



EUROPEAN COMMISSION
HEALTH AND CONSUMERS DIRECTORATE-GENERAL

Director General

SANCO/10260/2014

*Programmes for the eradication, control and monitoring of certain
animal diseases and zoonoses*

Survey programme for Avian Influenza

Lithuania

Approved* for 2014 by Commission Decision 2013/722/EU

* in accordance with Council Decision 2009/470/EC

Standard requirements for the submission of surveillance programmes for avian influenza

version : 2.22



PROGRAMME for ERADICATION : ANNEX IV

Member States seeking a financial contribution from the Community for national programmes for the control and monitoring of avian influenza in poultry and wild birds shall submit applications containing at least the information set out in this form.

The central data base keeps all submissions. However only the information in the last submission is shown when viewing and used when processing the data.

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Instructions to complete the form:

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Adobe Reader version 8.1.3

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2) Please provide as much information as possible, in addition to those required by fields marked with an asterisk (*) which are mandatory. Should you need clarifications on some of the information requested, please contact SANCO-BO@ec.europa.eu.

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1. Identification of the programme

Member state : LIETUVA

Disease : avian influenza in poultry and wild birds

Request of Union co-financing
for the period :

FROM

2014

TO

2014

1.1 Contact

Name : Vidmantas Paulauskas

Phone : + 370 5 2404363

Fax. : + 370 5 2404362

Email : vvt@vet.lt

2. Description and implementation of the surveillance programme in poultry

2.1.1 Designation of the central authority in charge of supervising and coordinating the departments responsible for implementing the programme

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(max. 32000 chars):

State Food and Veterinary Service (hereinafter – SFVS) is the sole competent authority in Lithuania responsible for the official control of implementation of the legislation on food, feed, animal health and welfare. State Food and Veterinary Service (central service) consists of Administration and 15 Departments. Administration is comprised of the Director and 4 his deputies. The director is also Chief Veterinary Inspector of the State. Four Departments are concerned with animal health. (Emergency Response Department, Food Department, Veterinary Sanitary Department, Animal Health and Welfare Department)

Functions of Animal Health and Welfare Department, responsible for implementation of programme, are as follow:

The Animal Health and Welfare Department and Emergency Response Department are responsible for the coordination and control of all territorial State Food and Veterinary Services involved in the implementation of this program. Thus departments collect the data, perform statistical analysis and evaluation of the surveillance program and inform the relevant authorities in European Union about the progress of the control and surveillance program.

Emergency Response Department:

- Analyses epizootic situation of contagious animal diseases in Lithuania and other countries, makes assessment of risk factors and adopts decisions on control of infectious animal diseases and contingency actions;
- Organizes monitoring and control of contagious animal diseases and zoonoses, and eradication of outbreaks of infectious animal diseases.

Animal Health and Welfare Department:

- Carries out control over identification and registration of animals, over trade of animals, animal by-products, feeds and feed additives, over import, distribution and use of veterinary medicines.
- Analyses, implements EU legislation or drafts national legislation on animal welfare, control, monitoring and eradication of infectious animal diseases.

51 territorial State Food and Veterinary Services (administrative divisions) perform official food and veterinary control.

2.1.2 System in place for the registration of holdings

(max. 32000 chars):

The commercial poultry farms are registered in accordance with Order No. B1-517 of the Director of State Food and Veterinary Service of 3 July 2012 on the approval of legal subjects that are objects of veterinary supervision by the local state food and veterinary services. The local SFVS provide the updates to the list of approved legal subjects to the Animal Health and Welfare Department monthly by the local state food and veterinary services and included into national register available on Internet <http://www.vet.lt/objektai/LTindex.html>. The registered poultry farms are under veterinary supervision.

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The following programs must be presented and operational for the veterinary approval of the holding:

1. The description of technological process and schemes of the holding and the territory.
2. Self – control program.
3. Control Program of drinking water.
4. Program of collection and disposal of waste water
5. Program of use and disposal of animal by products.
6. Control Program of pests.
7. Program of cleaning and disinfection.
8. Program of personal hygiene and health control
9. Program of training of personnel.

The means of transport must be cleansed and disinfected using method and means, approved by SFVS before and after the transportation of live birds.

Small poultry keepers are registered in to Farm animal register which is central Data Base for all farm animals including poultries.

2.1.3 Design (risk based or surveillance based on representative sampling)

(max. 32000 chars) :

Method used for poultry disease surveillance will be based on representative sampling.

2.1.3.1 Short description of predominant poultry population and types of poultry production

(max. 32000 chars) :

The predominant poultry population in Lithuania in 2012 are as follows:

Laying hens of Gallus gallus: 26 holdings with 127 flocks (approx. 2 844 500 birds);

Broilers of Gallus gallus: 41 holdings with 272 flocks (approx. 7 250 000 birds);

Breeding poultry of Gallus gallus: 13 holdings with 65 flocks (approx. 362100 birds);

Ducks: 1 holding with 1 flock (approx. 15 000 birds);

Fattening turkeys: 19 holdings with 46 flocks (approx. 451 700 birds).

2.1.3.2 Criteria and risk factors for risk based surveillance(1)

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(max. 32000 chars) :

State Food and Veterinary Service is responsible for implementation of Avian Influenza surveillance programme in whole territory of Lithuania taking into account the risk factors - e. g. 1) the location of the poultry holding in proximity to wet areas, 2) free range production, 3) presence of more than one poultry species. The inspectors of SFVS will take samples in commercial poultry farms. Authorized veterinarians will take blood samples from poultry in backyard flocks.

- (1) Including maps showing target sampling sites identified as being particularly at risk for the introduction of avian influenza virus, taking into account criteria set out in point 4 of Annex I to Commission Decision 2010/367/EC.

2.2 Target populations (2)

(max. 32000 chars) :

Laying hens, free range laying hens in backyard flocks, chicken breeders, fattening turkeys, ducks, geese.

- (2) including MS specific exceptional circumstances as described in Annex I point 3 of Commission Decision 2010/367/EU)

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2.2.1 POULTRY HOLDINGS ^(a) (except ducks, geese and farmed game birds (waterfowl e.g. mallards) to be sampled

Serological investigation according to Annex I to Commission Decision 2010/367/EU

In case of multiannual programme, please provide targets on annual basis.
If your targets differ between different implementation years please provide separate tables per year in attachment.

Category : Laying hens

delete this category

NUTS (2) (b)	Total number of holdings(c)	Total number of holdings to be sampled	Number of samples per holding	Total number of tests	Method of laboratory analysis	
Lithuania	26	26	20	520	ELISA test	X
Total	26	26	20	520		

Add a new row

(a) Holdings or herds or flocks or establishments as appropriate.

(b) Refers to the location of the holding of origin. In case NUTS (Nomenclature of Territorial Units for Statistics) can not be used, region as defined in the programme by the Member States is requested

(c) Total number of holdings of one category of poultry in concerned NUTS 2 region.

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*In case of multiannual programme, please provide targets on annual basis.
If your targets differ between different implementation years please provide separate tables per year in attachment.*

Category : chicken breeders

delete this category

NUTS (2) (b)	Total number of holdings(c)	Total number of holdings to be sampled	Number of samples per holding	Total number of tests	Method of laboratory analysis	
Lithuania	13	13	20	260	ELISA test	X
Total	13	13	20	260		
				Add a new row		
<p>(a) Holdings or herds or flocks or establishments as appropriate. (b) Refers to the location of the holding of origin. In case NUTS (Nomenclature of Territorial Units for Statistics) can not be used, region as defined in the programme by the Member States is requested (c) Total number of holdings of one category of poultry in concerned NUTS 2 region.</p>						

*In case of multiannual programme, please provide targets on annual basis.
If your targets differ between different implementation years please provide separate tables per year in attachment.*

Category : fattening turkeys

delete this category

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NUTS (2) (b)	Total number of holdings(c)	Total number of holdings to be sampled	Number of samples per holding	Total number of tests	Method of laboratory analysis	
Lithuania	13	13	20	260	ELISA test	X
Total	13	13	20	260		
				Add a new row		
<p>(a) Holdings or herds or flocks or establishments as appropriate.</p> <p>(b) Refers to the location of the holding of origin. In case NUTS (Nomenclature of Territorial Units for Statistics) can not be used, region as defined in the programme by the Member States is requested</p> <p>(c) Total number of holdings of one category of poultry in concerned NUTS 2 region.</p>						

[Add a category](#)

Total Poultry	52	52	60	1 040		

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2.2.2 DUCKS, GEESE AND FARMED GAME BIRDS (WATERFOWL e.g. MALLARD) HOLDINGS (a) to be sampled.

Serological investigation according to Annex I to Commission Decision 2010/367/EU

In case of multiannual programme, please provide targets on annual basis.
If your targets differ between different implementation years please provide separate tables per year in attachment.

Category : Ducks

delete this category

NUTS (2) (b)	Total number of duck and geese holdings	Total number of duck and geese holdings to be sampled	Number of samples per holding	Total number of tests	Method of laboratory analysis	
1Lithuania	1	1	20	20	ELISA test	X
Total	1	1	20	20		
Add a new row						

(a) Holdings or herds or flocks or establishments as appropriate.

(b) Refers to the location of the holding of origin. In case NUTS (2) code can not be used, region as defined in the programme by the Member State is requested

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Add a category

Total Ducks and geese	1	1	20	20		

Grand Total Poultry + Ducks/Geese	53	53	80	1 060		
Grand Total ELISA Poultry + Ducks/Geese				1 060		
Grand Total agar Poultry + Ducks/Geese				0		

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2.3 Sampling procedures, sampling periods and frequency of testing

(max. 32000 chars) :

Sampling will be carried out in accordance with the approved surveillance programme from 1 January to 31 December of the year 2014 of implementation of that programme. The inspectors of SFVS will take samples in commercial poultry farms. Authorized veterinarians will take blood samples from poultry in backyard flocks. Sampling in commercial poultry flocks and back yard poultry flocks will be sampled during spring (April-May) and autumn (September - October).

2.4 Laboratory testing : description of the laboratory tests used and follow up investigations

Description of the used serological tests : (max 32000 chars)

Serological testing

The State Food and Veterinary Service has had a serological monitoring programme for avian influenza in place since 1999. The programme is part of the Animal Health Programme, and monitors commercial breeding poultry (chickens, turkeys, ducks and geese) just before they come into lay, and when they move between sites. In addition blood samples from poultry are screened, as are commercial laying flocks prior to export.

The serological test will be the HI test.

Laboratory performs detection of avian influenza (HPAI) disease antibodies against in serum by Enzyme-linked immunosorbent assay (ELISA) and haemagglutination inhibition (HI) method, according to OIE recommendations (as described in "Manual of Diagnostic Tests and Vaccines for Terrestrial Animals 2012" Chapter 10.4).

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Detection of antibodies against highly pathogenic avian influenza (HPAI) A viruses in serum by ELISA method:

The IDEXX AI Ab Test is an enzyme-linked immunosorbent assay (ELISA) designed to detect antibody to avian influenza viruses (AI) in chicken serum. The IDEXX AI Ab Test detects antibody reactivity to 20 different subtypes, including 14 hemagglutinin glycoproteins and the H5N1 subtype. (http://www.idexx.com/view/xhtml/en_us/livestock-poultry/poultry/avian-influenza.jsf)

Detection of antibodies against highly pathogenic avian influenza (HPAI) A viruses in serum by haemagglutination inhibition (HI) method. (http://vla.defra.gov.uk/services/ser_tests.htm)

Detection of Influenza virus A subtypes H5 and H7 using one-step RT-PCR:

Laboratory performs detection of avian influenza (HPAI), according to OIE recommendations (as described in "Manual of Diagnostic Tests and Vaccines for Terrestrial Animals 2012" Chapter 10.4).

Virus isolation testing:

Virus isolation testing is carried out on all suspicious cases. All viruses isolated will be sent to the CRL, where H5 and H7 subtypes will be subjected to characterisation (IVPI and nucleotide sequencing). The CRL will provide the protocol for sending isolates to the CRL, and the reporting tables for collection of survey data.

3. Description and implementation of the surveillance programme in wild birds

3.1.1 Designation of the central authority in charge of supervising and coordinating the departments responsible for implementing the programme and relevant collaborating partners (e.g. epidemiologists, ornithologists, nature bird observation and hunter organisations).

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(max. 32000 chars) :

State Food and Veterinary Service (hereafter - SFVS) with all territorial units (in total 51) is a central authority in charge of supervising and coordinating of sampling procedure. The Animal Health and Welfare Department is responsible for the coordination and control of all territorial State Food and Veterinary Services involved in the implementation of this program. This department collects the data, performs statistical analysis and evaluation of the surveillance program and informs the relevant authorities in European Union about the progress of the control and surveillance program. The territorial SFVS have the contracts with private vets (authorized vets), which are involved in sampling. In each territorial SFVS are contracts with hunting clubs and with regional environment protection departments. Wildlife inspectors from the National Parks and Wildlife Service will participate in the sampling programme by reporting abnormal death of the bird. Ornithologists are also involved. In case they found dead wild birds they must to report to regional territorial SFVS and authorized vets or governmental veterinary inspectors take a samples and deliver to the National Food and Veterinary Risk Assessment Institute for AI testing.

3.1.2 Description and delimitation of the geographical and administrative areas in which the programme is to be applied

max. 32000 chars) :

Passive surveillance of wild birds will be implemented in a whole territory of Lithuania.

3.1.3 Estimation of the local and/or migratory wildlife population

(max. 32000 chars) :

NA

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3.2 Design, criteria, risk factors and target population⁽³⁾

(max. 32000 chars) :

Anseriformes (water fowl) and Charadriiformes (shorebirds and gulls) will be the main sampling targets to assess if they carry LPAI viruses of H5 and H7 subtypes (which would in any case also detect HPAI H5N1 and other HPAI, if present). Samples will be taken in a frame of passive surveillance. Found dead and suspected wild birds - mainly Anseriformes (water fowl) and Charadriiformes (shorebirds and gulls) will be the main sampling targets species.

⁽³⁾ *Areas at risk (wetlands in particular where links with high density poultry populations), previous positive findings as referred to in point 2 of Part 1 of Annex II to Commission Decision 2010/367/EC should be taken into account and if possible complemented by a map.*

3.2.1 WILD BIRDS focussed on target species

Investigations according to the surveillance programme set out in Part 2 of Annex II to Decision 2010/367/EC

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In case of multiannual programme, please provide targets on annual basis.
If your targets differ between different implementation years please provide separate tables per year in attachment.

NUTS (2) code/region (a)	Wild birds to be sampled (b)	Total number of birds to be sampled	Estimated total number of samples to be taken for active surveillance (c)	Estimated total number of samples to be taken for passive surveillance	
Lithuania	Wild birds moribund and found dead	20	0	20	X
Total	0	20	0	20	

Add a new row

(a) Refers to the place of collection of birds/samples. In case NUTS 2 (Nomenclature of Territorial Units for Statistics) can not be used, region as defined in the programme by the Member State is requested. Please fill-in these values directly in the field.

(b) General description of the wild birds are intended to be sampled in the framework of the active and passive surveillance.

(c) Voluntary, to be included for information purposes, not eligible for cofinancing.

3.3 Sampling procedures and sampling periods

max 32000 chars :

Samples will be taken by the official veterinarians of the territorial State Food and Veterinary Services and by the official (authorized) vets. Sampling in frame of passive surveillance in wild birds will be carried out during all period set in programme.

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3.4 Laboratory testing : description of the laboratory tests used

max 32000 chars :

Real-time RT-PCR (HA2 region of the H7 gene and N1 gene (according to VLA, 6th February, 2007), M gene and H5 gene (according to Commission decision 2006/437/EC approving Diagnostic Manual for avian influenza, Chapter VI; 4th August, 2006)) and Virus isolation test in embryonated fowls' eggs (according to Commission decision 2006/437/EC approving Diagnostic Manual for avian influenza, Chapter VIII, 4th August, 2006) will be used for monitoring of wild birds.

4. Description of the epidemiological situation of the disease in poultry during the last five years

max 32000 chars :

No cases of Avian influenza have been recorded in Lithuania.

5. Description of the epidemiological situation of the disease in wild birds during the last five years

(max. 32000 chars) :

No cases of Avian influenza have been recorded in Lithuania.

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6. Measures in place as regards the notification of the disease

(max. 32000 chars) :

"Law on Veterinary Activities" (Official Gazette, 1992, No. 2-15; 2010, No. 148-7563) - Animal owners must immediately notify to veterinarian on animal death, abortions, simultaneous affection of several animals and any case, which arise suspicions that animal are affected by infectious disease.
The Order of Director of State Food and Veterinary Service No. B1-281 of 12 April 2006 "Programme for animal contagious diseases" (Official Gazette, 2006, No. 48-1760).

7. Costs

7.1 Detailed analysis of the costs

7.1.1 Poultry

(max. 32000 chars) :

Cost of ELISA is 2,3 Euro, cost for PCR test is 45 Euro and cost for haemagglutination-inhibition-test (HI) for H5/H7 is 24 Euro.

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7.1.2 Wild birds

(max. 32000 chars) :

Cost of RT PCR is 45 Euro and cost for haemagglutination-inhibition-test (HI) for H5/H7 is 24 Euro. Cost of virus isolation test – 125 Euro.

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7.2 Summary of the annual costs : 2014

7.2.1 Poultry surveillance

Detailed analysis of the cost of the programme - poultry

*In case of multiannual programme, please provide estimations on annual basis.
If your cost estimations differ between different implementation years please provide separate tables per year in attachment.*

Laboratory testing			
Methods of laboratory analysis	Number of tests	Unitary test cost (per method) in €	Total cost (€)
ELISA test	590	2.3	1357
agar gel immune diffusion test	0	0	0
Haemagglutination-inhibition-test (HI) for H5 (specify number of tests for H5)	0	0	0
Haemagglutination-inhibition-test (HI) for H7 (specify number of tests for H7)	0	0	0
Virus isolation test	0	0	0
PCR test	30	45	1350

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Other please specify here	0	0	0	
			Add a new row	
Sampling				
	Number of samples	Unitary cost in €	Total cost (€)	
Samples	590	0.5	295	
Other measures				
	Number of samples	Unitary cost in €	Total cost (€)	
Other please specify here	0	0	0	X
			Add a new row	
Total poultry Testing + Sampling + Other measures	1 210		3 002,00 €	

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7.2.2 Wild bird surveillance

Detail analysis of the cost of the programme - wild birds

Laboratory testing			
Methods of laboratory analysis	Number of tests	Unitary test cost (per method) in €	Total cost (€)
Virus isolation test	0	0	0
PCR test	612	45	27540
Haemagglutination-inhibition-test (HI) for H5/H7	112	24	2688
Other please specify here	0	0	0
Other please specify here	0	0	0
			Add a new row
Sampling			
	Number of samples	Unitary cost in €	Total cost (€)
Samples	612	5	3060

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Other measures				
	Number	Unitary cost in €	Total cost (€)	
Other please specify here	0	0	0	X
			Add a new row	
Total wild birds Testing + Sampling + Other measures	1336		33 288,00 €	
Grand Total Poultry + Wild birds	2546		36 290,00 €	

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Attachments

IMPORTANT :

- 1) The more files you attach, the longer it takes to upload them .
- 2) This attachment files should have one of the format listed here : jpg, jpeg, tiff, tif, xls, doc, bmp, pna, pdf.
- 3) The total file size of the attached files should not exceed 2 500Kb (+- 2.5 Mb). You will receive a message while attaching when you try to load too much.
- 4) IT CAN TAKE **SEVERAL MINUTES TO UPLOAD** ALL THE ATTACHED FILES. Don't interrupt the uploading by closing the pdf and wait until you have received a Submission Number!