



ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds as referred to in Article 1(d)

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

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- 7) As mentioned during the Plenary Task Force of 28/2/2014, you are invited to submit your programmes in English.

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Submission date

Friday, September 05, 2014 14:29:45

Submission number

1409916596683-3689



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1. Identification of the programme

Member state: LATVIJA

Disease avian influenza in poultry and wild birds

This program is multi annual:

no

Request of Union co-financing
from beginning of:

2015

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1.1 Contact

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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

(max. 32000 chars) :

The Food and veterinary Service (FVS) of the Republic of Latvia is a state administrative institution headed by the CVO and supervised by the Ministry of Agriculture.

The FVS consists of the central body placed in Riga and territorial structural units (the local level) - 10 territorial offices and one city office. The central body coordinates activities of the local level and ensure a unified implementation of legislation. The local level carries out the official surveillance in accordance with the state surveillance programmes and reports to the central body. The State authorized veterinarians report to the respective local veterinary office. Food and Veterinary Service is responsible for implementation of AI surveillance programme.

2.1.2 System in place for the registration of holdings

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(max. 32000 chars):

Regulation of Cabinet of Ministers No 650, 16 August, 2011 "Order of registration of animals, herds and holdings and identification of animals" determines order of individual identification of cattle, pigs, sheep, goats and horses and registration of holdings of agricultural animals, bee gardens, fishponds, hatcheries of aquatic animals (Repealing Regulation of Cabinet of Ministers No 712, 16 December, 2003 "Order of registration of animals, herds and holdings and identification of animals"). This regulation is harmonized with Council Directives 92/100/EEC and 90/427/EEC.

All laboratory tests will be done by institute of Food Safety, Animal Health and Environment - "BIOR" which is National Reference laboratory for avian influenza in Latvia.

Sampling in commercial poultry flocks will be carried out during autumn (September-October). Backyard poultry flocks will be sampled during spring (April-May) and autumn (September -October).

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):

Predominant poultry population in the territory of Latvia is laying hens, and actually there are two poultry production types - broilers (for meat) and laying hens for egg production. Commercial poultry farms Republic of Latvia selling live poultry or their products. Total number of laying hens is slightly above two million birds.

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

(max. 32000 chars):

The samples for serological and virological investigation will be taken on the frame of the passive

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surveillance.

- (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 and chicken breeders. Traditionally, several laying hens are kept in almost each backyard holdings in Latvia and we consider that these holdings must be included in a program.

- (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

Targets for year **2015**

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	
LV007*	1	1	150	150	HI-test (H5)	X
LV007*	1	1	150	150	HI-test (H7)	X
Total				300		
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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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	
LV003*	3	3	30	30	HI-test (H5)	X
LV003*	3	3	30	30	HI-test (H7)	X
LV007*	3	3	60	60	HI-test (H5)	X
LV007*	3	3	60	60	HI-test (H7)	X
LV008*	3	3	30	30	HI-test (H5)	X
LV008*	3	3	30	30	HI-test (H7)	X
LV009*	15	15	15	300	HI-test (H5)	X
LV009*	15	15	15	300	HI-test (H7)	X
Total				840		

[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.

Category : backyard flocks

[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	
Whole territory of Latvia*	2 833	60	5	300	HI-test (H5)	X
Whole territory of Latvia*	2 833	60	5	300	HI-test (H7)	X
Total				600		
				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

Totals	Total number of tests	
Total poultry 2015	1 740	

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

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Targets for year

2015

Category : fattening 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	
LV009*	2	2	20	40	HI-test (H5)	X
LV009*	2	2	20	40	HI-test (H7)	X
Total				80		

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

Add a category

NUTS (2) (b)	Total number of tests	
Total ducks and geese 2015	80	

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TOTALS for Poultry (2.2.1) + Ducks and Geese (2.2.2) for year :

2015

Poultry +Ducks/Geese	Total number of tests
Grand Total	1 820
Grand Total ELISA	0
Grand Total agar	0
Grand Total HI tests (H5)	910
Grand Total HI tests (H7)	910
Grand Total Virus Isolation test	0
Grand Total PCR test	0
Grand Total Other test	0
Grand Total Samplings	0

2.3 Sampling procedures, sampling periods and frequency of testing

(max. 32000 chars) :

The aim of the surveillance program is to survey for avian influenza commercial and back yard flocks and holdings. Duration of program is from 1st January

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2015 till 31st December 2015.

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 for sera of all categories of poultry will be carried out. The haemagglutination – inhibition test (HI) (according to Commission decision 2006/437/EC approving Diagnostic Manual for avian influenza, Chapter VIII, 4th August, 2006) will be used.

The virological testing shall be performed on the holdings of poultry with positive serological results and/or on holdings with poultry or birds diseased or found dead (sudden deaths, increased mortality or dead birds which could have contacts with free-living birds (e.g. ZOO birds)). Cloacal and oropharyngeal swabs and/or organs shall be taken and samples shall be tested virologically. The same sort of samples from a holding shall be pooled (e.g. 5 cloacal swabs in one sample). Samples shall be tested by M-gene PCR and in case of positive result H5/H7 PCR shall be performed. In case of H5 and/or H7 positive finding analysis of the cleavage site shall be undertaken as soon as possible to determine whether or not it has a highly pathogenic avian influenza (HPAI) or a low pathogenic avian influenza (LPAI) motif and also virus isolation test on embrionated eggs shall be performed.

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

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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).

(max. 32000 chars) :

The Food and Veterinary Service (FVS) of the Republic of Latvia is a state administrative institution headed by the CVO and supervised by the Ministry of Agriculture.

The FVS consists of the central body placed in Riga and territorial structural units (the local level) – 10 territorial offices and one city office. The central body coordinates activities of the local level and ensure a unified implementation of legislation. The local level carries out the official surveillance in accordance with the state surveillance programmes and reports to the central body. The State authorised veterinarians report to the respective local veterinary office. FVS is responsible for implementation of AI surveillance programme, however good collaboration is established between FVS and ornithologists (Ornithology laboratory of Latvian University) who also reports on dead wild birds found.

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 Latvia.

3.1.3 Estimation of the local and/or migratory wildlife population

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(max. 32000 chars) :

Data is not available.

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

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

Targets for year **2015**

NUTS (2) code/region (a)	Total number of birds to be sampled	Estimated total number of samples to be taken for passive surveillance	Type of test	Number of tests	
Whole territory of Latvia*	20	0	Virus isolation test	10	X
Whole territory of Latvia*	20	0	PCR test	20	X
Whole territory of Latvia*	20	0	RT PCR for H5, H7, N1	20	X
Total					
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.

	Total number of tests
Total number of tests	50
Total Virus isolation tests	10
Total PCR tests	20
Total Other tests	20

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3.3 *Sampling procedures and sampling periods*

max 32000 chars :

The samples for serological and virological investigation will be taken on the frame of the passive surveillance.

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 embryonic 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 :

AI has not been registered in Latvia in poultry.

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

(max. 32000 chars) :

HPAI in wild birds is not registered in Latvia. In 2006 in a frame of AI surveillance program 44, in 2007- 27, in 2008 - 1 and in 2009 - 18, 2010 - 19, 2011 - 43 wild ducks were found positive to LPAI (other than H5 and H7)

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

(max. 32000 chars) :

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 (Chapter XI, Article 59, and point 8.a of the Law of Veterinary medicine).

Regulation of Cabinet of Ministers No 127, 21 February, 2012 "Regulation on registrable and notifiable infectious diseases under state control and information to be provided to the Food and Veterinary Service (Repealing Order No 241, 21.09.2001 issued by Food and Veterinary Service determines the list of diseases (including AI) immediately notified to the Central Authority of Food and Veterinary Service and FVS Order No.6, 08.01.2009.).

Regulation of Cabinet of Ministers No 405, 19 June, 2007 "Order of avian influenza prophylaxis and eradication" and FVS Order No 79, 19.07.2010. "Instruction on eradication of avian influenza"determines measures to be taken in case of AI suspicion and confirmation (in line with Council directive 2005/94/EC).

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7. Costs

7.1 Detailed analysis of the costs

7.1.1 Poultry

(max. 32000 chars) :

Cost of HI test to subtypes H5 and H7 is 12.95 Euro. Testing of one bird to H5 and H7 = 12.95 Euro.

7.1.2 Wild birds

(max. 32000 chars) :

Cost of RT PCR (M gene) – 42.39 Euro
Cost of RT PCR (H5, H7, N1) – 41.20 Euro
Cost of virus isolation test – 119.77 Euro

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7.2 Summary of the annual costs :

7.2.1 Poultry surveillance

Detailed analysis of the cost of the programme - poultry

Targets for year **2015**

Laboratory testing			
Methods of laboratory analysis	Number of tests	Indicative unitary test cost (per method) in € (*)	Total cost (€)
ELISA test	0	3.26	0
agar gel immune diffusion test	0	1.8	0
HI-Test for H5 (specify number of tests for H5)	890	9.64	8579.6
HI-Test for H7 (specify number of tests for H7)	890	9.64	8579.6
Virus isolation test	0	37.87	0
PCR test	0	19.74	0
Other test	0	0	0
Sampling			
	Number of samples	Unitary cost in € (*)	Total cost (€)

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Samples	890	1.19	1059.1	
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	2 670		18 218,30 €	

(*) as per cofinancing decision for 2014 programmes

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7.2.2 Wild bird surveillance

Detail analysis of the cost of the programme - wild birds

Targets for year **2015**

Laboratory testing			
Methods of laboratory analysis	Number of tests	Unitary test cost (per method) in € (*)	Total cost (€)
Virus isolation test	10	37.89	378.9
PCR test	20	19.74	394.8
Other cost	20	41.2	824
Delivery of wild animals			
	No of wild birds	Eligible cost in € (*)	Total cost (€)
Delivery of wild animals	20	5	100
Other measures			
	Number	Unitary cost in €	Total cost (€)

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Other please specify here	0	0	0	X
			Add a new row	
Total wild birds Testing + Delivery + Other measures	70		1 697,70 €	

(*) as per cofinancing decision for 2014 programmes

TOTALS for Poultry (7.2.1) + Ducks and Geese (7.2.2) for year :

2015

	Total Cost
Grand Total Poultry + Ducks/Geese	19 916

7.3 Co-financing rate:

The maximum co-financing rate is in general fixed at 50%. However based on provisions of Article 5.2 and 5.3 of the Common Financial Framework, we request that the co-financing rate for the reimbursement of the eligible costs would be increased:

- Up to 75% for the measures detailed below
- Up to 100% for the measures detailed below
- Not applicable

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7.4 Source of national funding

Please specify the source of the national funding:

- public funds*
- food business operators participation*
- other*

Please give details on the source of national funding (max 32000 characters)

Funding for programme implementation will be from state budget

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Attachments

IMPORTANT :

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List of all attachments

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