

## NATIONAL QUESTIONNAIRE FOR FUELS AND VEHICLES: EECCA

**Objectives of the Assessment:** To assess the current state of vehicle fuel quality, vehicle emission standards and other related national-level information in order to develop comparative material, which will enable decision-makers and experts to discuss problems and necessities and define possible solutions at a meeting in 2007.

The questionnaire comprises of 4 main sections:

1. Personal Information
2. Air Quality
3. Fuel Quality
4. Vehicles & Emissions

### Please read the following instructions before filling in the questionnaire!

4. We propose that you use **2005 or 2006** as a reporting year, and where asked, please specify the reporting year.\* If data for 2006 is not yet publicized, and the available information is for a previous year, please insert this information and note the particular year in the heading of the table. If 2006 data and updates are available, please provide this data and note the year.
5. You may not find available all required data. Please, fill in the available data:
  - a) If there are data gaps, insert N/A in the respective table cell;
  - b) If such data is not measured, monitored or reported in your country, insert N/R in the respective table cell;
  - c) Please, use the text boxes to present any useful information, which is not covered by the tables or which needs additional description.

## 1. Personal Information

Reporting year*	<b>2006</b>
Country	<b>Republic of Moldova</b>
Date report completed	<b>20 December 2007</b>
Institution responsible for report	<b>Ministry of Ecology and Natural Resources</b>
Address of institution	<b>9, Cosmonautilor St., MD-2005, Chisinau, Republic of Moldova</b>
Position/Person responsible for report	<b>Consultant / Liudmila Marduhaeva</b>
Telephone No	<b>+ (373 22) 20 45 26</b>
E-mail address or Fax No	<b>E-mail: <a href="mailto:Liudmila@moldovapops.md">Liudmila@moldovapops.md</a></b>

## 2. Air Quality

### **2.1 Institutional framework of air quality legislation**

Institution name	Departments	Personnel*	Legal acts	Responsibility
<b>Ministry of Ecology and Natural Resources</b>				
<b>Ministry of Ecology and Natural Resources (MENR)</b>	Division on Environment Pollution Prevention  State Ecological Inspectorate	1 specialist for atmospheric air protection	<ul style="list-style-type: none"> <li>▪ Law on the Environment Protection, No.1515-XII of 16 June 1993 (Published: Monitor of Parliament of the Republic of Moldova No. 10 of 30.10 1993)</li> <li>▪ Law on the Protection of Atmospheric Air, No. 1422-XIII of 17 December 1997 (Published: Official Monitor of the Republic of Moldova No. 44-46 of 21.05.1998)</li> <li>▪ Law on Ecological Expertise and Environmental Impact Assessment, No. 851-XIII of 29 May 1996 (Published: Official Monitor of the Republic of Moldova No. 52-53 of 08.08.1996)</li> <li>▪ Law on the Payment for Pollution of the Environment, No. 1540-XIII of 25 February 1998 (Published: Official Monitor of the Republic of Moldova No. 54-55 of 18.06.1998)</li> <li>▪ Law on Hydrometeorological Activity, No. 1536-XIII of 25 February 1998 (Published: Official Monitor of the Republic of Moldova No. 60-61 of 02.07.1998)</li> </ul>	<ul style="list-style-type: none"> <li>▪ Elaboration of policy, measures, programs and principal directions of activity in atmospheric air protection field, prevention its pollution and improvement of its quality</li> <li>▪ Effectuation of state ecological expertise of legislative and normative acts, project documentation for construction of objects, distribution of experts' conclusions and other activities.</li> </ul>
<b>State Ecological Inspectorate of MENR</b> <ul style="list-style-type: none"> <li>▪ Division of Water Resources and Atmospheric Air</li> <li>▪ Division of State Ecological Expertise and Environmental Authorizations</li> </ul>		<ul style="list-style-type: none"> <li>▪ 1 specialist for atmospheric air protection</li> <li>▪ 2 specialists for atmospheric air</li> </ul>	<ul style="list-style-type: none"> <li>▪ Law on the Environment Protection, No.1515-XII of 16 June 1993</li> <li>▪ Law on the Protection of Atmospheric Air, No. 1422-XIII of 17 December 1997</li> <li>▪ Law on Ecological Expertise and Environmental Impact Assessment, No. 851-XIII of 29 May 1996 and others</li> </ul>	Control of execution of requirements of national legislative and normative acts, state registration and control in atmospheric air protection field. Effectuation of state ecological expertise of project documentation for construction of objects, EIA, LAE, distribution of environmental authorizations and other

▪ Territorial ecological agencies and regional inspections		protection		activities.
<b>State Hydrometeorological Service</b>	Center on Monitoring of Atmospheric Air Quality of the Division on Monitoring of Environment Quality		<ul style="list-style-type: none"> <li>▪ Law on the Environment Protection, No.1515-XII of 16 June 1993</li> <li>▪ Law on the Protection of Atmospheric Air, No. 1422-XIII of 17 December 1997</li> <li>▪ Law on Hydrometeorological Activity, No. 1536-XIII of 25 February 1998 and others</li> </ul>	Effectuation of monitoring, evaluation and prognosis of atmospheric air quality. Effectuation of selection, accumulation, storage, search and processing of the information related to state of atmospheric air.
<b>Ministry of Health</b>				
<b>Ministry of Health (MH)</b>	<b>National Scientific and Practical Center of Preventive Medicine of MH</b>		<ul style="list-style-type: none"> <li>▪ Law on the Protection of Atmospheric Air, No. 1422-XIII of 17 December 1997</li> <li>▪ Law on Sanitary-Epidemiological Protection of the Population, No. 1513-XII of 16 June 1993 (Re-published: Official Monitor of the Republic of Moldova No. 60-61 of 01.04.2003) and other legislative and normative acts.</li> </ul>	Realization of policy of maintenance of quality of atmospheric air ensuring safety of health and well-being of the population. Establishment of the norms LAC and others activities.

### 3. Fuel Quality

#### 3.1 Contact Office(s)/Person(s)

Responsible Office(s) and Contact Person(s)	Institution	Responsibility	Contact Information	Email

#### 3.2 Institutional framework for fuel quality management

Institution name	Institution type*	Responsibility**	Frequency of fuel testing	Number of authorized testing labs
1	2	3	4	5
National Energy	Public	<i>In conformity with Law on Licensing of Certain Tips of</i>		

Regulatory Agency	Management Authority	<i>Activities, Law on Oil Product Market, Decision of the Government No. 574 of 21.06.1999 and other legislative and normative acts, National Energy Regulatory Agency is responsible for:</i> - maintenance of complex system of regulation of the market relations in sector of petroleum; - licensing for import and (or) wholesale or retail trade in petrol, diesel fuel and liquefied gas, and also control of observance of conditions stipulated in the licenses; - protection of the rights of the consumers of natural gas and petroleum and other responsibilities.		
<i>Technical Center of Industrial Safety and Certification</i> within the Service on Standardization and Metrology	Governmental	<i>In conformity with Law on Oil Product Market, Law on Evaluation of Conformity of Products and other legislative and normative acts, Technical Center of Industrial Safety and Certification effectuates control of quality and observance of conformity to the technical requirements and normative acts</i>		1

**\*Government; Research/Academic; Private company; NGO; accredited laboratories according the ISO 17025**

**\*\* Also, according to the Law on the Oil Market, the right of distribution of the technical authorizations for exploitation of objects intended for a storage and retail trade are allocated a Service of Standardization and Metrology on the conclusion of Department of Emergency, and means of transportation of petroleum - Ministry of Transport and Road Economy on the conclusion of a Service of Standardization and Metrology.**

### **3.3 Technical Assistance Received for Capacity Building in Fuel Quality Control**

Technical Center of Industrial Safety and Certification within the Service on Standardization and Metrology: UV – spectrometer – 1 unit.; chromatograph – 2 units  
Source: European Union

### **3.4 National Fuel Quality Legislation (please list)**

- Law on Oil Product Market, No. 461-XV of 30.07.2001 (Published: Official Monitor of the Republic of Moldova No. 107 of 04.09.2001)
- Law on Evaluation of Conformity of Products, No. 186-XV of 24.04.2003 (Published: Official Monitor of the Republic of Moldova No. 141-145 of 11.07.2003)
- Law on Consumers Rights Protection, No. 105-XV of 13.03.2003 (Published: Official Monitor of the Republic of Moldova No. 126 of 27.06.2003)
- Law on General Safety of Production, No. 422-XVI of 22.12.2006 (Published: Official Monitor of the Republic of Moldova No. 036 of 16.03.2007)
- Law on Licensing of Certain Types of activities, No. 451-XV of 30.07.2001 (Published: Official Monitor of the Republic of Moldova No. 108 of 04.09.2001)

06.09.2001)

- List of Products subject obligatory certification of conformity in regulated area, approved by Decision of the Government of the Republic of Moldova No. 1469 of 30.12.2004 (Published: Official Monitor of the Republic of Moldova No. 1 of 07.01.2005)
- Decision of the Government of the Republic of Moldova on Approval of Regulation on Storage and Wholesale Trade (through the automated system) of Identified Oil products, No. 1116 of 22.08.2002 (Published: Official Monitor of the Republic of Moldova No. 122 of 29.08.2002)
- Decision of the Government of the Republic of Moldova on Approval of Regulation on Retail Trade of Oil, No. 1117 of 22.08.2002 (Published: Official Monitor of the Republic of Moldova No. 122 of 29.08.2002)
- Decision of the Government of the Republic of Moldova on Approval of Concept of Quality Infrastructure in the Republic of Moldova, No. 859 of 31.07.2006 (Published: Official Monitor of the Republic of Moldova No. 134 of 25.08.2006)
- Decision of the Government of the Republic of Moldova on Approval of Regulation on National Energy Regulatory Agency and its budget, No. 574 of 21.06.1999 (Published: Official Monitor of the Republic of Moldova No. 67 of 01.07.1999) and other legislative and normative acts.

### 3.5 Parameters for Market Fuels Used in Vehicles with Spark Ignition Engines (petrol) (\* insert reporting year - 2006)

Parameter	Unit	Analytical and statistical results						Limiting value	
		No. of samples	Taken where	Min.	Max.	Mean	Standard deviation	National specification	
Minimum	Maximum								
Research octane No		221				85.0			
Motor octane No		314				85.2			
Vapour pressure, DVPE	kPa	397				55.8			
Distillation:									
- Evaporated at 100°C	%(v/v)								
- Evaporated at 150°C	%(v/v)								
Hydrocarbon analysis:									
- Olefins	%(v/v)	N/A	N/A			N/A			
- Aromatics	%(v/v)	501				27.4			42
- Benzene	%(v/v)	501				0.92			5
Oxygen content				N/A	N/A	N/A			

Oxygenates:									
- Methanol	%(v/v)			N/A	N/A	N/A			
- Ethanol	%(v/v)								
- Iso-propil alcohol	%(v/v)								
- Tert-butyl alcohol	%(v/v)								
- Iso-butyl alcohol	%(v/v)								
- Ethers with five or more carbon atoms per molecule	%(v/v)								
- Other oxygenates	%(v/v)								
Sulphur content	mg/kg	451				0.02			500 ppm / 0.05%
Lead content	g/l	391				не обн.			0.010

\* Sulphur content is indicated in ppm and in %, according to national standard SM 226: 2002

### 3.6 Are there any other additives in the fuel? If so, what are they and what quantity?

N/A

### 3.7 Parameters for Market Fuels Used in Vehicles with Compression Ignition Engines (diesel) (\* insert reporting year - 2006)

Parameter	Unit	Analytical and statistical results					Limiting value	
		No. of samples	Minimum	Maximum	Mean	Standard deviation	National specification	
Minimum	Maximum							
Cetane No								45
Density at 15°C*	kg/m <sup>3</sup>							840*
Distillation – 95% Point	15°C	936				355		
Polycyclic aromatic hydrocarbons	%(m/m)					N/A		
Sulphur content**	mg/kg	715				0.11		2000 ppm / 0.20%

\* Density is specified at 20°C, in accordance with GOST 305-82 “Diesel fuel”

\*\* Sulphur content is indicated in ppm and in %, according to GOST 305-82 “Diesel fuel”

The draft Decision about acceptance of the Standard of Romania SR EN 590 “Fuel for automobiles. Fuel for diesel motors. Specifications and methods of researches” as the national standard now is prepared.

**Table 3.8 Number of samples in month (diesel) (\* insert reporting year - 2006)**

Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	<b>Total</b>
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37	52	86	94	50	405	83	96	86	83	118	65	<b>936</b>
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**3.9 Fuel quality standards** (Please, shortly describe your domestic standards and any planned standards and the anticipated deadlines for their adoption, etc.)

***Petrol quality standards in force at the Territory of the Republic of Moldova:***

▪ **SM 226: 2002 “Motor petrol application of Republic of Moldova. Technical requirements”.** The standard adopted by Decision of the Department "Moldova Standard " No. 1099-ST of 18.04.2002 with use from 15.08.2002.

In 2004 the change SM 226:2002/A1 of the above-mentioned standard has been approved by the Decision of Department "Moldova the Standard" No. 1506 from 10.05.2004 with introduction in force since 01.01.2005.

In result Chapter 3 of the standard was exposed in new redaction: " Motor petrol, used in the Republic of Moldova, in dependence from Octane No are subdivided into the following types:

Normali-80 – with octane No on a research method not less than 80;

Normali-90 - with octane No on a research method not less than с октановым числом по исследовательскому методу не менее 90;

Regular-92 - with octane No on a research method not less than 92;

Premium-95 - with octane No on a research method not less than 95;

Super-98 - with octane No on a research method not less than 98. ...»

This change establishes more strict requirements related to contents of some chemical substances in petrol:

Lead content - no more than 0.010 g /dm<sup>3</sup>

Volumetric share of Benzene - no more than 5 %

Volumetric share of aromatic hydrocarbons - no more than 42 % and other requirements.

▪ **SM GOST R 51105:2005 “Топлива для двигателей внутреннего сгорания. Неэтилированный бензин. Технические условия”.** Стандарт принят Постановлением Службы Стандартизации и Метрологии № 1802-ST от 30.09.2005 с применением от 01.01.2006.

***Diesel fuel quality standards in force at the Territory of the Republic of Moldova:***

GOST 305-82 “Diesel fuel”\*

*\* The draft Decision about acceptance of the Standard of Romania SR EN 590 “Fuel for automobiles. Fuel for diesel motors. Specifications and methods of researches” as the national standard now is prepared. With acceptance of this standard more strict requirements to quality of diesel fuel will be established.*

**3.10 Fuel production, import, export and consumption (\* insert reporting year - 2006)**

Fuel grade	Production (1000 m <sup>3</sup> /year)	Import (1000 m <sup>3</sup> /year)	Export (1000 m <sup>3</sup> /year)	Consumption** (1000 m <sup>3</sup> /year)
1	2	3	4	5
<b>Total leaded petrol</b>	<b>no</b>	<b>no</b>	<b>no</b>	<b>no</b>
RON:				

RON:				
RON:				
<b>Total unleaded petrol</b>	<b>no</b>	<b>261</b>	<b>no</b>	<b>265***</b>
RON:	N/A	N/A	N/A	N/A
RON:				
RON:				
<b>Total diesel</b>		<b>388</b>		<b>267</b>
<b>Total LPG</b>		<b>50</b>	<b>no</b>	<b>5</b>
<b>Other fuels (please specify)</b>		<b>1418</b>	<b>no</b>	<b>5</b>

\*If data for 2005 is not available, insert older data and indicate the year

\*\*Vehicle transport only (rail and marine transport excluded)

\*\*\* The consumption is specified in view of import and stocks by the beginning of the year. All volumes of fuel are taken from the statistical reporting and are given in conformity with the specified units of measurements by recalculation in view of density of fuel

### 3.11 Fuel production by producers (\* insert reporting year - 2006)

Refinery	Production of crude oil distillation (1000 m <sup>3</sup> /year)
<b>no</b>	<b>no</b>

### 3.12 Fuel distribution

Fuel distributors	Number of filling stations
Joint-stock company "Petrom Moldova"	<b>110</b>
SRL "Lukoil - Moldova"	<b>95</b>
Joint-stock company "Tirex Petrol"	<b>81</b>
SRL "Valiexchimp"	<b>17</b>
SRL "Basapetrol"	<b>21</b>
... Other companies	<b>Более 110</b>

### 3.13 Promotion of environment friendly fuels (incentives, programs for unleaded petrol, low-sulphur petrol and diesel, biodiesel, bioethanol, LPG, etc.)

Measure	Details
Ban on leaded petrol	<ul style="list-style-type: none"> <li>▪ Decision of the Service on Standardization and Metrology of the Republic of Moldova No. 380-ST of 12.02.1998 on prohibition of use since 1.09.1998 of the Romanian standard SR - 176; 1977 "Benzines with lead for auto vehicle" at the territory of the Republic of Moldova</li> <li>▪ Decision of the Government on Approval of Regulation on Storage and Wholesale Trade (through the automated system) of Identified Oil products, No. 1116 of 22.08.2002. Paragraph 21 of the Regulation stipulates: "The import, storage and realization of leaded fuel, absorbing and halogenated additives for fuel and oils in territory of the</li> </ul>

	<i>Republic of Moldova is forbidden”.</i>
Tax differentiation	<b>According to Law on the Payment for Pollution of the Environment</b> , payment for emissions of pollutants in air by mobile sources is estimated at a rate of 1 percent from customs cost of leaded petrol and diesel fuel, 0,5 percents from customs cost of unleaded petrol and are brought in up to or to the moment transportations through state border of imported fuel.
Use of subsidies	
Other (please add):	<ul style="list-style-type: none"> <li>▪ <b>Programme on Reduction of Atmospheric Air Pollution from Vehicles</b>, approved by the Government’s Decision No. 1047 of 4.10.2001 established measures related to: <ul style="list-style-type: none"> <li>- reduction of sulphur content in fuel and elaboration of relevant national standards to reduce atmospheric air pollution against vehicles emissions</li> <li>- transfer of vehicles to use the liquefied petroleum gases etc.</li> </ul> </li> <li>▪ <b>Law No. 160-XVI of 12.07.2007 on Renewable Energy</b> establishes requirements related to volumes of bioetanol and biodiesel in general balance of liquid fuel, and also appropriate rules about state stimulation of activity on development of renewable sources of energy.</li> <li>▪ <b>Energetic Strategy of the Republic of Moldova before 2020</b>, approved by Decision of the Government of the Republic of Moldova No. 958 of 21.08.2007 established provisions: <ul style="list-style-type: none"> <li>- introduction in national legislation requirements of the Directive 2003/30/EC on the promotion of the use of biofuels or other renewable fuels for transport</li> <li>- increase of volumes of use of cleaner fuel, including gaseous fuels and others.</li> </ul> </li> </ul>
<b>Planned Measures</b>	<ul style="list-style-type: none"> <li>▪ <b>Implementation of measures, according to the provisions of Energetic Strategy of the republic of moldova till 2020, approved by the Decision of the Government of the Republic of Moldova, No. 958 of 21.08.2007.</b></li> <li>▪ <b>Completion of development of the draft National Program on use of renewable sources of energy, in which the measures on use of biofuel, including biodiesel and bioetanol are reflected and others.</b></li> <li>▪ <b>Approximation of national environmental legislation, standards and requirements with European legislation and other measures.</b></li> </ul>

## 4. Vehicle Emissions

### 4.1 Contact Office(s)/Person(s)

Responsible Office(s) and Contact Person(s)	Institution	Responsibility	Contact Information	Email

**4.2 National Fuel Quality Legislation (please list)**

- Law on Oil Product Market, No. 461-XV of 30.07.2001 (Published: Official Monitor of the Republic of Moldova No. 107 of 04.09.2001)
  - Law on Evaluation of Conformity of Products, No. 186-XV of 24.04.2003 (Published: Official Monitor of the Republic of Moldova No. 141-145 of 11.07.2003)
  - Law on Consumers Rights Protection, No. 105-XV of 13.03.2003 (Published: Official Monitor of the Republic of Moldova No. 126 of 27.06.2003)
  - Law on General Safety of Production, No. 422-XVI of 22.12.2006 (Published: Official Monitor of the Republic of Moldova No. 036 of 16.03.2007)
  - Law on Licensing of Certain Types of Activities, No. 451-XV of 30.07.2001 (Published: Official Monitor of the Republic of Moldova No. 108 of 06.09.2001)
  - List of Products subject obligatory certification of conformity in regulated area, approved by Decision of the Government of the Republic of Moldova No. 1469 of 30.12.2004 (Published: Official Monitor of the Republic of Moldova No. 1 of 07.01.2005)
  - Decision of the Government of the Republic of Moldova on Approval of Regulation on Storage and Wholesale Trade (through the automated system) of Identified Oil products, No. 1116 of 22.08.2002 (Published: Official Monitor of the Republic of Moldova No. 122 of 29.08.2002)
  - Decision of the Government of the Republic of Moldova on Approval of Regulation on Retail Trade of Oil, No. 1117 of 22.08.2002 (Published: Official Monitor of the Republic of Moldova No. 122 of 29.08.2002)
  - Decision of the Government of the Republic of Moldova on Approval of Concept of Quality Infrastructure in the Republic of Moldova, No. 859 of 31.07.2006 (Published: Official Monitor of the Republic of Moldova No. 134 of 25.08.2006)
- Decision of the Government of the Republic of Moldova on Approval of Regulation on National Energy Regulatory Agency and its budget, No. 574 of 21.06.1999 (Published: Official Monitor of the Republic of Moldova No. 67 of 01.07.1999) and other legislative and normative acts.

**4.3 Vehicle fleet structure**

Year: (* please insert reporting year)	Total number of vehicles	Passenger Cars		LDV and HDV		Buses**	
		Petrol	Diesel	Petrol	Diesel	Petrol	Diesel
Number (000s)	402 158 (passenger cars and lorries, microbuses and coaches).	268 257, including 16 260 units using petrol / gas	27 795	32 126 (including coaches), including 5 308 units using petrol / gas	60 564 (including coaches)	3276, including 351 units using petrol / gas	10 140

% of the total vehicle fleet	81,7	54,5	5,6	6,5	12,3	0,7	2,1
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\* Information is submitted on a situation on 01.09.2007.

\*\* Data is indicated only for minibuses on a situation on 01.09.2007. Requested data will be submitted additionally till end of January 2008.

**Table 4.4 Share with catalytic converters**

Year: (* please insert reporting year)	Vehicles with Catalytic Converters	
	Passenger cars	All vehicles
Number (000s)	N/A	N/A
%	N/A	N/A

**Table 4.5 Newly-registered passenger cars\*\***

Year	Total number 000s	Passenger cars			
		New		Second hand	
		000s	%	000s	%
1995	N/A	N/A	N/A	N/A	N/A
2005	N/A	N/A	N/A	N/A	N/A

\*If data for 2003 is not available, insert older data and indicate the year

\*\* Requested data will be submitted additionally till end of January 2008.

**Table 4.6 Vehicle aging**

Only cars registered in year 2005, in total, not in categories

Year: 2005*	0-5 years	6-10 years	11-15 years	16-20 years	>20 years
Total: <b>423 432 **</b>	21 702	40 099	109 901	128 387	123 343
Passenger cars (%)					
LDV (%)					
HDV (%)					
Buses (%)					
Total (%)					

\*If data for 2005 is not available, insert older data and indicate the year

\*\* Data is indicated on a situation on 01.05.2007, according to information submitted by the State enterprise "REGISTRU" of the Ministry of Informational Development. Requested data will be submitted additionally till end of January 2008.

**Table 4.7 Domestic vehicle production (if any) \*\***

Type	2003	2004	2005
Passenger cars (%)	no	no	no
LDV (%)	no	no	no
HDV (%)	no	no	no
Buses (%)	no	no	no
Total (%)	no	no	no

\* 2002 is included in order to see the trend. If data is available, any previous year can be included too.

\*\* *There is no any domestic vehicle production absents.*

**Table 4.8 Quantity of imported vehicles\*\***

Type	2003	2004	2005
Passenger cars (%)	N/A	N/A	N/A
LDV (%)	N/A	N/A	N/A
HDV (%)	N/A	N/A	N/A
Buses (%)	N/A	N/A	N/A
Total (%)	N/A	N/A	N/A

\* 2003 is included in order to see the trend. If data is available, any previous year can be included too.

\*\* *If there is data by country of import, please include it: As indicated in table 4.7, there is no national vehicle production in our country. All existing vehicles in the country are imported automobiles, from which 45 % - vehicles imported from former USSR or the CIS countries, and 55 % - vehicles imported from other countries. Requested data will be submitted additionally till end of January 2008.*

#### 4.9 Restrictions placed on imported vehicles (age limits, requirements for catalytic converters, installation of emission technology for the HDV, etc.)

Customs Code No. 1149-XIV of 20.07.2000 established restrictions of vehicles age imported in the Republic of Moldova:

- passenger cars – 7 years
- lorries and dray vehicles – 10 years
- tractors – 12 years

#### 4.10 Information on retrofitting imported fleets (e.g. bus fleets) with emissions control technologies or cleaner engines

N/A

#### 4.11 Institutional framework for vehicle emission testing

Institution name	Institution type	Personnel	Responsibility	Number of vehicles tested (vehicles/year)	Number of testing sites*
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1	2	3	4	5	6
Stations of technical testing	private	experts	Personally, in conformity with legislation		19
State Ecological Inspectorate bodies	state	inspectors	In conformity with legislation		

\* According to situation on end 2007.

#### 4.12 Legal and institutional framework of vehicle inspection and maintenance

- **Law No. 1194-XIII of 21.05.1997 on transport:** In conformity with the Law, Ministry of Transport and Road Economy effectuates state management of transport system. The transport enterprises are obligated to ensure the conformity of vehicles and roads state to the requirements of safety, norms of labour protection, environmental legislation and state standards and to certificate them on norms of the international standards.
- **Law No. 116-XIV of 29.07.1998 on Approval of Code on Automobile Transport:**
  - The state management of automobile transport is carried out by the central branch authority, local public authorities and other authorized bodies.
  - The activity in the field of motor transport is subject to licensing or authorizing according to the acting legislation.
  - The transport agent is obliged to submit to sender of cargoes for loading the relevant serviceable vehicle, suitable for transportation of the given kind of a cargo and adequate sanitary and environmental norms.
  - The transport agents are obliged: to observe the legislation on labour protection, environmental legislation, standards and norms, to take measures for reduction of negative impact of vehicles caused to human health and the environment; together with State Road Police and State Ecological Inspectorate annually to carry out environmental certification of vehicles.
- **Law No. 131-XVI of 7.06.2007 on Safety of Road Circulation:**
  - Article 5 establishes the competence of the Government in the field of safety of traffic, including the responsibility for the approval of the state programs on protection of the environment, standards of a technical condition of vehicles and the equipment
  - Article 6 establishes the competence of the *National Council on safety of road circulation*, established by the Government and serving as consultative body in field of realization of policy of the state in the field of safety of traffic.
  - In accordance with Article 7, *Ministry of Intern Affairs* is obliged to effectuate the state technical control of vehicles concerning its conformity to requirements of safety of road traffic, and, also, effectuation of control related to quality of work in field of exploitation, technical maintenance, reparation and technical testing of vehicles, which are carried out by subjects of business activity in this area and others.
  - In accordance with Article 8, *Ministry of Transport and Road Economy* is obliged to effectuate:
    - ✓ distribution of permits for effectuation of activity on registration, technical testing and rendering of services on reparation and maintenance service of vehicles to subjects of business activity
    - ✓ education, improvement and attestation of experts for stations of registration and technical testing
  - elaboration of technical conditions and methodology of registration, testing and certification of vehicles, admitted to participation in road traffic
    - ✓ accumulation, systematization and analysis of information on activities related to registration and technical testing of vehicles in goals improvement of net and stations, which effectuate the service and others.
  - In accordance with Article 11, *Ministry of Ecology and Natural Resources* is obliged to effectuate the following activities:
    - ✓ elaboration of programs on environment protection by participants of road traffic in conformity with international requirements and national

standards

- ✓ elaboration of rules of state instrumental environmental control and testing of level of pollution of the environment by vehicle emissions from vehicles, participating in road traffic, and level of noise resulted from vehicles
- ✓ insurance of testing of vehicle emissions by authorized and last metrological checking measurement apparatus and other obligations.
- According to Article 12, **Ministry of Defense** is obliged to effectuate the organization and effectuation of technical control of vehicles of own park.
- According to Article 13, **Ministry of Agriculture and Food Industry** is obliged to effectuate the organization and effectuation of technical control of self-propelled vehicles (tractors, agricultural machines) from own park.
- In accordance with Article 14, **Ministry of Informational Development** is obliged to effectuate establishment, use, actualization and conducting the State Register of transport and State Register of the drivers.

This Law established also competencies of the Ministry of Education and Youth, Ministry of Health, State Inspection on Supervision of Insurance and Non-state Pension Funds at the Ministry of Finance, local public authorities, public associations, and, also, rights and obligations of drivers of vehicles in field of safety of road traffic.

The proprietors and drivers of vehicles are obliged in time to represent the vehicle for the state technical control.

**Article 27 establishes requirements related to admission of vehicles to road movement and control of their technical condition:**

- Only vehicles, technical state and equipment of which correspond to the standards, other normative acts on safety of traffic, environment protection and technical norms of operation, are admitted to road traffic.
- The registered vehicles periodically are exposed to the state technical control for continuation of participation in road traffic.
- State technical control effectuates at stations, having the relevant authorization, according to conditions established in national legislation. Technical control of vehicles, belonging to the Ministry of Defense, Ministry of Internal Affairs, Frontier Service, Service of Information and Safety, can be effectuated also at own stations having the appropriate authorization.
- The traffic of vehicles on roads of general usage, technical condition of which are not appropriate to established conditions of the admission to road traffic, and also vehicles with the expired term of the previous technical control is forbidden.
- The revealing of technical disrepairs of vehicles, participating in traffic, is carried out by road police.
- Checking technical state of vehicles effectuates with use of the legalized means of the measurement, which had metrological checking in established order.

Article 29 establishes requirements related to official survey and certification, among which are:

- The vehicle should be officially examined and certificated by Ministry of Transport and Road Economy, according to Law, in goals to be registered and permitted to participate in road traffic.
- Official examination and certification of vehicle with purpose to permit participation of it for road traffic has goal to examine, if this vehicle corresponds to provisions of technical norms, requirements of traffic safety and environment protection, and also if it uses for destination.
- Official examination and certification are exposed also equipment, aggregates of vehicle, which cause influence to road traffic and state of the environment etc

▪ **Decision of the Government of the Republic of Moldova No. 1047 of 8.11.1999** on transformation of the automated informational - retrieval system "«Automobile" in the State Register of transport and introduction of testing of automobiles and trailers to them.

In conformity with provisions of the Decision:

- Ministry of Transport and Road Economy is allocated functions of distribution of the authorizations, management, monitoring and control of stations on technical testing, united centralized system of technical testing of vehicles and trailers to them.

- Since January 1, 2008 to obligatory technical testing are subject all vehicles and trailers to them, registered in the country.

By this Decision have been approved:

- *Regulation on State Register of Transport*
- *Rules on Registration of Vehicles*
- *Rules on Technical Testing of Vehicles and Trailers to Them*
- *Tariffs for obligatory technical testing of vehicles and trailers to them at stations of technical testing.*

**Rules on Technical Testing of Vehicles and Trailers to Them** established the procedure for examination of technical state of vehicles and trailers to them, which were registered in the Republic of Moldova. The accredited stations of testing effectuate the technical testing of vehicles in goals of examination of conformity of vehicles to norms and national standards of safety of road traffic and the environment protection, actualization of informational base of the State Register of transport etc.

Processing of the information about a technical condition of vehicles, centralized registration of activity done by specialized stations of testing, drawing up of the statistical reporting and appropriate documents are carried out on the basis of the program - technical complex of the Ministry of Informational Development.

▪ **Decision of the Government of the Republic of Moldova No. 415 of 08.04.2003** on Approval of Regulation on Technical Control, Effectuating by the Road Police.

Road Police effectuates their activity related to technical control in interaction with other services of internal affairs bodies, ministries and departments, other institutions, which activity has relation to a safety of road traffic and the environment protection.

Bodies of road police of commissariats of police in interaction with bodies of environment protection: organize and effectuate periodic state technical examinations of vehicles; effectuate control of conformity of technical state of vehicles and its equipment to requirements of Rules on Road Traffic, existing standards and other normative acts related to providing road traffic safety and protection of the environment etc.

▪ **Decision of the Government of the Republic of Moldova No. 77 of 30.01.2004** on Approval of Regulation on State Ecological Inspectorate and their Structure.

In conformity with this Regulation, the State Ecological Inspectorate is obliged to effectuate the monitoring of factors of the environment and organize the state environmental control and also effectuate:

- state instrumental environmental control of vehicles, which are did not registered in country
- monitoring of pollutant emissions into atmosphere of harmful substances emitted by vehicles and other sources
- testing and instrumental environmental control of mobile sources of pollution ant others activities.

The State Ecological Inspectorate has right to effectuate control and inventory (environmental testing) of mobile and stationary sources of pollution of the environment at enterprises and organizations, at stations of reparations and technical testing of vehicles in process of effectuation of technical examination, at parking, in process of transportation etc.

*\* System of inspection and technical maintenance of vehicles is regulated also by other normative acts.*

#### **4.13 Technical Assistance Received for Capacity Building in Vehicle Inspection and Maintenance\***

N/A

Source: ..... (institution).....(department)

\* Requested data will be submitted additionally till end of January 2008.

**4.14 National Vehicle exhaust emission requirements (ONLY light duty vehicles/passenger cars)**

g/km	Petrol	Diesel
<b>CO</b>	In conformity with GOST 17.2.2.03-87 In conformity with GOST 17.2.2.03-87	
<b>HC</b>		
<b>NO<sub>x</sub></b>		
<b>HC+NO<sub>x</sub></b>		
<b>PM</b>		
<b>Opacity</b>		In conformity with GOST 21393-75

**4.15 Recent Developments/Planned Vehicle exhaust emission requirements, inspection and maintenance**

**Planned measures:** Now the draft new normative acts on restrictions of emissions, effectuation of instrumental environmental control and testing of vehicles are elaborated:

**Ministry of Ecology and Natural Resources:**

- Draft Decision of the Government on Approval of Regulations on special environmental norms and requirements related to Vehicles Emissions of Pollutants resulted during exploitation at roads of the Republic of Moldova. This document establishes norms and requirements on phase-out introduction of EURO standards in conformity with European Directives.
- Draft Decision of the Government on Approval of Regulation on the order of effectuation of the state instrumental environmental control and testing of vehicles participating in road circulation.

**Ministry of Transport and Road Economy:**

- Draft Decision of the Government on Approval of Technical Regulation on technical examination of vehicles and trailers to them.

These draft normative acts have been examined and accepted by the central public authorities and other institutions and in nearest further will be presented to Government for examination and approval.

Also, the Ministry of Ecology and Natural Resources has finished elaboration of draft Decision of the Government on introduction of modifications and additions in the Decision of Government № 1047 from 4.10.2001 on Approval of the Program on Reduction of Atmospheric Air Pollution from Vehicles.

Source: ..... (institution).....(department)

**4.16 Incentives for alternative fuels and vehicles (e.g. Flexi-fuel/CNG/LPG powered vehicles)**

Incentive	Description
N/A	N/A

**4.17 Promotion of environment friendly vehicles** (such as import of only new vehicles, catalytic converters, fuel cells, etc.)

Measures	Details
1. Ban on the sale of new vehicle not equipped with catalytic converters	
2. Tax differentiation	
3. Use of subsidies	
4. Inspection and maintenance program	Inspection and maintenance program effectuates in conformity with provisions of Rules on technical testing of vehicles and trailers and other legislative and normative acts.
5. Retrofit program	
6. Accelerated retirement program	
7. Scrappage programs	
8. Vehicle age caps	Restrictions of vehicles age imported in Republic of Moldova (See table 4.9)
9. Other (please add):	<ul style="list-style-type: none"> <li>▪ The Program of technical testing of automobiles and trailers, their re-equipment and certification takes root: on a situation on the end of 2007 - have received the authorization and carry out activity 19 stations on technical testing of automobiles and trailers to them.</li> <li>▪ According to the requirements of the Law № 420-XVI from 22.12.2006 on Technical Regulation and National Programme on Development of Technical Regulations, approved by the Government Decision No. 873 of 30.07.2004, the development of the technical regulations with the purposes of a safety of road traffic and reduction of impact to the environment is under realization.</li> </ul>