>PARTY:</b>			
<b>Capacity, technique, further specification <sup>1/</sup></b>	<b>Solvent consumption (Mg/year)</b>	<b>Limit value</b>	<b>Limit value for fugitive emissions of NMVOCs (% of solvent input)</b>

1/ For new stationary source, see article 1 (Definitions); for further information on this stationary source category, see [annex VI](#) (paragraphs 3 (d) and 6 and Table V).

## (f) NMVOC emissions from coil coating

<b>PARTY:</b>			
<b>Capacity, technique, further specification <sup>1/</sup></b>	<b>Solvent consumption (Mg/year)</b>	<b>Limit value (mg C/Nm<sup>3</sup>)</b>	<b>Limit value for fugitive emissions of NMVOCs (% of solvent input)</b>

1/ For new stationary source, see article 1 (Definitions); for further information on this stationary source category, see [annex VI](#) (paragraphs 3 (e) and 6 and Table VI).

## (g) NMVOC emissions from dry cleaning

<b>PARTY:</b>		
<b>Capacity, technique, further specification <sup>1/</sup></b>	<b>Solvent consumption (Mg/year)</b>	<b>Limit value</b>

1/ For new stationary source, see article 1 (Definitions); for further information on this stationary source category, see [annex VI](#) (paragraphs 3 (f) and 6 and Table VII).

## (h) NMVOC emissions from manufacturing of coatings, varnishes, inks and adhesives

<b>PARTY:</b>			
<b>Capacity, technique, further specification <sup>1/</sup></b>	<b>Solvent consumption (Mg/year)</b>	<b>Limit value (mg C/Nm<sup>3</sup>)</b>	<b>Limit value for fugitive emissions of NMVOCs (% of solvent input)</b>

1/ For new stationary source, see article 1 (Definitions); for further information on this stationary source category, see [annex VI](#) (paragraphs 3 (g) and 6 and Table VIII).

## (i) NMVOC emissions from printing processes

<b>PARTY:</b>			
<b>Capacity, technique, further specification <sup>1/</sup></b>	<b>Solvent consumption (Mg/year)</b>	<b>Limit value (mg C/Nm<sup>3</sup>)</b>	<b>Limit value for fugitive emissions of NMVOCs (% of solvent input)</b>

1/ For new stationary source, see article 1 (Definitions); for further information on this stationary source category, see [annex VI](#) (paragraphs 3 (h) and 6 and Table IX).

## (j) NMVOC emissions from manufacturing of pharmaceutical processes

<b>PARTY:</b>			
<b>Capacity, technique, further specification <sup>1/</sup></b>	<b>Solvent consumption (Mg/year)</b>	<b>Limit value (mg C/Nm<sup>3</sup>)</b>	<b>Limit value for fugitive emissions of NMVOCs (% of solvent input)</b>

1/ For new stationary source, see article 1 (Definitions); for further information on this stationary source category, see [annex VI](#) (paragraphs 3 (i) and 6 and Table X).

## (k) NMVOC emissions from conversion of natural or synthetic rubber

<b>PARTY:</b>			
<b>Capacity, technique, further specification <sup>1/</sup></b>	<b>Solvent consumption (Mg/year)</b>	<b>Limit value (mg C/Nm<sup>3</sup>)</b>	<b>Limit value for fugitive emissions of NMVOCs (% of solvent input)</b>

1/ For new stationary source, see article 1 (Definitions); for further information on this stationary source category, see [annex VI](#) (paragraphs 3 (j) and 6 and Table XI).

## (l) NMVOC emissions from surface cleaning

<b>PARTY:</b>			
<b>Capacity, technique, further specification <sup>1/</sup></b>	<b>Solvent consumption (Mg/year)</b>	<b>Limit value</b>	<b>Limit value for fugitive emissions of NMVOCs (% of solvent input)</b>

1/ For new stationary source, see article 1 (Definitions); for further information on this stationary source category, see [annex VI](#) (paragraphs 3 (k) and 6 and Table XII).

(m) NMVOC emissions from vegetable oil and animal fat extraction and vegetable oil refining processes

PARTY:		
Capacity, technique, further specification <sup>1/</sup>	Solvent consumption (Mg/year)	Total limit value (kg/Mg)

1/ For new stationary source, see [article 1](#) (Definitions); for further information on this stationary source category, see [annex VI](#) (paragraphs 3(1) and 6 and Table XIII).

(n) NMVOC emissions from vehicle refinishing

PARTY:			
Capacity, technique, further specification <sup>1/</sup>	Solvent consumption (Mg/year)	Limit value (mg C/Nm <sup>3</sup> )	Limit value for fugitive emissions of NMVOCs (% of solvent input)

1/ For new stationary source, see [article 1](#) (Definitions); for further information on this stationary source category, see [annex VI](#) (paragraphs 3 (m) and 6 and Table XIV).

(o) NMVOC emissions from impregnation of wooden surfaces

PARTY:			
Capacity, technique, further specification <sup>1/</sup>	Solvent consumption (Mg/year)	Limit value (mg C/Nm <sup>3</sup> )	Limit value for fugitive emissions of NMVOCs (% of solvent input)

1/ For new stationary source, see article 1 (Definitions); for further information on this stationary source category, see [annex VI](#) (paragraphs 3 (n) and 6 and Table XV).

**Q. 40** With reference to [article 7. \(a\)\(i\)](#), specify whether your country applied any alternative emission reduction strategies to achieve overall emission levels for all source categories together, equivalent with [article 3.2](#) and document the strategies applied and your country's compliance with the requirements of that paragraph.

**Q. 41** With reference to [article 3.5](#) and [annex VIII](#), specify the limit values applied in your country new mobile sources, identified in that annex. Use the table formats suggested below.

(a) Limit values for passenger cars and light-duty vehicles

PARTY:									
Category, class, date of application <sup>1/</sup>	Reference mass (RW) (kg)	Limit values							
		CO		HC	NO <sub>x</sub>		HC+NO <sub>x</sub>		Particulates
		L1(g/km)		L2 (g/km)	L3(g/km)		L2+L3 (g/km)		L4 (g/km)
		Petrol	Diesel	Petrol	Petrol	Diesel	Petrol	Diesel	Diesel

1/ For further information, see [annex VIII](#) (Table I).

## (b) Limit values for heavy-duty vehicles

## (i) If ESC/ELR test is used

<b>PARTY:</b>					
Row, date of application <sup>1/</sup>	CO (g/kWh)	HC (g/kWh)	NOx (g/kWh)	Particulates (g/kWh)	Smoke (m-1)

1/ For further information, see [annex VIII](#) (Table II).

## (ii) If ETC test is used

<b>PARTY:</b>					
Row, date of application <sup>1/</sup>	CO (g/kWh)	Non-methane HC (g/kWh)	Methane (g/kWh)	NOx (g/kWh)	Particulates (g/kWh)

1/ For further information, see [annex VIII](#) (Table III).

## (c) Limit values for diesel engines for non-road mobile machines (ISO 8178)

<b>PARTY:</b>					
Net power <sup>1/</sup> (p) (kW)	Date of application	CO (g/kWh)	HC (g/kWh)	NOx (g/kWh)	PM (g/kWh)

1/ For further information, see [annex VIII](#) (Tables IV and V).(d) Limit values for motorcycles and 3- and 4-wheelers (> 50 cm<sup>3</sup>; > 45 km/h)

<b>PARTY:</b>				
Engine type	Date of application	CO (g/km)	HC (g/km)	NOx (g/km)
2-stroke Motorcycles 3- and 4- wheelers				
2. 4-stroke Motorcycles 3- and 4- wheelers				

(e) Limit values for mopeds (> 50 cm<sup>3</sup>; > 45 km/h)

<b>PARTY:</b>		
Date of application	CO (g/km)	HC+NOx (g/km)

**Q.42** With reference to article 3.5 and annex VIII, specify the limit values applied in your country to fuels, identified in that annex. Use the table formats suggested below.

(a) Petrol

<b>PARTY:</b>			
<b>Parameter<sup>1/</sup></b>	<b>Unit</b>	<b>Limits</b>	
		<b>Minimum</b>	<b>Maximum</b>

1/ For further information and test methods to be used, see annex VIII (Tables VIII-XI).

(b) Diesel

<b>PARTY:</b>			
<b>Parameter<sup>1/</sup></b>	<b>Unit</b>	<b>Limits</b>	
		<b>Minimum</b>	<b>Maximum</b>

1/ For further information and test methods to be used, see annex VIII (Tables VIII-XI).

**Q. 43** With reference to article 3.8 (a) and annex IX, para.3, have you established, published and disseminated an advisory code of good agricultural practice to control ammonia emissions? If so, specify its provisions.

**Q. 44** With reference to article 3.8 (a) and annex IX, para.4, specify the steps taken in your country to limit ammonia emissions from the use of solid fertilizers based on urea.

**Q. 45** With reference to article 3.8 (a) and annex IX, para.5, specify whether the use of ammonium carbonate fertilizers is prohibited in your country.

**Q. 46** With reference to article 3.8 (a) and annex IX, para.7, specify the measures taken in your country to limit ammonia emissions from manure application.

**Q. 47** With reference to article 3.8 (a) and annex IX, para.8, specify the use in your country of low-emission storage systems for new slurry stores on large pig and poultry farms (2,000 fattening pigs, or 750 sows or 40,000 poultry) or techniques that have been shown to reduce emissions by 40% or more compared to the reference (as listed in guidance document V adopted by the Executive Body at its seventeenth session) (Decision 1999/1).

**Q. 48** With reference to article 3.8 (a) and annex IX, para.10, specify the use in your country of housing systems for new animal housing on large pig and poultry farms which have been shown to reduce emissions by 20% or more compared to the reference, as listed in guidance document V adopted by the Executive Body at its seventeenth session (Decision 1999/1).

**Q. 49** With reference to article 3.8 (a) and annex IX, paras.8 and 10, if you judge that other systems or techniques with a demonstrably equivalent efficiency can be used for manure storage and animal housing, then please report documentation on these.