

July 2017, part 1

**X. SUPPORTING DOCUMENTATION
TO THE “ECO-TIRAS” COMMUNICATION THE AARHUS CONVENTION
COMPLIANCE COMMITTEE**

Government Resolution No. 330 of 3 April 2006 approving the List of Services Provided Free and at Charges by the State Hydrometeorological Service and the Procedure for Use of the Special Funds of the State Hydrometeorological Service

In the aim of creating a regulatory base for the provision of chargeable services by the State Hydrometeorological Service, which is attached to the Ministry of Ecology and Natural Resources, under the provisions of Article 12(3) of Law No. 847-XIII of 24 May 1996 on the Budgetary Framework and the Budget Process, of Law No. 1536-XIII of 25 February 1998 on Hydrometeorology and of Government Resolution No. 935 of 11 October 1999 approving Regulations on the Use of Hydrometeorological Information in the Economic Activities of Regulated Entities,

the Government hereby RESOLVES:

To approve:

the List of Services Provided Free by the State Hydrometeorological Service, as in Annex 1;
the List of Services Provided at Charges by the State Hydrometeorological Service, as in Annex 2;

Regulations on the Procedure for Use of the Special Funds of the State Hydrometeorological Service, as in Annex 3.

Prime Minister Vasile TARLEV

Countersigned by:

Minister of Ecology Constantin Mihailescu
and Natural Resources

Minister of the Valeriu Lazăr
Economy and Trade

Minister of Finance Mihail Pop

Chisinau, 3 April 2006
No. 330.

**Annex 1
to Government Resolution
No. 330 of 3 April 2006**

LIST

**of Services Provided Free by the State
Hydrometeorological Service**

The State Hydrometeorological Service shall provide the following services free of charge:

1) access to hydrometeorological forecasts of a general nature (meteorological, agrometeorological, climate, hydrological and air pollution forecasts) and emergency warnings of hazardous hydrometeorological events or of high and/or very high levels of environmental pollution, which are to be communicated by specialized state services in

order to alert the public in Moldova. This information shall also be posted on the website of the State Hydrometeorological Service;

2) access to published meteorological and hydrological regime data which are held in the National Fund of Hydrometeorological Data ('the SHS Hydrometeorological Database');

3) access to published data on quality parameters for environmental media (air, water, soil, the radiation environment), which are held in the SHS Hydrometeorological Database;

4) access to the results of fieldwork and scientific research in the form of articles, scientific reports, descriptions, data sheets, guidance manuals and other summarized materials – both Moldovan and foreign publications – that are held in the SHS Hydrometeorological Database and in the specialist library of the State Hydrometeorological Service;

5) access to information posted on the website of the State Hydrometeorological Service:

- (a) current information on the weather and the quality of environmental media (air, water, soil, the radiation environment);
- (b) current daily weather forecast and main developing weather trends for the following 24 hours;
- (c) a hydrological forecast;
- (d) background air pollution: daily bulletin;
- (e) quality of environmental media: monthly bulletin;
- (f) weather analysis for the previous week;
- (g) weather analysis for the last 10 days;
- (h) weather analysis for the previous month;
- (i) weather analysis for the previous season;
- (j) weather analysis for the previous year;
- (k) selected meteorological and agrometeorological features of current weather conditions;
- (l) climate analysis for the current month according to previous climate data;
- (m) climate analysis for the current season according to previous climate data;
- (n) climate analysis for the Municipality of Chisinau for each day of the year according to multi-year climate data;

6) advice on use of hydrometeorological information;

7) advice on use of information on the quality of environmental media.

**Annex 2
to Government Resolution
No. 330 of 3 April 2006**

**LIST
OF SERVICES PROVIDED AT CHARGES BY
THE STATE HYDROMETEOROLOGICAL
SERVICE**

No.	Service	Tariff (in lei)
1	2	3
	I. PRIMARY HYDROMETEOROLOGICAL INFORMATION	
1.	Meteorological information (per target period)	
1.1.	Atmospheric pressure	2.30
1.2.	Air temperature	2.40
1.3.	Atmospheric humidity	1.90
1.4.	Wind	2.20

No.	Service	Tariff (in lei)
1.5.	Duration of sunshine	1.80
1.6.	Underlying surface temperature	1.60
1.7.	Soil temperature at depth	3.30
1.8.	Precipitation	2.20
1.9.	Horizontal visibility	2.50
<u>1.10.</u>	<u>Snow cover</u>	
1.10.1.	Depth of snow at elevation	3.30
1.10.2.	Depth of snow en route	40.00
1.11.	Cloud cover	0.90
1.12.	Atmospheric phenomena	0.90
1.13.	Glaze-ice and rime deposition	4.50
2.	Actinometric information (per target period)	
<u>2.1</u>	<u>Direct solar radiation</u>	
2.1.1.	On a perpendicular surface	3.70
2.1.2.	On a horizontal surface	1.20
2.1.3.	On a perpendicular surface using autographic recorders	7.50
<u>2.2.</u>	<u>Diffuse radiation</u>	
2.2.1.	Per target period	4.50
2.2.2.	Using an autographic recorder	7.00
2.3.	Summary solar radiation	6.50
2.4.	Net radiation	3.60
<u>2.5.</u>	<u>Reflected radiation</u>	
2.5.1.	Per target period	4.80
2.5.2.	Using an autographic recorder	7.00
2.6.	Albedo	2.30
3.	Aerological information (cost of information provided per target period, calculated on the basis of four upper-air soundings per day)	
3.1.	Isobaric surface data	76.10
3.2.	Data at standard altitudes	154.30
3.3.	Singular point data	95.10
4.	Agrometeorological information (per target period)	
4.1.	Soil temperature at depth of tillering node for autumn crops and multiannual plants	105.50
4.2.	Soil moisture	426.00
4.3.	Depth of ground freeze and ground thaw	92.90
4.4.	Phenological observations	32.10
4.5.	Elements of crop production	158.50
4.6.	Crop yield analysis	568.80
<u>4.7.</u>	<u>Condition of crops</u>	
4.7.1.	Autumn and/or spring survey of autumn crops and multiannual plants	225.20
4.7.2.	Condition of autumn crops and multiannual plants in winter	1,177.40
4.7.3.	Condition of fruit trees and vineyards in winter	300.50
5.	Hydrological information	
<u>5.1.</u>	<u>Water level (for a 24-hour period)</u>	
5.1.1.	Gauged water level and water stage-discharge relationship	28.30
5.1.2.	Stream gauging	306.00

No.	Service	Tariff (in lei)
<u>5.2.</u>	<u>Water temperature (for a 24-hour period)</u>	
5.2.1.	Water temperature (spot measurement)	29.60
<u>5.3.</u>	<u>Ice phenomena (for a 24-hour period)</u>	
5.3.1.	Types of ice formation	54.00
<u>5.4.</u>	<u>Turbidity (for a 24-hour period)</u>	
5.4.1.	Suspended sediment discharge	96.90
6.	Information on air and precipitation quality	
<u>6.1.</u>	<u>Collection of air samples (per single random sample)</u>	
6.1.1.	Suspended particulate matter and soluble sulphates	35.00
6.1.2.	Sulphur dioxide (SO ₂), Nitrogen dioxide (NO ₂), Nitric oxide (NO)	30.00
6.1.3.	Carbon monoxide (CO)	18.00
6.1.4.	Phenol (C ₆ H ₅ OH), Formaldehyde (CH ₂ O)	30.00
<u>6.2.</u>	<u>Analysis of air samples (per single random sample)</u>	
6.2.1.	Suspended particulate matter	21.70
6.2.2.	Carbon monoxide (CO)	37.90
6.2.3.	Sulphur dioxide (SO ₂)	29.00
6.2.4.	Nitrogen dioxide (NO ₂)	29.00
6.2.5.	Soluble sulphates	41.90
6.2.6.	Nitric oxide (NO)	15.30
6.2.7.	Phenol (C ₆ H ₅ OH)	27.30
6.2.8.	Formaldehyde (CH ₂ O)	41.90
<u>6.3.</u>	<u>Analysis of precipitation samples (per single random sample)</u>	
6.3.1.	Collection and preservation of precipitation samples (ion composition)	10.00
6.3.2.	Hydrogencarbonate - ion HCO ₃ ⁻	32.20
6.3.3.	Sulphate - ion SO ₄ ²⁻	25.10
6.3.4.	Chloride - ion Cl ⁻	44.10
6.3.5.	Calcium ions Ca ²⁺	20.20
6.3.6.	Magnesium ions Mg ²⁺	2.40
6.3.7.	Ammonium ion NH ₄ ⁺	35.40
6.3.8.	Hydrogen ion concentration (pH)	17.00
6.3.9.	Collection and preservation of samples to test for persistent organic pollutants	20.00
6.3.10.	Collection and preservation of precipitation samples to test for heavy metals	15.00
7.	Hydrobiology (per target period)	
7.1.	Primary production	45.00
7.2.	Zooplankton	112.00
7.3.	Phytoplankton	112.00
7.4.	Zoobenthos	70.00
<u>7.5.</u>	<u>Bacterioplankton</u>	
7.5.1.	Abundance and biomass	116.00
7.5.2.	Saprophytic bacteria	45.00
8.	Information on inland surface water pollution (per target period)	
8.1.	Hydrogen ion concentration (pH)	17.00
8.2.	Electrical conductivity	39.80
8.3.	Particulate matter	42.00
8.4.	Carbon dioxide	52.00

No.	Service	Tariff (in lei)
8.5.	Oxygen	76.10
8.6.	Hydrogencarbonate	64.50
8.7.	Sulphates	51.20
8.8.	Chlorides	56.00
8.9.	Calcium	40.40
8.10.	Magnesium	4.80
8.11.	Sodium and potassium	54.60
8.12.	Total hardness	43.00
8.13.	Dry residue	40.00
8.14.	Total ions	8.40
8.15.	Ammonium ions	59.00
8.16.	Nitrites	35.50
8.17.	Nitrates	60.10
8.18.	Total nitrogen (Kjeldahl method)	88.90
8.19.	Total phosphorus	96.90
8.20.	Phosphates	50.60
8.21.	Total iron	59.10
8.22.	Silicon	39.50
8.23.	Biochemical oxygen demand over 5 days (BOD5)	100.00
8.24.	Petroleum products	127.00
8.25.	Synthetic surfactants	100.90
8.26.	Phenols	150.00
8.27.	Chemical oxygen demand	92.20
8.28.	Copper	80.00
8.29.	Zinc	80.00
8.30.	Total chrome	80.00
8.31.	Nickel	80.00
8.32.	Cadmium	80.00
8.33.	Lead	80.00
8.34.	Arsenic	120.00
9.	Information on soil pollution information (per target period)	
9.1.	Sample collection	50.00
9.2.	Machine processing of soil samples	48.60
9.3.	Pesticides, herbicides, soil properties	
9.3.1.	1-chloro-4-[2,2,2-trichloro-1-(4-chlorophenyl)ethyl]benzene (p,p' - DDT)	50.20
9.3.2.	1,1'-(2,2-dichloroethene-1,1-diyl)bis(4-chlorobenzene) (p,p' - DDE)	50.20
9.3.3.	1,1'-(2,2-dichloroethane-1,1-diyl)bis(4-chlorobenzene) (p,p' - DDD)	50.20
9.3.4.	Alpha-1,2,3,4,5,6-hexachlorocyclohexane (α -HCH)	50.20
9.3.5.	Beta-1,2,3,4,5,6-hexachlorocyclohexane (β -HCH)	50.20
9.3.6.	Gamma-1,2,3,4,5,6-hexachlorocyclohexane (γ -HCH)	50.20
9.3.7.	Aldrin	50.20
9.3.8.	Dieldrin	50.20
9.3.9.	Mirex	50.20
9.3.10.	Endrin	50.20
9.3.11.	Trifluralin	105.30
9.3.12.	Hexachlorobenzene (HCB)	52.70
9.3.13.	Parathion-methyl	102.70
9.3.14.	Phosalone	96.10
9.3.15.	Phosphamidon	100.00

No.	Service	Tariff (in lei)
9.3.16.	Diethyl 2-[(dimethoxyphosphorothioyl)sulfanyl]butanedioate (Malathion)	100.00
9.3.17.	(2,4-dichlorophenoxy)acetic acid (2,4-D)	310.00
9.3.18.	Simazine	88.40
9.3.19.	Atrazine	88.40
9.3.20.	Promethrin	88.40
9.3.21.	Dalapon	112.40
9.3.22.	Deltamethrin	104.50
9.3.23.	Acetochlor	84.80
9.3.24.	Hydrogen ion concentration (pH)	17.00
9.3.25.	Humus	54.00
9.3.26.	Total nitrogen	104.10
9.3.27.	Nitrates	60.00
9.3.28.	Ammonium ions	60.00
9.3.29.	Total phosphorus	100.80
9.3.30.	Labile phosphorus	54.00
9.3.31.	Manganese	105.00
9.3.32.	Calcium and magnesium	40.50
9.3.33.	Potassium	29.00
9.3.34.	Sodium	29.00
9.3.35.	Soil moisture	58.90
9.3.36.	Porosity	135.00
9.3.37.	Soluble salts	45.00
9.3.38.	Soil texture	300.00
9.3.39.	Dry residue	45.00
9.3.40.	Carbonates	50.00
9.3.41.	Petroleum products	200.00
9.3.42.	Soil density	81.40
10.	Information on radioactivity in the environment (per target period)	
10.1.	<u>Measuring gamma-radiation exposure dose using DRG-01, SRP-68 and DP-5 dosimeters</u>	14.00
10.2.	Collection and preservation of atmospheric deposition samples (per single random sample)	10.00
10.3.	<u>Analysis of atmospheric deposition samples (per single random sample)</u>	
10.3.1.	Beta-gamma spectrometry: isotopic composition, total beta-gamma activity, Sr ⁹⁰ content, Cs ¹³⁷ content (monthly)	144.50
10.3.2.	Radiochemistry: Sr ⁹⁰ content, Cs ¹³⁷ content (monthly)	230.00
10.4.	Collection of sediment samples (per single random sample)	20.00
10.5.	<u>Analysis of sediment samples (per single random sample)</u>	
10.5.1.	Beta-gamma spectrometry: isotopic composition, total beta-gamma activity, Sr ⁹⁰ content, Cs ¹³⁷ content (monthly)	144.50
10.5.2.	Radiochemistry: Sr ⁹⁰ content, Cs ¹³⁷ content (monthly)	230.00
11.	Environmental quality information	
11.1.	<u>Water quality information</u>	
11.1.1.	Assessment of annual mean concentrations (per indicator)	47.30
11.1.2.	Estimating the Water Pollution Index (WPI) (per indicator)	42.50
11.1.3.	Estimating annual exceedances of maximum allowable concentrations (MACs) (per control section)	44.50
11.1.4.	Assessing and certifying background concentrations of surface water pollutants (per indicator)	410.00

No.	Service	Tariff (in lei)
11.1.5.	Hydrochemical information for calculation of maximum allowable concentrations (MACs) per indicator per year	99.70
11.1.6	Hydrobiological information per indicator	67.00
<u>11.2.</u>	<u>Information on air quality (per impurity)</u>	
11.2.1.	Assessment of daily mean concentrations	19.80
11.2.2.	Assessment of monthly mean concentrations	30.20
11.2.3.	Assessment of mean concentrations for 3, 6, 9 or 12-month periods	45.10
11.2.4.	Monthly estimate of the Air Pollution Index (API) (per impurity)	15.10
11.2.5.	Estimating the Air Pollution Index (API) for 3, 6, 9 or 12-month periods	29.45
11.2.6.	Bulletin on background concentrations (for a 5-year period) of air pollutants by reference to 5 different impurities, sampled at permanent observation posts	1,200.00
11.2.7.	Bulletin on background concentrations of criteria air pollutants sampled at localities across the country (4 impurities)	371.30
11.2.8.	Pollution forecast. Alerts and warnings for operating schedules at enterprises during adverse weather conditions across all potential sources of emissions for 1 day	270.20
<u>11.3.</u>	<u>Soil quality information</u>	
11.3.1.	Assessment of mean concentrations for a 6-month period (per indicator)	45.10
11.3.2.	Assessment of mean concentrations for a 12-month period (per indicator)	90.20
11.3.3	Annual estimate of mean and maximum exceedances of maximum allowable concentrations (MACs)	50.00
	II. SPECIALIZED HYDROMETEOROLOGICAL INFORMATION	
1.	Operational meteorological forecasting information (per forecast)	
1.1.	Area weather forecast for the following 24 hours	41.10
1.2.	Local weather forecast for the following 24 hours	53.40
1.3.	Sudden change report, warning of adverse weather conditions	82.20
1.4.	Medium-range forecasts for 2-5 days ahead	82.20
1.5.	Specialized forecasts tailored to various sectors of the economy	74.00
1.6.	Daily weather bulletin	135.70
2.	Meteorological information	
<u>2.1.</u>	<u>Information on meteorological regime</u>	
<u>2.1.1.</u>	<u>Climate data sheet</u>	
	1 data table covering 7 meteorological stations (for a 24-hour period)	11.10
	1 indicator at 1 meteorological station (for a 24-hour period)	1.60
<u>2.1.2.</u>	<u>Agrometeorological data sheet</u>	
	1 data table covering 15 stations (for a 24-hour period)	23.40
	1 indicator at 1 station (for a 24-hour period)	1.60
<u>2.1.3.</u>	<u>Monthly meteorological bulletin</u>	
	from 1 meteorological station (for one month)	266.10
	1 indicator at all meteorological stations (for one month)	354.90
	1 indicator at 1 meteorological station for 10 days	24.70
<u>2.1.4.</u>	<u>Meteorological data tables</u>	
	Meteorological data tables from meteorological stations (1 indicator at 1 station for a 24-hour period)	2.50
2.1.5.	Meteorological data tables from monitoring posts (from 1 post for 1 month)	295.70
	1 indicator at 1 post (for a 24-hour period)	2.50
3.	Agrometeorological information (per item of information)	

No.	Service	Tariff (in lei)
3.1.	<u>Phenological forecasts</u>	
3.1.1	Forecasting the condition of autumn crops before the start of the growing season	659.10
3.1.2	Forecasting flowering times for fruit trees and vineyards	439.40
3.1.3.	Providing information on agrometeorological conditions for spring and on expected times for the start of agricultural work	527.30
3.1.4.	Providing information on best times for sowing warm-weather crops	615.10
3.1.5	Forecasting agrometeorological conditions	512.60
3.2.	Crop yield forecast	725.10
3.3.	Review of the agricultural year	4,394.00
3.4.	Monthly review of agrometeorological conditions (12 issues)	659.10
3.5.	10-day agrometeorological bulletin (36 issues)	527.40
3.6.	Providing information on request (straightforward enquiry)	219.70
3.7.	<u>Advice on agrometeorological conditions</u>	
3.7.1.	Providing information on the state of autumn cereal crops during autumn and winter	483.40
3.8.	<u>Information on agrometeorological regime</u>	
3.8.1.	Agrometeorological data tables from relevant meteorological stations (1 indicator from 1 station for a period of 10 days)	24.40
3.8.2.	Yearbook of agrometeorological data (from 1 station for 1 indicator)	74.80
3.8.3.	Agrometeorological data sheet	46.80
3.8.4.	Calculation of hydrothermal coefficient (HI 1), (at 1 station over a period with mean daily temperature $\geq 10^{\circ}$ C)	347.90
3.8.5.	Calculation of sum of average active temperatures	183.50
3.8.6.	Calculation of data on air temperature transition through predefined indicators	91.90
4.	Hydrological information (per item of information)	
4.1.	<u>Information on hydrological regime</u>	
4.1.1.	Water level	21.80
4.1.2.	Water discharge	28.70
4.1.3.	Stream gauging	23.20
4.1.4.	Turbidity	10.20
4.1.5.	Ice thickness	68.30
4.1.6.	Ice phenomena on a section of the monitoring post	81.80
4.1.7.	Compiling data tables and calculating resulting flow frequency curve	708.50
4.1.8.	Selection of analogue catchment	184.20
4.1.9.	Water body hydrology (per parameter)	21.70
4.1.10.	Preparing a memorandum on hydrology for a Project Justification	367.50
4.2.	<u>Operational hydrological information</u>	
4.2.1.	Daily forecasting information on observed hydrological regime of water bodies	71.20
4.2.2.	Forecasting spring flood	180.10
4.2.3.	Forecasting ice break-up in water bodies	152.80
4.2.4.	Forecasting maximum water levels	152.80
4.2.5.	Forecasting water levels and water discharge	215.60
4.2.6.	Forecasting when ice will appear or freeze-up will begin	171.90
4.2.7.	Daily information on actual reservoir inflow	107.80
4.2.8.	Warning of and advising on dangerous hydrological phenomena	638.80
5.	Aeronautical meteorological information (per target period)	
5.1.	Aerodrome weather forecasts	217.00

No.	Service	Tariff (in lei)
5.2.	Area weather forecasts	194.20
5.3.	Route weather forecast	194.20
5.4.	Landing forecast	194.20
5.5.	Aerodrome forecast (TAF) valid for 6 hours	217.00
5.6.	METAR routine weather reports, SPECI selected special weather reports	96.50
5.7.	Synoptic pre-flight briefing for aircrew	247.40
5.8.	Synoptic briefing for air traffic services personnel	350.30
5.9.	Synoptic briefing on one element of the weather	23.70
5.10.	Information on actual and/or forecast weather at other airports	18.00
5.11.	Aerodrome or en-route warning	195.60

**Annex 3
to Government Resolution
No. 330 of 3 April 2006**

**REGULATIONS
on the Procedure for Use of the Special Funds
of the State Hydrometeorological Service**

I. General provisions

1. These Regulations on the Procedure for Use of the Special Funds of the State Hydrometeorological Service (to be referred to as 'the Regulations') establish a procedure for the collection and use of special funds obtained from the performance of chargeable services by the State Hydrometeorological Service.

2. The special funds of the State Hydrometeorological Service are to be administered and used according to the procedure laid down for publicly funded organizations.

3. These special funds are to be made up of the proceeds of chargeable services and work carried out by the State Hydrometeorological Service according to the tariffs for chargeable services approved by this Resolution (Annex 2).

4. Chargeable services are carried out on the basis of contracts concluded with economic entities, legal entities and natural persons; they include the following information:

(a) meteorological:
information on meteorological regime;
operational meteorological information;
agrometeorological information;
phenological forecasts;
crop yield forecasts;
advice on agrometeorological conditions;
information on agrometeorological regime;

(b) hydrological:
information on hydrological regime;
operational hydrological information;

(c) environmental:
information on air pollution;
air pollution forecasts;
information on surface water pollution;
information on soil pollution;
environmental pollution incident reports;
radioactive contamination and chemical pollution of precipitation;

(d) hydrochemical and hydrobiological information;

(e) actinometric information;

(f) aerological information.

II. Guidelines on the Use of Special Funds

Funds derived from the performance of services are to be used, in accordance with laws and regulations currently in force, to implement measures provided for by regulations governing the State Hydrometeorological Service, including covering expenditure connected with carrying out the relevant services.