



REPUBLIC OF MOLDOVA

Confidence Building Measure Return covering 2011

**Convention on the Prohibition of the Development, Production and
Stockpiling of Bacteriological (Biological) and Toxin Weapons and
on their Destruction**

**Submitted to the United Nations on
15 April 2012**

Declaration form on Nothing to Declare or Nothing New to Declare for use in the Information Exchange

Measure	Nothing to declare	Nothing new to declare	Year of last declaration if nothing new to declare
A, part 1			2011
A, part 2 (i)			2011
A, part 2 (ii)			2011
A, part 2 (iii)			
B (i)			
B (ii)			
C			2011
E			
F			2011
G	X		

Date: **15 April 2012**

State Party to the Convention: **REPUBLIC OF MOLDOVA**

Date of ratification/accession to the Convention: **Moldova joined the BWC on 5 November 2004, which entered into force for our country on 28 January 2005.**

National point of contact: **Mariana GRAMA, Ministry of Defense of the Republic of Moldova**

**Report of the Republic of Moldova to the United Nations Department for
Disarmament Affairs**

Pursuant to the procedural modalities agreed upon in April 1987 at the "Ad Hoc Meeting of Scientific and Technical Experts for STATES Parties to the Convention on the Prohibition of the Development, Production, and Stockpiling of Bacteriological (Biological) and Toxin Weapons and on Their Destruction," the Republic of Moldova submits the following information under Article V of the Convention:

Confidence Building Measure A, Part 1

Exchange of Data on Research Centres and Laboratories pages 4

Confidence Building Measure A, Part 2

Exchanges of Information on National Biological Defense
Research and Development Programs

- (i) Declaration page 5
- (ii) Description pages 6
- (iii) Facilities pages 7-9

Confidence Building Measure B

Exchange of Information on All Outbreaks of Infectious Diseases and Similar Occurrences Caused by Toxins pages 10

- (i) Background Information pages 11-12
- (ii) Information on occurrences that seem to deviate from the norm pages 13

Confidence Building Measure C

Encouragement of Publication of Results and Promotion of Use of Knowledge pages 14

Confidence Building Measure E

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Confidence Building Measure F

Declaration of Past Activities in Offensive and/or Defensive Biological Research Programs pages 17

Confidence Building Measure G

Declaration of Licensed Human Vaccine Production Facilities pages 18

Form A – Part 1

BWC - Confidence Building Measure

Exchange of data on research centres and laboratories

In accordance with the agreement at the Third Review Conference that States Parties provide data on "research centres and laboratories that meet very high national or international safety standards established for handling, for permitted purposes, biological materials that pose a high individual and community risk or specialize in permitted biological activities directly related to the Convention," the Republic of Moldova is providing data on all facilities designated biosafety level 3 (BSL-3) that were operational during 2010. Data on a BSL-3 facility under the Ministry of Agriculture, currently under construction, will be included in future CBM submissions of the Republic of Moldova beginning with the submission covering the year the facility becomes operational.

The Republic of Moldova does not have maximum containment laboratories (BSL-4).

Nothing new to declare than in Confidence Building Measure Return covering 2010 submitted by the Republic of Moldova in year 2011.

Form A, Part I (ii)

The highest biosafety level facility on the Republic of Moldova's territory are:

Biosafety Level 3	Yes	National Center for Public Health, Ministry of Health
Biosafety level 2	Yes	Republican Center for Veterinary Diagnostics, Ministry of Agriculture and Food Industry

Any additional relevant information as appropriate:

Nothing new to declare than in Confidence Building Measure Return covering 2010 submitted by the Republic of Moldova in year 2011.

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Form A – Part 2 (i)

BWC - Confidence Building Measure

Exchange of information on national biological defence research
and development programmes Declaration

Are there any national programmes to conduct biological defence research and development within the territory of the State Party, under its jurisdiction or control anywhere? Activities of such programmes would include prophylaxis, studies on pathogenicity and virulence, diagnostic techniques, aerobiology, detection, treatment, toxinology, physical protection, decontamination and other related research.

Yes

If the answer is Yes, complete Form A, part 2 (ii) which will provide a description of each programme.

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Form A – Part 2 (ii)

BWC - Confidence Building Measure

Exchange of information on national biological defence research
and development programmes description

State the objectives and funding of the programme and summarize the principal research and development activities conducted in the programme. Areas to be addressed shall include: prophylaxis, studies on pathogenicity and virulence, diagnostic techniques, aerobiology, detection, treatment, toxinology, physical protection, decontamination, and other related research.

Nothing new to declare than in Confidence Building Measure Return covering 2010 submitted by the Republic of Moldova in year 2011.

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Form A – Part 2 (iii)

BWC - Confidence Building Measure

Exchange of information on national biological defence research
and development programmes facilities

Nothing new to declare than in the Confidence Building Measure Return covering 2010 submitted by the Republic of Moldova in year 2011, with exception on:

(IX) Provide a list of publicly-available papers and reports resulting from the work published during the previous 12 months. (To include authors, titles and full references.)

1. *Best practice for developing standards for infectious disease laboratories in Europe.* OLEG BENEȘ, ȘTEFAN GREORGHÎȚA, VASILE SOHOTCHI, LAURA ȚURCAN, STELA GHEORGHÎȚA, VALERIU CHICU, NATALIA URSACHI, NICOLAE FURTUNĂ, ALEXANDRU PECIUL, ANGELA VRÎNCEANU-BENEȘ, VALERIA DMITRIENCO, VERA LUNGU, OLGA BURDUNIUC, VICTORIA GHIDIRIM, RADU COJOCARU, ALA HALACU, SVETLANA PRUDNICIONOC, MARIANA APOSTOL, LUDMILA CHIIRIAC, NATALIA COSTIC, ION URSULEANU, SVETLANA GONȚA. World Health Organization, 2011, 40 pp.
2. RADU COJOCARU, DMITRIENCO VALERIA, STELA GHEORGHÎȚA, VICTORIA GHIDIRIM, ALA HALACU, ANATOL MELNIC, PETRU SCOFERȚA, SVETLANA PRUDNICIONOC. *Ghid național de biosiguranță pentru laboratoare.* Chișinău 2011, 166 pp.
3. RADU COJOCARU, DMITRIENCO VALERIA, STELA GHEORGHÎȚA, VICTORIA GHIDIRIM, ALA HALACU, ANATOL MELNIC, PETRU SCOFERȚA, SVETLANA PRUDNICIONOC. *Ghid național de reglementări pentru transportul substanțelor infecțioase.* Chișinău 2011, 36 pp.
4. DANA PERKINS AND STELA GHEORGHITA. *Trilateral (US-Romania-Moldova) Civilian-Military forum and tabletop exercise on outbreak respons and bioterrorism investigation.* Chișinău, 2011, 131pp.
5. В. Ф. КИКУ, И. Г. УСПЕНСКАЯ, В. И. БУРЛЯКУ, С. Д. ГЕОРГИЦА, О. А. БЕНЕШ, И. А. ТИХОНОВ, Г. Н. ТИХОНОВА, Е. В. КОТЕНКОВА. *Структура населения мелких млекопитающих Молдовы.* Зоологический журнал 2011, том 90, № 2, сс. 223–231;
6. TATIANA JURAVLIOV, LUDMILA BÎRCA, GALINA RUSU, C. SPÎNU, STELA GHEORGHÎȚA, R. COJOCARU, MARIA NEAGA, ANGELA

VĂMĂȘESCU, V. MUȘUC, DIANA PRUNCEANU, DIANA VLAD. Particularitățile clinico-epidemiologice ale infecției rotavirale la copii până la 5 ani în republica moldova. *Therapeutics, pharmacology and clinical toxicology*. Romania. Vol. XV, Supplement. 3/2011. 89-91 pp

7. RADU COJOCARU, STELA GHEORGHÎȚA, LUDMILA BIRCA, VASILE SOHOȚCHI, CONSTANTIN SPÎNU, TATIANA JURAVLIOV, ANATOL MELNIC, ELENA SAMOILOVICH. Perfecționarea supravegherii și diagnosticului de laborator al infecției rotavirale în Republica Moldova. *Bacteriologia, virusologia, parazitologia, epidemiologia*. Conferința națională de epidemiologie. 10-12 noiembrie 2011 Iași. Vol.56, p.37.

8. VALERIU CHICU, STELA GHEORGHÎȚA, NATALIA CARAMAN, VICTORIA BURLACU, ARCADIE GUȚU, VERA MELNIC, ECATERINA CULIBACINȚI. Cu privire la supravegherea și controlul maladiilor infecțioase transmise prin vectori în Republica Moldova. *Bacteriologia, virusologia, parazitologia, epidemiologia*. Conferința națională de epidemiologie. 10-12 noiembrie 2011 Iași. Vol.56, p.38.

9. C. SPÎNU, P. SCOFERȚA, VERONICA DUBALARI, R. COJOCARU, I. SPÎNU, M. VLAS. Măsuri de control și răspuns la gripă realizate prin actualul sistem de supraveghere. *Bacteriologia, virusologia, parazitologia, epidemiologia*. Conferința națională de epidemiologie. 10-12 noiembrie 2011 Iași. Vol.56, p.42.

10. OLGA BURDUNIUC, RADU COJOCARU, IURIE ROȘCIN, CONSTANTIN SPÎNU, STELA GHEORGHÎȚA. Antibio rezistența *Escherichie coli* izolate la pacienții cu infecții ale tractului urinar în republica moldova. *Bacteriologia, virusologia, parazitologia, epidemiologia*. Conferința națională de epidemiologie. 10-12 noiembrie 2011 Iași. Vol.56, p. 51.

11. FEDOSOV E. LUDMILA KASIANOVA, NATALIA CARAMAN, ELENA KOTENKOVA. The mechanisms of the maternal effect on the behaviour of young rabbits in the prepubertal period. „Actual problems of protection and sustainable use of the animal diversity”: *Intern. conf. of zoologists: dedicadet to the 50th anniversary from the foundation of the Inst.of Zoologists. Chisinau 2011*, pp. 25-26.

12. NISTREANU VICTORIA, BURLACU VICTORIA, CARAMAN NATALIA, BURDUNIUC OLGA. Shrew species (soricomorpha, soricidae) in urban ecosystems of chisinau city and its suburbs. „Actual problems of protection and sustainable use of the animal diversity”: *Intern. conf. of zoologists: dedicadet to the 50th anniversary from the foundation of the Inst.of Zoologists. Chisinau 2011*, pp. 44-45.

13. STELA GHEORGHÎȚA, VICTORIA BURLACU, NATALIA CARAMAN. Circulația agenților cauzal ai tularemiei în populația de micromamifere în zona de centru al Republicii Moldova. *Materialele simpozionului științific internațional Rezervația „Codrii” 40 de ani. Chișinău. Știința 29-30 septembrie 2011*. pp. 173-176.

14. STELA GHEORGHÎȚA, VICTORIA BURLACU, NATALIA CARAMAN. Diversitatea și rolul vectorilor (căpușe ixodide, țânțari hematofagi) în răspândirea maladiilor transmisibile pe teritoriul Republicii Moldova. *Materialele simpozionului științific internațional Rezervația „Codrii” 40 de ani. Chișinău. Știința 29-30 septembrie 2011.* pp. 176-179.
15. VICTORIA NISTREANU, ANATOL SAVIN, VICTORIA BURLACU, ALINA LARION, CARAMAN NATALIA, NICOLAE CORCIMARU, OLGA BURDUNIUC. Distribution of srews from genus *Crocodura* on the territory of republic of moldova. *Международная экол. ассоциация хранителей реки «Eco-tiras». Образовательный фонд им. Л.С. Берга, Бендеры 2011,* p. 350-353.
16. OLGA BURDUNIUC. Evoluția rezistenței la antibiotice – problema urgentă mondială. *Analele Științifice ediția a XII-a. Vol. 2 Problemele actuale de sănătate publică și management. Chișinău, 2011.* 36-41 pp.

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Form B

BWC - Confidence Building Measure

Exchange of Information on Outbreaks of Infectious Diseases and Similar Occurrences Caused by Toxins

Exchange of information on outbreaks of infectious diseases and similar occurrences caused by toxins, and on all such events that seem to deviate from the normal pattern as regards type, development, place, or time of occurrence. The information provided on events that deviate from the norm will include, as soon as it is available, data on the type of disease, approximate area affected, and number of cases.

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Form B(i)

BWC - Confidence Building Measure

Background Information on Outbreaks of Reportable Infectious Diseases

Exchange of information on outbreaks of reportable infectious diseases

Human Diseases
(cases)

Disease	Number of cases per year							
	2004	2005	2006	2007	2008	2009	2010	2011
Acute encephalitis	0	0	0	0	0	0	0	0
Acute poliomyelitis	0	0	0	0	0	0	0	0
Anthrax	5	0	0	0	1	0	0	0
Botulism	3	8	7	18	13	4	21	15
Brucellosis	0	0	0	0	1	0	0	0
Cholera	0	0	0	0	0	0	0	0
Glanders	0	0	0	0	0	0	0	0
Diphtheria ⁽¹⁾	0	0	0	0	0	0	0	0
Dysentery	739	1374	1154	838	414	307	164	111
Ornithosis	0	0	0	0	0	0	0	0
Food poisoning	0	0	0	0	0	0	0	0
Leptospirosis	4	0	0	13	17	6	13	5
Meningitis	87	62	47	51	53	39	47	49
Plague	0	0	0	0	0	0	0	0
Q-fever	4	4	4	2	6	7	5	2
Shigellosis	1389	1955	1655	1216	744	592	511	256
Smallpox	0	0	0	0	0	0	0	0
Tularemia	0	0	0	0	0	1	0	0
Typhus abdominalis	8	2	1	1	0	0	0	0
Typhus fever	1	0	0	0	0	0	0	0
Tuberculosis	3238	3674	3623	3578	3359	3314	3113	3175
Viral encephalitis	0	0	0	0	0	0	0	0
Viral hemorrhagic fever	0	0	0	0	0	0	0	0
Yellow fever	0	0	0	0	0	0	0	0
Viral hepatitis (including other viral hepatitis)	3576	1623	771	575	379	250	213	166
Hepatitis A	3031	1109	335	198	101	29	16	4
Hepatitis B	361	347	269	238	168	124	95	96
Hepatitis C	103	111	111	101	89	71	80	50
Other and unknown	0	0	0	0	0	0	0	0

Animal Diseases

(cases)

	2006	2007	2008	2009	2010	2011
African swine fever	0	0	0	0	0	0
Anthrax	2	5	2	1	1	2
Anjeszky 's disease	1	1	0	0	0	0
Brucellosis	0	0	0	0	0	0
Bacillus larvae	0	0	0	0	1	0
Bratsot	0	1	0	1	0	1
Coli-bacteriosis	6	4	5	60	45	70
Contagious Bovine Pleuro-pneumonia	0	0	0	0	0	1
Enzootic Bovine Leukosis	24	32	0	5	38	5
Epizootic Hemorrhagic Virus Disease	0	0	0	0	0	0
Epizootic Lymphangitis	0	0	0	0	0	0
Leptospirosis	0	1	0	0	0	0
Lumpy Skin Disease	0	0	0	0	0	0
Newcastle disease	0	0	0	0	0	1
Malignant Edema	0	1	0	0	0	1
Pasteurellosis	30	27	12	22	22	27
Rabies	49	68	45	59	140	66
Rubella	0	0	0	0	0	0
Rujetul	2	4	4	4	3	2
Rinitis atrofica	0	0	0	0	0	0
Salmonela typhi	6	2	3	43	29	17
Swine versticular disease	0	0	0	0	0	0
Teschon disease	0	0	0	0	0	0
Tularemia	0	0	0	0	0	0
Tuberculosis (Bovine TB)	1	0	0	0	0	1

Information on outbreaks of infectious diseases and similar occurrences
that seem to deviate from the normal pattern

No some outbreaks of infection diseases and similar occurrences that seem to deviate from the normal pattern on human and animal diseases were registered during 2011 year on the territory of the Republic of Moldova.

Form C

BWC - Confidence Building Measure

Encouragement of Publication of Results and Promotion of Use of Knowledge

Encouragement of publication of results of biological research directly related to the Convention, in scientific journals generally available to States parties, as well as promotion of use for permitted purposes of knowledge gained in this research.

All researchers of the Ministry of Health, Ministry of Agriculture and Food Industry, Academy of Science of Moldova are encouraged to publish results in peer-reviewed open literature.

Nothing new to declare than in the Confidence Building Measure Return covering 2010 submitted by the Republic of Moldova in year 2011.

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Form E

BWC - Confidence Building Measure

Declaration of legislation, regulations, and other measures

Declaration of legislation, regulations and other measures:

Relating to	Legislation	Regulations	Other measures ²	Amended since last year
(a) Development, production, stockpiling, acquisition or retention of microbial or other biological agents, or toxins, weapons, equipment and means of delivery specified in Article I	Yes	Yes	Yes	Yes
(b) Exports of micro-organisms ³ and toxins	Yes	Yes	Yes	Yes
(c) Imports of micro-organisms ¹¹ and toxins	Yes	Yes	Yes	Yes
(d) Biosafety ⁴ and biosecurity ³	Yes	Yes	Yes	Yes

Article 216 on “Production, transportation, storage, selling, offering free of charge products (goods), services, which endanger of customers’ lives and health ” of the Criminal Code (Law No. 985-XV of 18 April 2002) were amended by Law No.115 of 26 June 2011 in the redaction:

“...committed on a large, punishable by a fine from 600 to 800 conventional units, and the legal entity shall be punished with fine from 1000 to 5000 conventional units with deprivation of the right to perform certain activities for up to two years or liquidation of companies...”.

The Customs Code (Law No. 1149-XIV of 20 July 2000) were amended by Law No. 267 of 23 December 2011, in special on articles:

² Including guidelines.

³ Micro-organisms pathogenic to man, animals and plants in accordance with the Convention.

⁴ In accordance with the latest version of the WHO Laboratory Biosafety Manual or equivalent national or international guidance.

¹¹ In accordance with the latest version of the WHO Laboratory Biosecurity Guidance or equivalent national or international guidance.

Article 200 on “Loading and unloading and other operations with goods and means of transport, taking control samples and samples necessary for customs control” is carried out under **Section 29**”....

There were introduced a new **Section 29** on Investigation (expertise) of goods during customs control, which include the procedures and mechanism of investigation of goods, vehicles, documents, etc., what kind of authorities are designed for investigation and expertise, including for sampling of goods, relationship between investigation and customs offences, the rights and obligations of good’s holder.

The **Government Decision No. 961 of 21 August 2006 on national network of laboratory supervision and control on contamination (pollution) of the environment with radioactive, poisonous, strongly toxin substances and biological agents** *were amended last year by Governmental Decision of No 932 of 08 December 2011, which* improve quality of document throughout introduction of the definitions of “biological agent” and “contamination”; improve the task of laboratory network in case of contamination with biological agents; nominated the national authorities for laboratory control and epidemiological investigation of an outbreak of contamination in biological, toxicological or zoonotic disease; introduce new requirements of veterinary safety of animal products in establishments producing, importing, exporting, processing, storing, transporting and marketing these products, reflected new measures for the safety of animal products for human consumption and prevent disease transmission from animals to humans through observation and control network laboratory branch; reflected mechanism how to organize the plant protection and phytosanitary quarantine across the country and to ensure the health of crops, pastures, natural feed and storage of agricultural production, and show co-operation and co-ordination with public health officials and other agencies in the event of an incident involving dangerous biological agents and toxins.

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Form F

BWC - Confidence Building Measure

Declaration of past activities in offensive and/or defensive
biological research and development programmes

Nothing new to declare than in Confidence Building Measure Return covering 2010 submitted by the Republic of Moldova in year 2011.

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Form G

BWC - Confidence Building Measure

Declaration of Vaccine Production Facilities

Nothing to declare. Currently there are no human vaccines manufactured and licensed in the Republic of Moldova.

Republic of Moldova

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Prepared by the National Point of Contact of the Republic of Moldova:



Mariana GRAMA