



EUROPEAN COMMISSION  
HEALTH AND CONSUMERS DIRECTORATE-GENERAL

Director General

SANCO/10262/2014

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

## **Survey programme for Avian Influenza**

**Luxembourg**

**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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# Adobe Reader version 8.1.3

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

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Thursday, October 17, 2013 11:04:11

**1382000652711-2724**

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## 1. Identification of the programme

Member state : LUXEMBOURG (GRAND-DUCHE)

Disease : avian influenza in poultry and wild birds

Request of Union co-financing  
for the period :

FROM

2014

TO

2014

### 1.1 Contact

Name : Dr. Felix Wildschütz

Phone : 00352 24782539

Fax. : 00352 407545

Email : felix.wildschutz@asv.etat.lu

## 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) :

1. Déterminer l'incidence des infections provoquées par le virus de l'influenza aviaire des sous-types H5 et H7 chez les différentes espèces de volailles.
2. Poursuivre la surveillance de l'influenza aviaire chez les oiseaux sauvages aux fins de la détection précoce des souches d'influenza aviaire susceptibles d'être introduites par les animaux sauvages dans les troupeaux de volailles.
3. Contribuer à la connaissance des menaces de l'influenza aviaire que ces infections provenant de populations d'animaux sauvages peuvent constituer pour la santé animale.
4. Favoriser l'interconnexion et l'intégration des réseaux de surveillance de l'influenza chez l'homme et chez l'animal.

## 2.1.2 System in place for the registration of holdings

(max. 32000 chars) :

Les exploitations de volailles sont enregistrées à l'Administration des Services Vétérinaires en application de la Directive 2002/4/CE de la Commission concernant l'enregistrement des établissements d'élevage de poules pondeuses et de poulets de chair.

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

(max. 32000 chars) :

L'échantillonnage est basé sur la surveillance.  
Les 9 grandes exploitations de poules pondeuses ainsi que les 5 exploitations de poulets de chair sont toutes examinées une fois par an.  
Il n'y a pas d'élevage de dindes, de canards et d'oies au Luxembourg;  
Il y a un élevage de ratites au Luxembourg, qui sera pris en considération dans le programme.

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

(max. 32000 chars) :

Il existe au Luxembourg 9 exploitations de poules pondeuses qui détiennent en tout 87 300 oiseaux. Ces 9 exploitations détiennent plus de 1000 poules pondeuses chacune.

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Il y a 5 exploitations de poulets de chair. Ces 5 exploitations produisent 95 000 poulets de chair par an. Il y a une exploitation de ratites. L'échantillonnage se fait au niveau de ces exploitations qui représentent 99 % des volailles élevées au Grand-duché de Luxembourg.

## 2.1.3.2 Criteria and risk factors for risk based surveillance<sup>(1)</sup>

(max. 32000 chars) :

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<sup>(1)</sup> 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 <sup>(2)</sup>

(max. 32000 chars) :

- poules pondeuses,  
- poules pondeuses de libre parcours,  
- poulets de chair produits en libre parcours en nombre important et qui par le fait du libre parcours considérés comme davantage exposés à une contamination par l'influenza aviaire,  
- ratites

<sup>(2)</sup> 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 : broilers (only when at risk)

**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	
tout le pays	50	5	20	200	Haemagglutination-inhibition-test (HI)	X
tout le pays	50	1	2	2	Virus isolation test	X
<b>Total</b>	100	6	22	202		
				<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 (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 : 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	
tout le pays	25	5	20	200	Haemagglutination-inhibition-test (HI)	X
tout le pays	25	1	2	2	Virus isolation test	X
<b>Total</b>	50	6	22	202		

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	
tout le pays	250	4	20	160	Haemagglutination-inhibition-test (HI)	X
tout le pays	250	4	2	8	Virus isolation test	X
<b>Total</b>	500	8	22	168		
				Add a new row		
<p>(a) Holdings or herds or flocks or establishments as appropriate.                      (b) Refers to the location of the holding of origin. In case NUTS (Nomenclature of Territorial Units for Statistics) can not be used, region as defined in the programme by the Member States is requested                      (c) Total number of holdings of one category of poultry in concerned NUTS 2 region.</p>						

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

Category : ratites

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	
tout le pays	1	1	175	350	Haemagglutination-inhibition-test (HI)	X
tout le pays	1	1	5	5	Virus isolation test	X
<b>Total</b>	2	2	180	355		
				<a href="#">Add a new row</a>		
<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](#)

<b>Total Poultry</b>	652	22	246	927		

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

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

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

Category : ducks, geese, and mallard holdings

**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	
tout le pays	0	0	0	0	Haemagglutination-inhibition-test (HI)	<b>X</b>
<b>Total</b>	0	0	0	0		
<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

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Add a category

<b>Total Ducks and geese</b>	0	0	0	0		

<b>Grand Total Poultry + Ducks/Geese</b>	652	22	246	927		
<b>Grand Total ELISA Poultry + Ducks/Geese</b>				0		
<b>Grand Total agar Poultry + Ducks/Geese</b>				0		

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

(max. 32000 chars) :

une fois par an dans les exploitations (dans ces exploitations, il n'y a qu'une seule espèce de volailles):

- une période de tests au printemps lors de la migration des oiseaux sauvages, en ce qui concerne les poulets de chair et les poules pondeuses; (80 échantillons pris dans 4 exploitations de poules pondeuses par un vétérinaire officiel)
- une période de tests en automne lors de la migration des oiseaux sauvages, en ce qui concerne les poulets de chair et les poules pondeuses; (120 échantillons pris dans 6 exploitations [5 exploitations de poules pondeuses et 1 exploitation de poulets de chair] par un vétérinaire officiel;
- une période de tests en été, lors d'abattages de poulets de chair à la ferme (80 échantillons pris par un vétérinaire officiel dans 4 exploitations).
- pendant toute l'année, en ce qui concerne les ratites; (175 échantillons pris chez les ratites à l'abattoir par un vétérinaire officiel).

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

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

Les tests en laboratoire seront effectués conformément aux méthodes de diagnostic pour la confirmation et au diagnostic différentiel de l'influenza aviaire visés à l'Annexe VII de la directive 2005/94/CE , ainsi que ceux visés à l'Annexe I point 9 de la décision de la Commission 2010/367/UE.

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## 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) :

L'Administration des Services Vétérinaires est l'autorité compétente en matière d'influenza aviaire. Elle identifie les sites qui présentent un risque. Elle surveille la mortalité des oiseaux sauvages. Elle définit ainsi les sites et les périodes d'échantillonnage.

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

(max. 32000 chars) :

Le programme est appliqué sur tout le territoire du Grand-duché de Luxembourg. Le Luxembourg ne connaît pas de région déterminée spécifiquement comme zone à risque pour l'influenza aviaire, bien que la plupart des échantillons des oiseaux sauvages proviennent de zones plus humides.

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

(max. 32000 chars) :

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

(max. 32000 chars) :

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- (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.

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### 3.2.1 WILD BIRDS focussed on target species

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

*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	
tout le pays	160	160	240	80	<b>X</b>
<b>Total</b>	160	160	240	80	
<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.

### 3.3 Sampling procedures and sampling periods

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max 32000 chars :

Identification des sites, présentant un risque (régions humides);  
L'échantillonnage tient compte du caractère saisonnier de la migration des oiseaux sauvages.  
Prise en compte d'une présence anormale de mortalité chez les oiseaux sauvages.

Prélèvement d'écouvillons cloacaux et trachéaux/oropharyngés sur des oiseaux sauvages, trouvés morts ou moribonds et réalisés par les vétérinaires officiels.

Le stockage et le transport des échantillons font l'objet d'un soin particulier. Les échantillons sont acheminés au laboratoire dans les 24 heures dans un milieu de transport à 4°C. (cf.: Annexe II Partie I point 3c de la décision de la Commission 2010/367/UE)

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

max 32000 chars :

Tous les échantillons collectés chez les animaux sauvages seront testés par PCR.  
Les analyses de Laboratoire sont effectuées selon les directives de l'Annexe II Partie I point 4 de la décision de la Commission 2010/367/UE).

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

max 32000 chars :

L'influenza aviaire n'a pas été détectée sur le territoire du Grand-duché de Luxembourg depuis au moins 25 ans.



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

(max. 32000 chars) :

L'influenza aviaire n'a pas été détectée sur le territoire du Grand-duché de Luxembourg depuis au moins 25 ans.

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

(max. 32000 chars) :

Le ministère de l'Agriculture ainsi que le ministère de la Santé, par l'intermédiaire de l'Administration des Services Vétérinaires se chargent de la notification de l'apparition éventuelle de l'influenza aviaire.

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## 7. Costs

### 7.1 Detailed analysis of the costs

#### 7.1.1 Poultry

(max. 32000 chars) :

analyses de laboratoire, échantillonnage

#### 7.1.2 Wild birds

(max. 32000 chars) :

analyses de laboratoire, échantillonnage

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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)	455	6	2730
Haemagglutination-inhibition-test (HI) for H7 (specify number of tests for H7)	455	6	2730
Virus isolation test	17	80	1360
PCR test	0	0	0

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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	360	1	360	
<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>	1 287		7 180,00 €	

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## 7.2.2 Wild bird surveillance

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

Laboratory testing			
Methods of laboratory analysis	Number of tests	Unitary test cost (per method) in €	Total cost (€)
Virus isolation test	8	80	640
PCR test	80	65	5200
Other please specify here	0	0	0
			<b>Add a new row</b>
Sampling			
	Number of samples	Unitary cost in €	Total cost (€)
Samples	160	5	800
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>	248		6 640,00 €	
<b>Grand Total Poultry + Wild birds</b>	1535		13 820,00 €	

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## Attachments

### IMPORTANT :

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