



EUROPEAN COMMISSION  
HEALTH AND CONSUMERS DIRECTORATE-GENERAL

Director General

SANCO/10237/2014

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

## **Survey programme for Avian Influenza**

**Finland**

**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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Tuesday, April 30, 2013 17:00:45

**1367334046480-2394**

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## 1. Identification of the programme

Member state : SUOMI / FINLAND

Disease : avian influenza in poultry and wild birds

Request of Union co-financing  
for the period :

FROM

2014

TO

2014

### 1.1 Contact

Name : Katri Levonen

Phone : +358407233887

Fax. : +358916053338

Email : katri.levonen@mmm.fi

## 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) :

The objective and general requirements are in accordance with Article 4(1) of Directive 2005/94/EC , Commission decision 2008/425/EC laying down standard requirements for the submission by Member States of national programmes for the eradication, control and monitoring of certain animal diseases and zoonoses for Community financing and the criteria shall be those described in the Commission Decision on the implementation by Member States of surveillance programmes for avian influenza in poultry and wild birds 2010/367/EU.

The Central Authority in charge of supervising coordinating the departments responsible for implementing the programme is the Ministry of Agriculture and Forestry, Department of Food. Also the Unit of Animal Health and Welfare of the Control Department of the Finnish Food Safety Authority Evira is in charge of supervising and coordinating the Programme and reporting to the Ministry of Agriculture and Forestry.

The Veterinary Virology Research Unit of the Research and laboratory department of the Finnish Food Safety Authority Evira is in charge of performing the laboratory assays. Eventually the commission reference laboratory Waybridge is consulted.

Regional State Administrative Agencies are responsible for the local coordination of the programme.

Local official veterinarians are taking the samples from birds which are sampled at farms. Meat-inspection veterinarians working for the Control Department of the Finnish Food Safety Authority Evira are taking the samples at slaughterhouses.

## 2.1.2 System in place for the registration of holdings

(max. 32000 chars) :

Poultry holdings must be registered in accordance with the Decree of Ministry of Agriculture and Forestry 867/2010. The Finnish Food safety Authority Evira is holding the register.

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

(max. 32000 chars) :

Risk-based sampling is in place targeting production types, which have more risk for AI (e.g. duck and

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geese holdings and birds intended for re-stocking of supplies of game birds), and geographical areas, where population densities are at highest (south-western part of Finland). The total number of holdings to be sampled in Finland in 2014 for avian influenza will be 194. The total number of samples to be taken from these farms will be 2020 - 2705 depending on the number of sheds per farm at the time of sampling.

60 holdings with laying hens  
42 holdings with chicken breeders  
35 holdings with free range hens for organic production  
35 holdings with turkey  
8 holdings with ducks and/or geese  
11 holdings with farmed feathered game  
3 holdings with ostriches

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

(max. 32000 chars):

The poultry business in Finland is concentrated in the province of Western Finland. However, the aim is to include farms also from other parts of the country. The latest available numbers of farms from IACS (Integrated Administration and Control System) are used for calculations.

*Gallus gallus*: Broiler production flocks are excluded from the survey due to their short life span.

There are 453 layer hen farms with more than 100 hens in the IACS data. There are 65 breeding flocks (chicken breeders) and 39 flocks with free range hens for organic production.

The total number of commercial turkey holdings including both breeders and producers is 48. From these farms, 35 will be randomly selected but taking into consideration their geographical distribution (Annex IV). Samples are collected at slaughterhouses.

There are 8 farms with at least 40 ducks and/or geese in Finland. All of these farms will be included in the survey. 20 blood samples will be taken for serological testing from each holding. Samples are taken at slaughter or by municipal veterinary officer on farm.

There are 11 farms with pheasants in the IACS data. All of these farms will be included in the survey.

There are no large-scale (> 100 animals) ostrich or emu farms in Finland. There are 3 farms with at least 10 ostriches in Finland according to the IACS data. These farms will be included in the survey by sampling ostriches at slaughter.

The number of quail, guinea fowl and feathered game farms is not significant in Finland.

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

(max. 32000 chars) :

Gallus gallus: Sampling design and types of production: In total 60 farms with laying hens will be randomly selected from the register. Of the 65 breeding farms, 42 will be randomly selected. Of the 39 holdings with free range hens for organic production, 35 will be randomly selected.

Samples will be taken by municipal veterinary officer on farms except samples from broiler breeding flocks are collected at slaughterhouses.

Gallus gallus. Number of samples: The average size of the selected farms is 7600 hens. Five samples from each shed and 10 samples per farm as a minimum will be collected to ensure 95 % probability of identifying at least one positive bird if the prevalence of seropositive birds is  $\geq 30\%$ .

Turkeys: The total number of commercial turkey holdings including both breeders and producers is 48. From these farms, 35 will be randomly selected but taking into consideration their geographical distribution (Annex IV). Samples are collected at slaughterhouses.

Number of samples

The average size of turkey farms is 6 400 birds. Five samples from each shed and 10 samples as a minimum per farm will be collected to ensure 95 % probability of identifying at least one positive bird if the prevalence of seropositive birds is  $\geq 30\%$ .

Ducks (incl. mallards) and geese: There are 8 farms with at least 40 ducks and/or geese in Finland. All of these farms will be included in the survey. 20 blood samples will be taken for serological testing from each holding. Samples are taken at slaughter or by municipal veterinary officer on farm.

Pheasants: There are 11 farms with at least 40 pheasants in the IACS data. All of these farms will be included in the survey.

Ratites: There are no large-scale ( $> 100$  animals) ostrich or emu farms in Finland. There are 3 farms with at least 10 ostriches in Finland according to the IACS data. These farms will be included in the survey by sampling ostriches at slaughter.

Other types of poultry: the number of quail, guinea fowl and feathered game farms is not significant in Finland.

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- (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) :

Gallus gallus: In total 60 farms with laying hens will be randomly selected from the register. Of the 65 breeding farms, 42 will be randomly selected.

Of the 39 holdings with free range hens for organic production, 35 will be randomly selected. The average size of the selected farms is 7600 hens.

Turkeys: The total number of commercial turkey holdings including both breeders and producers is 48. The average size of turkey farms is 6 400 birds.

Ducks (incl. mallards) and geese: There are 8 farms with at least 40 ducks and/or geese in Finland. All of these farms will be included in the survey.

Pheasants: There are 11 farms with at least 40 pheasants in the IACS data. All of these farms will be included in the survey.

Ratites: There are no large-scale (> 100 animals) ostrich or emu farms in Finland. There are 3 farms with at least 10 ostriches in Finland according to the IACS data. These farms will be included in the survey by sampling ostriches at slaughter.

Other types of poultry: the number of quail, guinea fowl and feathered game farms is not significant in Finland.

- (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 <sup>(a)</sup> (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	
F11B	14	2	10	40	Haemagglutination-inhibition-test (HI)	X
F11C	242	33	10	660	Haemagglutination-inhibition-test (HI)	X
F119	156	15	10	300	Haemagglutination-inhibition-test (HI)	X
F11D	40	10	10	200	Haemagglutination-inhibition-test (HI)	X
F120	1	0	10	0	Haemagglutination-inhibition-test (HI)	X
<b>Total</b>	453	60	50	1 200		



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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.

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	
F1C	37	24	10	480	Haemagglutination-inhibition-test (HI)	X
F19	27	17	10	340	Haemagglutination-inhibition-test (HI)	X
F1D	1	1	10	20	Haemagglutination-inhibition-test (HI)	X
<b>Total</b>	65	42	30	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.

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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 : free range 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	
F1B	2	2	10	40	Haemagglutination-inhibition-test (HI)	X
F1C	13	12	10	240	Haemagglutination-inhibition-test (HI)	X
F19	15	14	10	280	Haemagglutination-inhibition-test (HI)	X
F1D	9	7	10	140	Haemagglutination-inhibition-test (HI)	X
<b>Total</b>	39	35	40	700		

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 : fattening turkeys

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	
F1C	13	10	10	200	Haemagglutination-inhibition-test (HI)	X
F19	33	24	10	480	Haemagglutination-inhibition-test (HI)	X
F1D	2	1	10	20	Haemagglutination-inhibition-test (HI)	X
<b>Total</b>	48	35	30	700		

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.

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.

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Category : ratites

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	
FI1C	1	1	10	20	Haemagglutination-inhibition-test (HI)	X
FI19	1	1	10	20	Haemagglutination-inhibition-test (HI)	X
FI1D	1	1	10	20	Haemagglutination-inhibition-test (HI)	X
<b>Total</b>	3	3	30	60		
					<b>Add a new row</b>	
<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


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<b>Total Poultry</b>	608	175	180	3 500		

### 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 : 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	
F11B	1	1	20	40	Haemagglutination-inhibition-test (HI)	<b>X</b>
F11C	1	1	20	40	Haemagglutination-inhibition-test (HI)	<b>X</b>

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F119	1	1	20	40	Haemagglutination-inhibition-test (HI)	X
F11D	5	5	20	200	Haemagglutination-inhibition-test (HI)	X
<b>Total</b>	8	8	80	320		
				<b>Add a new row</b>		
<p>(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</p>						

Category : farmed game (waterfowl e.g. mallards)

**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	
F11B	1	1	10	20	Haemagglutination-inhibition-test (HI)	X
F11C	4	4	10	80	Haemagglutination-inhibition-test (HI)	X
F119	1	1	10	20	Haemagglutination-inhibition-test (HI)	X
F11D	5	5	10	200	Haemagglutination-inhibition-test (HI)	X
<b>Total</b>	11	11	40	320		
				<b>Add a new row</b>		

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- (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</b>	19	19	120	640		

<b>Grand Total Poultry + Ducks/Gueese</b>	627	194	300	4 140		
<b>Grand Total ELISA Poultry + Ducks/Gueese</b>				0		
<b>Grand Total agar Poultry + Ducks/Gueese</b>				0		

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### 2.3 Sampling procedures, sampling periods and frequency of testing

(max. 32000 chars) :

#### Gallus gallus

Broiler production flocks are excluded from the survey due to their short life span.

Sampling design and types of production: In total 60 farms with laying hens will be randomly selected from the register. Of the 65 breeding farms, 42 will be randomly selected. Of the 39 holdings with free range hens for organic production, 35 will be randomly selected. Samples will be taken by municipal veterinary officer on farms except samples from broiler breeding flocks are collected at slaughterhouses.

Number of samples: The average size of the selected farms is 7600 hens. Five samples from each shed and 10 samples per farm as a minimum will be collected to ensure 95 % probability of identifying at least one positive bird if the prevalence of seropositive birds is  $\geq 30\%$ . samples are collected once a year.

#### Turkeys: Sampling design and types of production

The total number of commercial turkey holdings including both breeders and producers is 48. From these farms, 35 will be randomly selected but taking into consideration their geographical distribution (Annex IV). Samples are collected at slaughterhouses.

Number of samples: The average size of turkey farms is 6 400 birds. Five samples from each shed and 10 samples as a minimum per farm will be collected to ensure 95 % probability of identifying at least one positive bird if the prevalence of seropositive birds is  $\geq 30\%$ . samples are collected once a year.

Ducks (incl. mallards) and geese: There are 8 farms with at least 40 ducks and/or geese in Finland. All of these farms will be included in the survey. 20 blood



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samples will be taken for serological testing from each holding. Samples are taken at slaughter or by municipal veterinary officer on farm. Samples are taken once a year.

Pheasants: There are 11 farms with at least 40 pheasants in the IACS data. All of these farms will be included in the survey. Samples are taken once a year.

Ratites: There are no large-scale (> 100 animals) ostrich or emu farms in Finland. There are 3 farms with at least 10 ostriches in Finland according to the IACS data. These farms will be included in the survey by sampling ostriches at slaughter. samples are taken once a year.

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

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

The surveillance in poultry shall be carried out by haemagglutination-inhibition (HI) test for H5- and H7- subtypes in accordance with the EU diagnostic manual for avian influenza.

The laboratory responsible for the testing is the Finnish Food Safety Authority Evira.

In case of positive samples official veterinarian is collecting new samples on farms for virological testing. The farm is also investigated for signs of HPAI including production losses.

## 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 Ministry of Agriculture and Forestry and the Control Department of the Finnish Food Safety Authority Evira as prescribed earlier. Finnish Game and Fisheries Research Institute is consulted in population matters.

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

max. 32000 chars) :

In principle the sampling covers the whole country. It is difficult to anticipate where the dead birds are found but based on previous experience most samples come from coastal areas in particular Uusimaa (F118) and Oulu (F11A2).

The Production Animal and Wildlife Health Research Unit of Evira in the city of Oulu takes samples for AI testing from individual autopsied wild birds when needed. In addition, instructions for estimating the need for sampling for AI in mass deaths of wild birds have been sent to the provincial veterinary officers as well as other parties. Cloacal and/or oropharyngeal swabs as well as organ samples will be taken from these birds and sent to Evira (Helsinki) for virological investigation.

**3.1.3** *Estimation of the local and/or migratory wildlife population*

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(max. 32000 chars) :

The estimated size of migratory wild bird population in Finland is 80 million birds and the local population is 20 million birds.

### 3.2 Design, criteria, risk factors and target population<sup>(3)</sup>

(max. 32000 chars) :

The sampling covers birds found dead of susceptible species (gulls, water fowl and predators).

The Fish and Wildlife Health Unit of Evira in the city of Oulu takes samples for AI testing from individual autopsied wild birds when needed. In addition, instructions for estimating the need for sampling for AI in mass deaths of wild birds have been sent to the provincial veterinary officers as well as other parties. At least cloacal swabs and oropharyngeal samples as well as organ samples will be taken from these birds and sent to Evira (Helsinki) for virological investigation.

- <sup>(3)</sup> *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

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	
F113	20	20	0	20	X
F118	40	40	0	40	X
F119	20	20	0	20	X
F11A	15	15	0	15	X
F120	5	5	0	5	X
<b>Total</b>	100	100	0	100	
<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.

(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.

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### 3.3 Sampling procedures and sampling periods

max 32000 chars :

The Finnish Food Safety Authority Evira is responsible for the implementation of the avian influenza surveillance programme for poultry in Finland. The sampling procedure is in accordance with the Diagnostic Manual. In pasive surveillance the fish and wildlife unit of Evira in the city of Oulu takes samples from individual autopsied birds when needed. The samples are sent to the Evira central laboratory in Helsinki for virological testing.

### 3.4 Laboratory testing : description of the laboratory tests used

max 32000 chars :

The virological surveillance in wild birds will be carried out individually by M-gene RT-PCR in accordance with the diagnostic manual. In case of a positive finding H5- and H7-RT- PCR's and subsequent sequence analysis of the cleavage site are undertaken. Virus isolation may be needed in some cases. The laboratory responsible for the testing is the Finnish Food Safety Authority Evira.

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

max 32000 chars :

Highly pathogenic avian influenza has never been detected in poultry in Finland. H5 antibodies were detected on one geese holding in 2011 and 2012, but the virus could not be found.

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

(max. 32000 chars) :

Highly pathogenic avian influenza in wild birds has never been detected in Finland. Only low pathogenic strains of the virus have been detected in some wild birds.

Highly pathogenic avian influenza has never been detected in wild birds in Finland. Only low pathogenic strains of the virus have been detected in some wild birds.

Year Number of wild birds examined Positive samples (PCR/virus isolation)

2007	777	14/13
2008	437	21/15
2009	384	23/18
2010	354	16/16
2011	84	0/0
2012	285	1/1

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

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(max. 32000 chars) :

Avian influenza is a compulsorily notifiable disease in Finland according to the Act on animal diseases (55/1980). Avian influenza is classified as an easily spreading animal disease according to Decision No 1346/1995, 28 November 1995. Owners and keepers of animals are under an obligation to immediately inform a veterinarian if they detect any signs of avian influenza. All veterinarians must inform official veterinarian immediately if avian influenza is suspected. Municipal veterinary officer must inform provincial veterinary officer and provincial veterinary officer must inform Finnish Food Safety Authority Evira. Notifications shall be made immediately. Official veterinarians must take immediate steps to ensure the diagnosis and prevent spreading of the disease. The animal holding is placed under restrictions.

### 7. Costs

#### 7.1 Detailed analysis of the costs

##### 7.1.1 Poultry

(max. 32000 chars) :

As the number of samples to be taken will depend on the number of sheds per farm, the maximum number of samples are described. Costs of sampling are not included. The unit cost of analysis for the HI test is 4.97 euros and for PCR it is 14.59 euros. The cost of virus isolation in eggs is 71.42 euros. The costs of analysis include costs of reagents and laboratory personnel costs. The estimated number of PCR and virus isolation for confirmation is 40.

##### 7.1.2 Wild birds

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(max. 32000 chars) :

A total of 100 birds (200 samples) will be analysed. The unit cost of analysis for PCR is 14.59 euros. The cost of virus isolation in eggs is 71.42 euros. The costs of analysis include costs of reagents and laboratory personnel costs. The estimated number of confirmatory testing is 30.



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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	0	0	0
agar gel immune diffusion test	0	0	0
Haemagglutination-inhibition-test (HI) for H5 (specify number of tests for H5)	2 005	4.97	9964.85
Haemagglutination-inhibition-test (HI) for H7 (specify number of tests for H7)	2 005	4.97	9964.85
Virus isolation test	40	71.42	2856.8
PCR test	40	14.9	596

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Other please specify here	0	0	0	
			<b>Add a new row</b>	
<b>Sampling</b>				
	Number of samples	Unitary cost in €	Total cost (€)	
Samples	0	0	0	
<b>Other measures</b>				
	Number of samples	Unitary cost in €	Total cost (€)	
Other please specify here	0	0	0	<b>X</b>
			<b>Add a new row</b>	
<b>Total poultry Testing + Sampling + Other measures</b>	4 090		23 382,50 €	

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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	40	71.42	2856.8
PCR test	240	14.59	3501.6
Other please specify here	0	0	0
			<b>Add a new row</b>
Sampling			
	Number of samples	Unitary cost in €	Total cost (€)
Samples	0	0	0
Other measures			

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	Number	Unitary cost in €	Total cost (€)	
Other please specify here	0	0	0	X
			<b>Add a new row</b>	
<b>Total wild birds Testing + Sampling + Other measures</b>	280		6 358,40 €	
<b>Grand Total Poultry + Wild birds</b>	4370		29 740,90 €	

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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!