



## Annex IV : Programme for the surveillance of Avian Influenza in poultry and wild birds submitted for obtaining EU cofinancing

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- 7) For simplification purposes you are invited to submit **multi-annual programmes**.
- 8) As mentioned during the Plenary Task Force of 28/2/2014, you are invited to submit your programmes in **English**.

Submission Date

Friday, September 11, 2015 11:32:26

Submission Number

1441960349273-6701

# ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

## 1. Identification of the programme

Member state: LATVIJA

Disease: avian influenza in poultry and wild birds

This program is multi annual :

yes

Type of submission : New multiannual programme

Request of Union co-financing  
from beginning of:

2016

To end of

2018

# ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

## 1.1 Contact

Name : Edvins Olsevskis

Phone : + 371 67095240

Your job type within the CA : Deputy Director Veterinary Surveillance Department

Email : [Edvins.Olsevskis@pvd.gov.lv](mailto:Edvins.Olsevskis@pvd.gov.lv)

## 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.

## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

### 2.1.2 System in place for the registration of holdings

(max. 32000 chars) :

Regulation of Cabinet of Ministers No 393, 15 July, 2014 "Order to registration of agricultural and aquaculture animals, herds and holdings and identification of agriculture 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 . This regulation is harmonized with Council Directives 92/100/EEC and 90/427/EEC.

### 2.1.3 Design (risk based surveillance or surveillance based on representative sampling taking into account criteria in Annex I of Commission Decision 2010/367/EC)

(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) :

NA

## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

- (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, chicken breeders fattening ducks and geese. Suspected wild birds are included in this program in a frame of passive surveillance. 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)

## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

### 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 2016**

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
<b>Total</b>				300	
<b>Add a new row</b>					

(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.

## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

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	5	5	50	50	HI-test (H5)
LV003	5	5	50	50	HI-test (H7)
LV007	9	9	90	90	HI-test (H5)
LV007	9	9	90	90	HI-test (H7)
LV008	8	8	80	80	HI-test (H5)
LV008	8	8	80	80	HI-test (H7)
LV009	5	5	50	50	HI-test (H5)
LV009	5	5	50	50	HI-test (H7)
<b>Total</b>				540	
<b>Add a new row</b>					

(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**

## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

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	3 092	60	5	300	HI-test (H5)
Whole territory of Latvia	3 092	60	5	300	HI-test (H7)
<b>Total</b>				600	
<b>Add a new row</b>					

(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.

**Add a category**

Totals	Total number of tests
<b>Total poultry 2016</b>	1 440

*Targets for year*

**2017**



## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

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
<b>Total</b>				300	
<b>Add a new row</b>					

(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 : 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	5	5	50	50 HI-test (H5)	X
LV003	5	5	50	50 HI-test (H7)	X
LV007	9	9	90	90 HI-test (H5)	X
LV007	9	9	90	90 HI-test (H7)	X
LV008	8	8	80	80 HI-test (H5)	X

## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

LV008	8	8	80	80	HI-test (H7)	X
LV009	5	5	50	50	HI-test (H5)	X
LV009	5	5	50	50	HI-test (H7)	X
<b>Total</b>				540		
<b>Add a new row</b>						

(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

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	3 092	60	5	300	HI-test (H5)	X
Whole territory of Latvia	3 092	60	5	300	HI-test (H7)	X
<b>Total</b>				600		
<b>Add a new row</b>						

(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.

## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

**Add a category**

Totals	Total number of tests
<b>Total poultry 2017</b>	1 440

*Targets for year* **2018**

**delete this category**

Category : chicken breeders

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
<b>Total</b>				300	
<b>Add a new row</b>					

## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

(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 : 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	5	5	50	50	HI-test (H5)
LV003	5	5	50	50	HI-test (H7)
LV007	9	9	90	90	HI-test (H5)
LV007	9	9	90	90	HI-test (H7)
LV008	8	8	80	80	HI-test (H5)
LV008	8	8	80	80	HI-test (H7)
LV009	5	5	50	50	HI-test (H5)
LV009	5	5	50	50	HI-test (H7)
<b>Total</b>				540	

**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.*

## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

Category : backyard flocks

**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
Whole territory of Latvia	3 092	60	5	300	HI-test (H5)
Whole territory of Latvia	3 092	60	5	300	HI-test (H7)
<b>Total</b>				600	
<b>Add a new row</b>					

(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.

**Add a category**

Totals	Total number of tests
<b>Total poultry 2018</b>	1 440

## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

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

Targets for year **2016**

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	1	1	20	20 HI-test (H5)	X
LV009	1	1	20	20 HI-test (H7)	X
<b>Total</b>				40	
<b>Add a new row</b>					

(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

Category : fattening geese

**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
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## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

LV009	1	1	20	20	HI-test (H5)	X
LV009	1	1	20	20	HI-test (H7)	X
<b>Total</b>				40		
<b>Add a new row</b>						

(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	
<b>Total ducks and geese and farmed game birds 2016</b>	80	

*Targets for year*

**2017**

**delete this category**

*Category : fattening ducks*

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	1	1	20	20	HI-test (H5)
LV009	1	1	20	20	HI-test (H7)

## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

<b>Total</b>				40
<b>Add a new row</b>				

(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*

**delete this category**

Category : **fattening geese**

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	1	1	20	20 HI-test (H5)	X
LV009	1	1	20	20 HI-test (H7)	X
<b>Total</b>				40	
<b>Add a new row</b>					

(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**

<b>Total ducks and geese and farmed game birds 2017</b>	<b>Total number of tests</b>	80
<b>Add a new row</b>		



# ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

Targets for year

2018

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	1	1	20	20	HI-test (H5)
LV009	1	1	20	20	HI-test (H7)
<b>Total</b>				40	
<b>Add a new row</b>					

(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

Category : fattening geese

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	1	1	20	20	HI-test (H5)
LV009	1	1	20	20	HI-test (H7)
<b>Total</b>				40	
<b>Add a new row</b>					

(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

## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

**Add a category**

NUTS (2) (b)	Total number of tests
<b>Total ducks and geese and farmed game birds 2018</b>	80

*TOTALS for Poultry (2.2.1) + Ducks and Geese (2.2.2) and farmed game birds for year :*

2016

Poultry + Ducks/Geese /farmed game birds	Total number of tests
<b>Grand Total</b>	1 520
<b>Grand Total ELISA</b>	0
<b>Grand Total agar</b>	0
<b>Grand Total HI tests (H5)</b>	760
<b>Grand Total HI tests (H7)</b>	760
<b>Grand Total Virus Isolation test</b>	0
<b>Grand Total PCR test</b>	0
<b>Grand Total Other test</b>	0
<b>Grand Total Samplings</b>	0

## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

*TOTALS for Poultry (2.2.1) + Ducks and Geese (2.2.2) and farmed game birds for year :*

2017

Poultry + Ducks/Geese /farmed game birds	Total number of tests
<b>Grand Total</b>	1 520
<b>Grand Total ELISA</b>	0
<b>Grand Total agar</b>	0
<b>Grand Total HI tests (H5)</b>	760
<b>Grand Total HI tests (H7)</b>	760
<b>Grand Total Virus Isolation test</b>	0
<b>Grand Total PCR test</b>	0
<b>Grand Total Other test</b>	0
<b>Grand Total Samplings</b>	0

*TOTALS for Poultry (2.2.1) + Ducks and Geese (2.2.2) and farmed game birds for year :*

2018

Poultry + Ducks/Geese /farmed game birds	Total number of tests
<b>Grand Total</b>	1 520
<b>Grand Total ELISA</b>	0
<b>Grand Total agar</b>	0

## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

Grand Total HI tests (H5)	760
Grand Total HI tests (H7)	760
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 taking into account criteria set out in Annex I of Commission Decision 2010/367/EC

(max. 32000 chars) :

Sampling will be carried out by official veterinarians and authorized veterinarians. Samples from poultry in backyard farms will be taken in spring and autumn. Sampling in commercial poultry farms will be carried out in autumn. Passive surveillance will be carried out continuously.

### 2.4. Laboratory testing : description of the laboratory tests used and follow up investigations taking into account criteria set out in the Diagnostic Manual for avian influenza (Common Decision 2006/437/EC)

## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

*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 embryonated eggs shall be performed.

### 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).*

*(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.

## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

FVS is responsible for implementation of AI surveillance programme, however good collaboration is established between FVS and ornithologists (Ornitology 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

*(max. 32000 chars) :*

Data is not available.

## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

### 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.

Nesting birds in Latvia of the order Anseriformes (couples, very rare species are not included):

Species (in Latin)	Min.	Max.
Anas acuta	30	50
Anas clypeata	200	400
Anas crecca	2000	5000
Anas penelope	100	200
Anas platyrhynchos	40000	60000
Anas querquedula	1000	2000
Anas strepera	200	300
Aythya ferina	1500	2000
Aythya fuligula	800	1200
Bucephala clangula	300	600
Mergus merganser	100	150
Cygnus olor	600	800
Cygnus cygnus	50	100

Sources:

- 1) Viksne J., Svazas S., Czajkowski A., Janaus M., Mischenko A., Kozulin A., Kuresoo A., Serebryakov V. 2010. Atlas of Duck Populations in Eastern Europe. Akstis, Vilnius. 199 p.
- 2) Latvian Ornithological Society 1999. Latvijas ūdeņu putni. Riga. 208 p.

## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

3) Unpublished data of Institute of Biology of the University of Latvia and unpublished data of the Latvian Ornithological Society.

(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 focused on target species

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

*Targets for year*

**2016**

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	5	5	Virus isolation test	5
Whole territory of Latvia	20	20	PCR test	20
Whole territory of Latvia	5	5	RT PCR for H5, H7, N1	15
<b>Total</b>				
<b>Add a new row</b>				



## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

(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.

	Total number of tests
<b>Total number of tests</b>	40
<b>Total Virus isolation tests</b>	5
<b>Total PCR tests</b>	20
<b>Total Other tests</b>	15

### Targets for year

**2017**

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	5	5	Virus isolation test	5
Whole territory of Latvia	20	20	PCR test	20
Whole territory of Latvia	5	5	5 RT PCR for H5, H7, N1	15
<b>Total</b>				
<b>Add a new row</b>				

(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.

## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

	Total number of tests
<b>Total number of tests</b>	40
<b>Total Virus isolation tests</b>	5
<b>Total PCR tests</b>	20
<b>Total Other tests</b>	15

### Targets for year **2018**

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	5	5	Virus isolation test	5
Whole territory of Latvia	20	20	PCR test	20
Whole territory of Latvia	5	5	5 RT PCR for H5, H7, N1	15
<b>Total</b>				
<b>Add a new row</b>				

(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.

## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

	Total number of tests
<b>Total number of tests</b>	40
<b>Total Virus isolation tests</b>	5
<b>Total PCR tests</b>	20
<b>Total Other tests</b>	15

### 3.3 Sampling procedures and sampling periods

*max 32000 chars :*

The samples for serological and virological investigation will be taken by official and authorized vets in a frame of the passive surveillance in the whole territory of Latvia during the time while program will be in force.

### 3.4 Laboratory testing : description of the laboratory tests used taking into account criteria set out in the Diagnostic Manual for avian influenza (Commission Decision 2006/437/EC)

*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.

## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

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

*(max 32000 chars :*

In the frame of AI surveillance programme number of poultry were tested following: 2010 - 1441, 2011 - 1435, 2012 - 1379, 2013 - 1227, 2014 - 1353. Avian Influenza has never been detected in poultry in Latvia.

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

*(max. 32000 chars) :*

In the frame of AI surveillance programme number of wild birds were tested following: 2010 - 500, 2011 - 3, 2012 - 0, 2013 - 2, 2014 - 12. HPAI and LPAI viruses of H5 and H7 subtypes have never been detected.

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

## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

*(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).

## 7. Costs

### 7.1 Detailed analysis of the costs

#### 7.1.1 Poultry including ducks, geese and farmed game birds

*(max. 32000 chars) :*

Cost of HI test to subtypes H5 and H7 is 13.03 Euro.  
Testing of one bird to H5 and H7 = 13.03 Euro.

## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

### 7.1.2 Wild birds

*(max. 32000 chars) :*

Cost of RT PCR (M gene) – 42.39 Euro  
Cost of RT PCR (H5, H7, N1) – 41.19 Euro  
Cost of virus isolation test – 119.77 Euro



## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

Samples	0	1.19	0
<b>Other measures</b>			
Other please specify here - Sampling	760	1.19	904,4
			<b>X</b>
			<b>Add a new row</b>
<b>Total poultry, duck, geese, farmed game birds Testing + Sampling + Other measures</b>			15 557,20 €

(\*) as per cofinancing decision for 2014 programmes

### Targets for year 2017

<b>Laboratory testing</b>			
Methods of laboratory analysis			
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)	760	9.64	7326.4
HI-Test for H7 (specify number of tests for H7)	760	9.64	7326.4
Virus isolation test	0	37.88	0
PCR test	0	19.74	0



## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

Other test	0	0	0	
<b>Sampling</b>				
Samples	Number of samples	Unitary cost in € (*)	Total cost (€)	
	0	1.19	0	
<b>Other measures</b>				
Other please specify here -Sampling	Number of samples	Unitary cost in €	Total cost (€)	
	760	1.19	904,4	<b>X</b>
				<b>Add a new row</b>
<b>Total poultry, duck, geese, farmed game birds Testing + Sampling + Other measures</b>			15 557,20 €	

(\*) as per cofinancing decision for 2014 programmes

### Targets for year 2018

<b>Laboratory testing</b>				
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	

## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

HI-Test for H5 (specify number of tests for H5)	760	9.64	7326.4
HI-Test for H7 (specify number of tests for H7)	760	9.64	7326.4
Virus isolation test	0	37.88	0
PCR test	0	19.74	0
Other test	0	0	0
<b>Sampling</b>			
	Number of samples	Unitary cost in € (*)	Total cost (€)
Samples	0	1.19	0
<b>Other measures</b>			
	Number of samples	Unitary cost in €	Total cost (€)
Other please specify here -Sampling	760	1.19	904,4
			<b>Add a new row</b>
<b>Total poultry, duck, geese, farmed game birds Testing + Sampling + Other measures</b>			15 557,20 €

(\*) as per cofinancing decision for 2014 programmes

## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

### 7.2.2 Wild bird surveillance

#### Detail analysis of the cost of the programme - wild birds

#### Targets for year **2016**

Laboratory testing				
Methods of laboratory analysis	Number of tests	Unitary test cost (per method) in € (*)	Total cost (€)	
Virus isolation test	5	37.88	189.4	
PCR test	20	19.74	394.8	
Other cost	15	41.19	617.85	
Delivery of wild animals				
Delivery of wild animals	No of wild birds	Eligible cost in € (*)	Total cost (€)	
	20	10	200	
Other measures				
Other measures	Number	Unitary cost in €	Total cost (€)	

## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

	0	0	0	X
				Add a new row
<b>Total wild birds Testing + Delivery + Other measures</b>			1 402,05 €	

(\*) as per cofinancing decision for 2014 programmes

### Targets for year 2017

Laboratory testing				
Methods of laboratory analysis	Number of tests	Unitary test cost (per method) in €(*)	Total cost (€)	
Virus isolation test	5	37.88	189.4	
PCR test	20	19.74	394.8	
Other cost	15	41.19	617.85	
Delivery of wild animals				
No of wild birds	Eligible cost in €(*)	Total cost (€)		
20	10	200		

## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

Other measures	Number	Unitary cost in €	Total cost (€)
-	0	0	0
<b>Add a new row</b>			
<b>Total wild birds Testing + Delivery + Other measures</b>			
			1 402,05 €

(\*) as per cofinancing decision for 2014 programmes

### Targets for year **2018**

Laboratory testing	Number of tests	Unitary test cost (per method) in €(*)	Total cost (€)
Methods of laboratory analysis			
Virus isolation test	5	37.88	189.4
PCR test	20	19.74	394.8
Other cost	15	41.19	617.85
<b>Delivery of wild animals</b>			
	No of wild birds	Eligible cost in €(*)	Total cost (€)
Delivery of wild animals	20	10	200

## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

Other measures				
	Number	Unitary cost in €	Total cost (€)	
-	0	0	0	X
			<b>Add a new row</b>	
<b>Testing + Delivery + Other measures</b>				
			1 402,05 €	

(\*) as per cofinancing decision for 2014 programmes

TOTALS for Poultry, duck, geese, farmed game birds (7.2.1) + WILD BIRDS (7.2.2) for year:

2016

	Total Cost
<b>Grand Total Poultry, Ducks/Geese/Farmed game birds + WILD BIRDS</b>	16959,25

TOTALS for Poultry, duck, geese, farmed game birds (7.2.1) + WILD BIRDS (7.2.2) for year:

2017

	Total Cost
<b>Grand Total Poultry, Ducks/Geese/Farmed game birds + WILD BIRDS</b>	16959,25

## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

TOTALS for Poultry, duck, geese, farmed game birds (7.2.1) + WILD BIRDS (7.2.2) for year :

	2018
<b>Grand Total Poultry, Ducks/Geese/Farmed game birds + WILD BIRDS</b>	<b>16959,25</b>

### C. Financial information

#### 1. Identification of the implementing entities - financial circuits/flows

Identify and describe the entities which will be in charge of implementing the eligible measures planned in this programme which costs will constitute the reimbursement/payment claim to the EU. Describe the financial flows/circuits followed.

Each of the following paragraphs (from a to e) shall be filled out if EU cofinancing is requested for the related measure.

- a) Implementing entities - **sampling**: who perform the official sampling? Who pays? (e.g. authorised private vets perform the sampling and are paid by the regional veterinary services (state budget); sampling equipment is provided by the private laboratory testing the samples which includes the price in the invoice which is paid by the local state veterinary services (state budget))

(max. 32000 chars) :

a) Official sampling will be performed by the FVS State veterinary inspectors and covered from the state budget. Equipment for official sampling will be

## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

provided by Food and veterinary service (State budget).

- b) Implementing entities - **testing**: who performs the testing of the official samples? Who pays? (e.g. regional public laboratories perform the testing of official samples and costs related to this testing are entirely paid by the state budget)

(max. 32000 chars) :

b) Official samples will be tested in the National Reference Laboratory - hereafter "BIOR". Expenditure of testing of official samples is funded from state budget.

- c) Implementing entities - **compensation**: who performs the compensation? Who pays? (e.g. compensation is paid by the central level of the state veterinary services, or compensation is paid by an insurance fund fed by compulsory farmers contribution)

(max. 32000 chars) :

c) Expenditure of official actions and compensation in case of disease eradication measures is funded from state budget. In Latvia administration of compensation system for losses of the outbreaks of infectious disease is in competence of state administration institution - Rural Support Service. Decision on payment of compensations to animal owner is usually taken within 10 days after introduction of request by animal owner. Since the positive decision is taken by the Rural Support Service, process of payment is initiated and animal owner receives money after application dossier has been agreed by the Ministry of Finances and approved by the Cabinet of Ministers. Compensations are paid according to requirements of Regulation of Cabinet of Ministers No 177 (15 March 2005) "Procedure according to which compensations are given, or animal owner receive compensations for losses which have arose due to eradication of epizootics or other animal infectious diseases".



## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

d) Implementing entities - **vaccination** : who provides the vaccine and who performs the vaccination? Who pays the vaccine? Who pays the vaccinator?  
(e.g. farmers buy their vaccine to the private vets, send the paid invoices to the local state veterinary services which reimburse the farmers of the full amount and the vaccinator is paid by the regional state veterinary services)

*(max. 32000 chars) :*

Due to actual requirements vaccination against AI is not allowed.

e) Implementing entities - **other essential measures**: who implement this measure? Who provide the equipment/service? Who pays?

*(max. 32000 chars) :*

Expenditure of official actions in case of disease ( AI) eradication measures will be funded from state budget.

## ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

### 2 Co-financing rate (see provisions of applicable Work Programme)

*The maximum co-financing rate is in general fixed at 50%. However based on provisions of Article 5.2 and 5.3 of the Regulation (EU) No 652/2014, 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

*Please explain for which measures and why co-financing rate should be increased to 75% (max 32000 characters)*

For Latvia the gross national income per inhabitant based on the latest Eurostat data is less than 90 % of the Union average.

### 3. Source of funding of eligible measures

All eligible measures for which cofinancing is requested and reimbursement will be claimed are financed by public funds.

**yes**

**no**

# ANNEX 4 : Standard requirements for the submission of surveillance programmes for avian influenza in poultry and wild birds

## 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, xlsx, doc, docx, ppt, pptx, 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!**
- 5) Only use letters from a-z and numbers from 1-10 in the attachment names, otherwise the submission of the data will not work.

## List of all attachments

	Attachment name	File will be saved as (only a-z and 0-9 and -_ ) :	File size
		Total size of attachments :	No attachment