



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

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

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.

If encountering difficulties, please contact [SANCO-VET-PROG@ec.europa.eu](mailto:SANCO-VET-PROG@ec.europa.eu) , describe the issue and mention the version of this document: 2014 1.22

Instructions to complete the form:

Your current version of Acrobat is: 10.104

- 1) Be informed that you need to have at least the Adobe Reader version 8.1.3 or higher to fill and submit this form.
- 2) To verify your data entry while filling your form, you can use the "verify form" button at the top of each page.
- 3) When you have finished filling the form, verify that your internet connection is active and then click on the submit notification button below. If the form is properly filled, the notification will be submitted to the server and a Submission number will appear in the corresponding field.
- 4) **IMPORTANT: Once you have received the Submission number, save the form on your computer.**
- 5) If the form is not properly filled, an alert box will appear indicating the number of incorrect fields. Please check your form again and try to re-submit it according to steps 3), 4) and 5). Should you still have any difficulties, please contact [SANCO-BO@ec.europa.eu](mailto:SANCO-BO@ec.europa.eu).
- 6) For simplification purposes you are invited to submit multi annual programmes
- 7) As mentioned during the Plenary Task Force of 28/2/2014, you are invited to submit your programmes in English.

**IMPORTANT: AFTER SUBMITTING THE FORM DO NOT FORGET TO SAVE IT ON YOUR COMPUTER FOR YOUR RECORDS!**

Submission date

Monday, September 08, 2014 14:34:13

Submission number

1410179661492-3705



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

## 1. Identification of the programme

Member state: **MAGYARORSZAG**

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:

2015

To end of

2017

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

### 1.1 Contact

Name : Eszter Zemankovics

Phone : +36-30-6314-271

Fax. : +36-1-336-9099

Email : zemankovicse@nebih.gov.hu

## 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) :

Avian influenza is an infectious viral disease in birds, including poultry. Infections with avian influenza viruses in domestic poultry cause two main forms of that disease that are distinguished by their virulence. The low pathogenic form generally only causes mild symptoms, while the highly pathogenic form results in very high mortality rates in most poultry species.

Directive 2005/94/EC sets out measures for the control of outbreaks, in poultry and other captive birds, of highly pathogenic avian influenza (HPAI) and low pathogenic avian influenza caused by avian influenza viruses of the H5 and H7 subtypes (LPAI), as defined in that Directive. Directive 2005/94/EC also provides certain preventive measures relating to the surveillance and the early detection of avian influenza viruses.

Directive 2005/94/EC lays down that compulsory surveillance programmes are to be implemented by the Member States. These surveillance programmes' aim is identifying the circulation of LPAI viruses in poultry, in particular in waterfowl poultry species, before they become widespread in the poultry population, so that control measures can be taken to possibly prevent a mutation into a HPAI virus which might have devastating consequences.

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

The Hungarian central authority in charge of supervising and coordinating the programme is the Animal Health and Animal Welfare Directorate of the National Food Chain Safety Office, in Budapest. The Directorate is in communication with the Veterinary Diagnostic Directorate of the National Food Chain Safety Office, which serves as National Reference Laboratory, and coordinates the sampling carried out by veterinarians under the control/supervision of the Competent County Government Office Food Chain Safety and Animal Health Directorates (i.e. local authority).

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

(max. 32000 chars):

In Hungary, holdings are registered in a Central Database by the Competent County Government Office Food Chain Safety and Animal Health Directorates. Every year the Directorates submit their updates on each category of registered holdings to the Animal Health and Animal Welfare Directorate of the National Food Chain Safety Office (NFCSO).

Although the number of small backyard farms is only estimated in each county, as they are not obliged to register.

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

(max. 32000 chars):

Hungary implemented surveillance based on representative sampling design for monitoring poultry. The number of poultry holdings to be sampled correspond to those in Tables 1 and 2 of Annex I to Commission Decision 2010/367/EC of 25 June 2010. Each county is involved in sampling, depending on the number and categories of its poultry holdings. The number of samples are set out and supervised by the Animal Health and Animal Welfare Directorate of NFCSO.

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

(max. 32000 chars):

In Hungary, the following poultry species and production categories are the most significant: chicken breeders, laying hens, broilers, fattening turkeys, fattening geese and fattening ducks. There are 155 chicken breeder holdings, 486 holdings for laying hen, 656 holdings for broilers (kept in stalls), 296 holdings for fattening turkey, 435 holdings for fattening geese, 419 holdings for fattening ducks. Most of the waterfowl holdings (geese and ducks) are situated in the Southern Great Plain, 80% of fattening

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

geese holdings and 95% of fattening duck holdings are found in this area. Other categories mentioned above can be found in the whole country, although broilers and fattening turkeys are predominant in Western Transdanubia. The numbers of turkey, geese and duck breeders ( 25, 71, and 34) and farmed feathered game (gallinaceous: 72 and waterfowl: 14) holdings are less significant, and the numbers of free range laying hen (8), free range broiler (1), guinea fowl (4) and ratite holdings (4) are very small. Poultry rearing on backyard farms is also typical for Hungary, 227.006 is the estimated number of farms with any type of poultry and 4.839.787 is the estimated number of poultry population there.

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

(max. 32000 chars) :

Hungary implemented surveillance based on representative sampling for monitoring poultry. The number of holdings to be sampled are set out by the Central Authority for the Counties' Authorities (i.e. Local Authorities.)

- (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) :

Target populations for monitoring Avian Influenza in Hungary:

Laying hens, free range laying hens, chicken breeders, turkey breeders, duck breeders, geese breeders, fattening turkeys, fattening ducks, fattening geese, farmed feathered game (both gallinaceous and waterfowl), ratites and backyard flocks.

The Hungarian Central Authority (NFC SO) decided to extend the monitoring programme to backyard flocks in Hungary. The reasons are the following:

- the number of backyard flocks in Hungary are significant, the estimated number is 227.006, and 4.839.787 is the estimated number of poultry population there.
  - in most cases different poultry species are kept together (waterfowl with other poultry species)
  - generally they are kept free range (open-air), therefore their chance to get into contact with wild bird species is high,
- their registration to the Central Database is not obligatory, their veterinary supervision is not obligatory

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

in general, the backyard owner shall notify the veterinarian if an animal is suspected of having a disease or has a disease.

(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 as referred to in Article 1(d)

### 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

Targets for year **2015**

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	
HU10	55	7	10	70	Sampling	X
HU10	55	7	10	70	HI-test (H5)	X
HU10	55	7	10	70	HI-test (H7)	X
HU21	52	6	10	60	Sampling	X
HU21	52	6	10	60	HI-test (H5)	X
HU21	52	6	10	60	HI-test (H7)	X
HU22	61	7	10	70	Sampling	X
HU22	61	7	10	70	HI-test (H5)	X

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

HU22	61	7	10	70	HI-test (H7)	X
HU23	16	3	10	30	Sampling	X
HU23	16	3	10	30	HI-test (H5)	X
HU23	16	3	10	30	HI-test (H7)	X
HU31	60	7	10	70	Sampling	X
HU31	60	7	10	70	HI-test (H5)	X
HU31	60	7	10	70	HI-test (H7)	X
HU32	71	9	10	90	Sampling	X
HU32	71	9	10	90	HI-test (H5)	X
HU32	71	9	10	90	HI-test (H7)	X
HU33	171	21	10	210	Sampling	X
HU33	171	21	10	210	HI-test (H5)	X
HU33	171	21	10	210	HI-test (H7)	X
HU10	55	1	1	1	Virus isolation test	X
HU10	55	1	2	2	PCR test	X
HU21	52	1	1	1	Virus isolation test	X
HU21	52	1	2	2	PCR test	X
HU22	61	1	1	1	Virus isolation test	X
HU22	61	1	2	2	PCR test	X
HU23	16	1	1	1	Virus isolation test	X
HU23	16	1	1	1	PCR test	X

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

HU31	60	1	1	1	Virus isolation test	<b>X</b>
HU31	60	1	2	2	PCR test	<b>X</b>
HU32	71	1	2	2	Virus isolation test	<b>X</b>
HU32	71	1	2	2	PCR test	<b>X</b>
HU33	171	1	5	5	Virus isolation test	<b>X</b>
HU33	171	1	6	6	PCR test	<b>X</b>
<b>Total</b>				1 829		
<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>						

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	
HU 10	3	3	10	30	Sampling	<b>X</b>
HU10	3	3	10	30	HI-test (H5)	<b>X</b>
HU10	3	3	10	30	HI-test (H7)	<b>X</b>
HU21	1	1	10	10	Sampling	<b>X</b>
HU21	1	1	10	10	HI-test (H5)	<b>X</b>

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

HU21	1	1	10	10	HI-test (H7)	X
HU22	1	1	10	10	Sampling	X
HU22	1	1	10	10	HI-test (H5)	X
HU22	1	1	10	10	HI-test (H7)	X
HU31	1	1	10	10	Sampling	X
HU31	1	1	10	10	HI-test (H5)	X
HU31	1	1	10	10	HI-test (H7)	X
HU32	1	1	10	10	Sampling	X
HU32	1	1	10	10	HI-test (H5)	X
HU32	1	1	10	10	HI-test (H7)	X
HU33	1	1	10	10	Sampling	X
HU33	1	1	10	10	HI-test (H5)	X
HU33	1	1	10	10	HI-test (H7)	X
HU10	3	1	1	1	Virus isolation test	X
HU10	3	1	1	1	PCR test	X
HU21	1	1	1	1	PCR test	X
HU31	1	1	1	1	Virus isolation test	X
HU31	1	1	1	1	PCR test	X
<b>Total</b>				245		
					<b>Add a new row</b>	

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

- (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 : 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	
HU10	7	2	10	20	Sampling	X
HU10	7	2	10	20	HI-test (H5)	X
HU10	7	2	10	20	HI-test (H7)	X
HU21	54	18	10	180	Sampling	X
HU21	54	18	10	180	HI-test (H5)	X
HU21	54	18	10	180	HI-test (H7)	X
HU22	34	12	10	120	Sampling	X
HU22	34	12	10	120	HI-test (H5)	X
HU22	34	12	10	120	HI-test (H7)	X
HU23	10	4	10	40	Sampling	X
HU23	10	4	10	40	HI-test (H5)	X
HU23	10	4	10	40	HI-test (H7)	X
HU31	8	3	10	30	Sampling	X
HU31	8	3	10	30	HI-test (H5)	X

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

HU31	8	3	10	30	HI-test (H7)	X
HU32	27	9	10	90	Sampling	X
HU32	27	9	10	90	HI-test (H5)	X
HU32	27	9	10	90	HI-test (H7)	X
HU33	15	5	10	50	Sampling	X
HU33	15	5	10	50	HI-test (H5)	X
HU33	15	5	10	50	HI-test (H7)	X
HU21	54	1	3	3	Virus isolation test	X
HU21	54	1	5	5	PCR test	X
HU22	34	1	2	2	Virus isolation test	X
HU22	34	1	4	4	PCR test	X
HU23	10	1	1	1	Virus isolation test	X
HU23	10	1	1	1	PCR test	X
HU31	8	1	1	1	Virus isolation test	X
HU31	8	1	1	1	PCR test	X
HU32	27	1	2	2	Virus isolation test	X
HU32	27	1	3	3	PCR test	X
HU33	15	1	1	1	Virus isolation test	X
HU33	15	1	1	1	PCR test	X
<b>Total</b>				1 615		
				<b>Add a new row</b>		

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

- (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 : turkey 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	
HU10	1	1	10	10	Sampling	X
HU10	1	1	10	10	HI-test (H5)	X
HU10	1	1	10	10	HI-test (H7)	X
HU31	4	4	10	40	Sampling	X
HU31	4	4	10	40	HI-test (H5)	X
HU31	4	4	10	40	HI-test (H7)	X
HU32	13	13	10	130	Sampling	X
HU32	13	13	10	130	HI-test (H5)	X
HU32	13	13	10	130	HI-test (H7)	X
HU33	7	7	10	70	Sampling	X
HU33	7	7	10	70	HI-test (H5)	X
HU33	7	7	10	70	HI-test (H7)	X
HU31	4	1	1	1	Virus isolation test	X
HU31	4	1	2	2	PCR test	X

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

HU32	13	1	3	3	Virus isolation test	<b>X</b>
HU32	13	1	4	4	PCR test	<b>X</b>
HU33	7	1	1	1	Virus isolation test	<b>X</b>
HU33	7	1	1	1	PCR test	<b>X</b>
<b>Total</b>				762		
<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 : 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	
HU10	1	1	10	10	Sampling	<b>X</b>
HU10	1	1	10	10	HI-test (H5)	<b>X</b>
HU10	1	1	10	10	HI-test (H7)	<b>X</b>
HU21	15	3	10	30	Sampling	<b>X</b>
HU21	15	3	10	30	HI-test (H5)	<b>X</b>
HU21	15	3	10	30	HI-test (H7)	<b>X</b>
HU22	122	24	10	240	Sampling	<b>X</b>

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

HU22	122	24	10	240	HI-test (H5)	X
HU22	122	24	10	240	HI-test (H7)	X
HU23	45	9	10	90	Sampling	X
HU23	45	9	10	90	HI-test (H5)	X
HU23	45	9	10	90	HI-test (H7)	X
HU31	4	1	10	10	Sampling	X
HU31	4	1	10	10	HI-test (H5)	X
HU31	4	1	10	10	HI-test (H7)	X
HU32	19	4	10	40	Sampling	X
HU32	19	4	10	40	HI-test (H5)	X
HU32	19	4	10	40	HI-test (H7)	X
HU33	90	18	10	180	Sampling	X
HU33	90	18	10	180	HI-test (H5)	X
HU33	90	18	10	180	HI-test (H7)	X
HU21	15	1	1	1	PCR test	X
HU22	122	1	5	5	Virus isolation test	X
HU22	122	1	7	7	PCR test	X
HU23	45	1	2	2	Virus isolation test	X
HU23	45	1	3	3	PCR test	X
HU32	19	1	1	1	Virus isolation test	X
HU32	19	1	1	1	PCR test	X

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

HU33	90	1	4	4	Virus isolation test	<b>X</b>
HU33	90	1	5	5	PCR test	<b>X</b>
<b>Total</b>				1 829		
<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>						

Category : farmed game birds (gallinaceous)

**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	
HU10	7	4	10	40	Sampling	<b>X</b>
HU10	7	4	10	40	HI-test (H5)	<b>X</b>
HU10	7	4	10	40	HI-test (H7)	<b>X</b>
HU21	4	2	10	20	Sampling	<b>X</b>
HU21	4	2	10	20	HI-test (H5)	<b>X</b>
HU21	4	2	10	20	HI-test (H7)	<b>X</b>
HU22	1	1	10	10	Sampling	<b>X</b>
HU22	1	1	10	10	HI-test (H5)	<b>X</b>
HU22	1	1	10	10	HI-test (H7)	<b>X</b>

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

HU23	4	2	10	20	Sampling	X
HU23	4	2	10	20	HI-test (H5)	X
HU23	4	2	10	20	HI-test (H7)	X
HU31	4	2	10	20	Sampling	X
HU31	4	2	10	20	HI-test (H5)	X
HU31	4	2	10	20	HI-test (H7)	X
HU32	18	10	10	100	Sampling	X
HU32	18	10	10	100	HI-test (H5)	X
HU32	18	10	10	100	HI-test (H7)	X
HU33	36	21	10	210	Sampling	X
HU33	36	21	10	210	HI-test (H5)	X
HU33	36	21	10	210	HI-test (H7)	X
HU10	7	1	1	1	Virus isolation test	X
HU10	7	1	1	1	PCR test	X
HU23	4	1	1	1	Virus isolation test	X
HU23	4	1	1	1	PCR test	X
HU31	4	1	1	1	PCR test	X
HU32	18	1	2	2	Virus isolation test	X
HU32	18	1	3	3	PCR test	X
HU33	36	1	4	4	Virus isolation test	X
HU33	36	1	6	6	PCR test	X

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

<b>Total</b>				1 280	
				<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>					

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	
HU31	2	2	10	20	Sampling	<b>X</b>
HU31	2	2	10	20	HI-test (H5)	<b>X</b>
HU31	2	2	10	20	HI-test (H7)	<b>X</b>
HU32	2	2	10	20	Sampling	<b>X</b>
HU32	2	2	10	20	HI-test (H5)	<b>X</b>
HU32	2	2	10	20	HI-test (H7)	<b>X</b>
HU31	2	1	1	1	Virus isolation test	<b>X</b>
HU32	2	1	1	1	PCR test	<b>X</b>
<b>Total</b>				122		
				<b>Add a new row</b>		

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

- (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	
HU10	12 410	25	10	250	Sampling	X
HU10	12 410	25	10	250	HI-test (H5)	X
HU10	12 410	25	10	250	HI-test (H7)	X
HU21	30 784	75	10	750	Sampling	X
HU21	30 784	75	10	750	HI-test (H5)	X
HU21	30 784	75	10	750	HI-test (H7)	X
HU22	21 270	75	10	750	Sampling	X
HU22	21 270	75	10	750	HI-test (H5)	X
HU22	21 270	75	10	750	HI-test (H7)	X
HU23	32 769	80	10	800	Sampling	X
HU23	32 769	80	10	800	HI-test (H5)	X
HU23	32 769	80	10	800	HI-test (H7)	X
HU31	32 662	75	10	750	Sampling	X
HU31	32 662	75	10	750	HI-test (H5)	X

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

HU31	32 662	75	10	750	HI-test (H7)	X
HU32	56 711	90	10	900	Sampling	X
HU32	56 711	90	10	900	HI-test (H5)	X
HU32	56 711	90	10	900	HI-test (H7)	X
HU33	40 400	80	10	800	Sampling	X
HU33	40 400	80	10	800	HI-test (H5)	X
HU33	40 400	80	10	800	HI-test (H7)	X
HU10	12 410	1	5	5	Virus isolation test	X
HU10	12 410	1	7	7	PCR test	X
HU21	30 784	2	7	14	Virus isolation test	X
HU21	30 784	3	7	22	PCR test	X
HU22	21 270	2	7	14	Virus isolation test	X
HU22	21 270	3	7	22	PCR test	X
HU23	32 769	2	8	16	Virus isolation test	X
HU23	32 769	3	7	23	PCR test	X
HU31	32 662	2	7	14	Virus isolation test	X
HU31	32 662	3	7	22	PCR test	X
HU32	56 711	2	8	17	Virus isolation test	X
HU32	56 711	3	8	26	PCR test	X
HU33	40 400	2	8	16	Virus isolation test	X
HU33	40 400	3	7	23	PCR test	X

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

<b>Total</b>				15 241	
				<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**

Totals	Total number of tests	
<b>Total poultry 2015</b>	22 923	

*Targets for year*     **2016**

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	
HU10	55	7	10	70	Sampling	<b>X</b>

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

HU10	55	7	10	70	HI-test (H5)	X
HU10	55	7	10	70	HI-test (H7)	X
HU21	52	6	10	60	Sampling	X
HU21	52	6	10	60	HI-test (H5)	X
HU21	52	6	10	60	HI-test (H7)	X
HU22	61	7	10	70	Sampling	X
HU22	61	7	10	70	HI-test (H5)	X
HU22	61	7	10	70	HI-test (H7)	X
HU23	16	3	10	30	Sampling	X
HU23	16	3	10	30	HI-test (H5)	X
HU23	16	3	10	30	HI-test (H7)	X
HU31	60	7	10	70	Sampling	X
HU31	60	7	10	70	HI-test (H5)	X
HU31	60	7	10	70	HI-test (H7)	X
HU32	71	9	10	90	Sampling	X
HU32	71	9	10	90	HI-test (H5)	X
HU32	71	9	10	90	HI-test (H7)	X
HU33	171	21	10	210	Sampling	X
HU33	171	21	10	210	HI-test (H5)	X
HU33	171	21	10	210	HI-test (H7)	X
HU10	55	1	1	1	Virus isolation test	X

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

HU10	55	1	2	2	PCR test	X
HU21	52	1	1	1	Virus isolation test	X
HU21	52	1	2	2	PCR test	X
HU22	61	1	1	1	Virus isolation test	X
HU22	61	1	2	2	PCR test	X
HU23	16	1	1	1	Virus isolation test	X
HU23	16	1	1	1	PCR test	X
HU31	60	1	1	1	Virus isolation test	X
HU31	60	1	2	2	PCR test	X
HU32	71	1	2	2	Virus isolation test	X
HU32	71	1	2	2	PCR test	X
HU33	171	1	5	5	Virus isolation test	X
HU33	171	1	6	6	PCR test	X
<b>Total</b>				1 829		

Add a new row

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

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

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

Category : free range laying hens

delete this category

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

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	
HU10	3	3	10	30	Sampling	X
HU10	3	3	10	30	HI-test (H5)	X
HU10	3	3	10	30	HI-test (H7)	X
HU21	1	1	10	10	Sampling	X
HU21	1	1	10	10	HI-test (H5)	X
HU21	1	1	10	10	HI-test (H7)	X
HU22	1	1	10	10	Sampling	X
HU22	1	1	10	10	HI-test (H5)	X
HU22	1	1	10	10	HI-test (H7)	X
HU31	1	1	10	10	Sampling	X
HU31	1	1	10	10	HI-test (H5)	X
HU31	1	1	10	10	HI-test (H7)	X
HU32	1	1	10	10	Sampling	X
HU32	1	1	10	10	HI-test (H5)	X
HU32	1	1	10	10	HI-test (H7)	X
HU33	1	1	10	10	Sampling	X
HU33	1	1	10	10	HI-test (H5)	X
HU33	1	1	10	10	HI-test (H7)	X
HU10	3	1	1	1	Virus isolation test	X

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

HU10	3	1	1	1	PCR test	<b>X</b>
HU21	1	1	1	1	PCR test	<b>X</b>
HU31	1	1	1	1	Virus isolation test	<b>X</b>
HU31	1	1	1	1	PCR test	<b>X</b>
<b>Total</b>				245		
<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>						

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	
HU10	7	2	10	20	Sampling	<b>X</b>
HU10	7	2	10	20	HI-test (H5)	<b>X</b>
HU10	7	2	10	20	HI-test (H7)	<b>X</b>
HU21	54	18	10	180	Sampling	<b>X</b>
HU21	54	18	10	180	HI-test (H5)	<b>X</b>
HU21	54	18	10	180	HI-test (H7)	<b>X</b>
HU22	34	12	10	120	Sampling	<b>X</b>

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

HU22	34	12	10	120	HI-test (H5)	X
HU22	34	12	10	120	HI-test (H7)	X
HU23	10	4	10	40	Sampling	X
HU23	10	4	10	40	HI-test (H5)	X
HU23	10	4	10	40	HI-test (H7)	X
HU31	8	3	10	30	Sampling	X
HU31	8	3	10	30	HI-test (H5)	X
HU31	8	3	10	30	HI-test (H7)	X
HU32	27	9	10	90	Sampling	X
HU32	27	9	10	90	HI-test (H5)	X
HU32	27	9	10	90	HI-test (H7)	X
HU33	15	5	10	50	Sampling	X
HU33	15	5	10	50	HI-test (H5)	X
HU33	15	5	10	50	HI-test (H7)	X
HU21	54	1	3	3	Virus isolation test	X
HU21	54	1	5	5	PCR test	X
HU22	34	1	2	2	Virus isolation test	X
HU22	34	1	4	4	PCR test	X
HU23	10	1	1	1	Virus isolation test	X
HU23	10	1	1	1	PCR test	X
HU31	8	1	1	1	Virus isolation test	X

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

HU31	8	1	1	1	PCR test	<b>X</b>
HU32	27	1	2	2	Virus isolation test	<b>X</b>
HU32	27	1	3	3	PCR test	<b>X</b>
HU33	15	1	1	1	Virus isolation test	<b>X</b>
HU33	15	1	1	1	PCR test	<b>X</b>
<b>Total</b>				1 615		
<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 : turkey 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	
HU10	1	1	10	10	Sampling	<b>X</b>
HU10	1	1	10	10	HI-test (H5)	<b>X</b>
HU10	1	1	10	10	HI-test (H7)	<b>X</b>
HU31	4	4	10	40	Sampling	<b>X</b>
HU31	4	4	10	40	HI-test (H5)	<b>X</b>
HU31	4	4	10	40	HI-test (H7)	<b>X</b>

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

HU32	13	13	10	130	Sampling	X
HU32	13	13	10	130	HI-test (H5)	X
HU32	13	13	10	130	HI-test (H7)	X
HU33	7	7	10	70	Sampling	X
HU33	7	7	10	70	HI-test (H5)	X
HU33	7	7	10	70	HI-test (H7)	X
HU31	4	1	1	1	Virus isolation test	X
HU31	4	1	2	2	PCR test	X
HU32	13	1	3	3	Virus isolation test	X
HU32	13	1	4	4	PCR test	X
HU33	7	1	1	1	Virus isolation test	X
HU33	7	1	1	1	PCR test	X
<b>Total</b>				762		

Add a new row

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

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

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

Category : fattening turkeys

delete this category

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

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	
HU10	1	1	10	10	Sampling	X
HU10	1	1	10	10	HI-test (H5)	X
HU10	1	1	10	10	HI-test (H7)	X
HU21	15	3	10	30	Sampling	X
HU21	15	3	10	30	HI-test (H5)	X
HU21	15	3	10	30	HI-test (H7)	X
HU22	122	24	10	240	Sampling	X
HU22	122	24	10	240	HI-test (H5)	X
HU22	122	24	10	240	HI-test (H7)	X
HU23	45	9	10	90	Sampling	X
HU23	45	9	10	90	HI-test (H5)	X
HU23	45	9	10	90	HI-test (H7)	X
HU31	4	1	10	10	Sampling	X
HU31	4	1	10	10	HI-test (H5)	X
HU31	4	1	10	10	HI-test (H7)	X
HU32	19	4	10	40	Sampling	X
HU32	19	4	10	40	HI-test (H5)	X
HU32	19	4	10	40	HI-test (H7)	X
HU33	90	18	10	180	Sampling	X

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

HU33	90	18	10	180	HI-test (H5)	X
HU33	90	18	10	180	HI-test (H7)	X
HU21	15	1	1	1	PCR test	X
HU22	122	1	5	5	Virus isolation test	X
HU22	122	1	7	7	PCR test	X
HU23	45	1	2	2	Virus isolation test	X
HU23	45	1	3	3	PCR test	X
HU32	19	1	1	1	Virus isolation test	X
HU32	19	1	1	1	PCR test	X
HU33	90	1	4	4	Virus isolation test	X
HU33	90	1	5	5	PCR test	X
<b>Total</b>				1 829		
<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>						

Category : farmed game birds (gallinaceous)

**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
--------------	-----------------------------	--	-------------------------------	-----------------------	-------------------------------

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

HU10	7	4	10	40	Sampling	X
HU10	7	4	10	40	HI-test (H5)	X
HU10	7	4	10	40	HI-test (H7)	X
HU21	4	2	10	20	Sampling	X
HU21	4	2	10	20	HI-test (H5)	X
HU21	4	2	10	20	HI-test (H7)	X
HU22	1	1	10	10	Sampling	X
HU22	1	1	10	10	HI-test (H5)	X
HU22	1	1	10	10	HI-test (H7)	X
HU23	4	2	10	20	Sampling	X
HU23	4	2	10	20	HI-test (H5)	X
HU23	4	2	10	20	HI-test (H7)	X
HU31	4	2	10	20	Sampling	X
HU31	4	2	10	20	HI-test (H5)	X
HU31	4	2	10	20	HI-test (H7)	X
HU32	18	10	10	100	Sampling	X
HU32	18	10	10	100	HI-test (H5)	X
HU32	18	10	10	100	HI-test (H7)	X
HU33	36	21	10	210	Sampling	X
HU33	36	21	10	210	HI-test (H5)	X
HU33	36	21	10	210	HI-test (H7)	X

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

HU10	7	1	1	1	Virus isolation test	X
HU10	7	1	1	1	PCR test	X
HU23	4	1	1	1	Virus isolation test	X
HU23	4	1	1	1	PCR test	X
HU31	4	1	1	1	PCR test	X
HU32	18	1	2	2	Virus isolation test	X
HU32	18	1	3	3	PCR test	X
HU33	36	1	4	4	Virus isolation test	X
HU33	36	1	6	6	PCR test	X
<b>Total</b>				1 280		
<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 : 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	
HU31	2	2	10	20	Sampling	X
HU31	2	2	10	20	HI-test (H5)	X

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

HU31	2	2	10	20	HI-test (H7)	<b>X</b>
HU32	2	2	10	20	Sampling	<b>X</b>
HU32	2	2	10	20	HI-test (H5)	<b>X</b>
HU32	2	2	10	20	HI-test (H7)	<b>X</b>
HU31	2	1	1	1	Virus isolation test	<b>X</b>
HU32	2	1	1	1	PCR test	<b>X</b>
<b>Total</b>				122		
<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>						

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	
HU10	12 410	25	10	250	Sampling	<b>X</b>
HU10	12 410	25	10	250	HI-test (H5)	<b>X</b>
HU10	12 410	25	10	250	HI-test (H7)	<b>X</b>
HU21	30 784	75	10	750	Sampling	<b>X</b>
HU21	30 784	75	10	750	HI-test (H5)	<b>X</b>

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

HU21	30 784	75	10	750	HI-test (H7)	X
HU22	21 270	75	10	750	Sampling	X
HU22	21 270	75	10	750	HI-test (H5)	X
HU22	21 270	75	10	750	HI-test (H7)	X
HU23	32 769	80	10	800	Sampling	X
HU23	32 769	80	10	800	HI-test (H5)	X
HU23	32 769	80	10	800	HI-test (H7)	X
HU31	32 662	75	10	750	Sampling	X
HU31	32 662	75	10	750	HI-test (H5)	X
HU31	32 662	75	10	750	HI-test (H7)	X
HU32	56 711	90	10	900	Sampling	X
HU32	56 711	90	10	900	HI-test (H5)	X
HU32	56 711	90	10	900	HI-test (H7)	X
HU33	40 400	80	10	800	Sampling	X
HU33	40 400	80	10	800	HI-test (H5)	X
HU33	40 400	80	10	800	HI-test (H7)	X
HU10	12 410	1	5	5	Virus isolation test	X
HU10	12 410	1	7	7	PCR test	X
HU21	30 784	2	7	14	Virus isolation test	X
HU21	30 784	3	7	22	PCR test	X
HU22	21 270	2	7	14	Virus isolation test	X

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

HU22	21 270	3	7	22	PCR test	X
HU23	32 769	2	8	16	Virus isolation test	X
HU23	32 769	3	7	23	PCR test	X
HU31	32 662	2	7	14	Virus isolation test	X
HU31	32 662	3	7	22	PCR test	X
HU32	56 711	2	8	17	Virus isolation test	X
HU32	56 711	3	8	26	PCR test	X
HU33	40 400	2	8	16	Virus isolation test	X
HU33	40 400	3	7	23	PCR test	X
<b>Total</b>				15 241		
<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>	22 923	

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

Targets for year

**2017**

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	
HU10	55	7	10	70	Sampling	<b>X</b>
HU10	55	7	10	70	HI-test (H5)	<b>X</b>
HU10	55	7	10	70	HI-test (H7)	<b>X</b>
HU21	52	6	10	60	Sampling	<b>X</b>
HU21	52	6	10	60	HI-test (H5)	<b>X</b>
HU21	52	6	10	60	HI-test (H7)	<b>X</b>
HU22	61	7	10	70	Sampling	<b>X</b>
HU22	61	7	10	70	HI-test (H5)	<b>X</b>
HU22	61	7	10	70	HI-test (H7)	<b>X</b>
HU23	16	3	10	30	Sampling	<b>X</b>
HU23	16	3	10	30	HI-test (H5)	<b>X</b>
HU23	16	3	10	30	HI-test (H7)	<b>X</b>
HU31	60	7	10	70	Sampling	<b>X</b>

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

HU31	60	7	10	70	HI-test (H5)	X
HU31	60	7	10	70	HI-test (H7)	X
HU32	71	9	10	90	Sampling	X
HU32	71	9	10	90	HI-test (H5)	X
HU32	71	9	10	90	HI-test (H7)	X
HU33	171	21	10	210	Sampling	X
HU33	171	21	10	210	HI-test (H5)	X
HU33	171	21	10	210	HI-test (H7)	X
HU10	55	1	1	1	Virus isolation test	X
HU10	55	1	2	2	PCR test	X
HU21	52	1	1	1	Virus isolation test	X
HU21	52	1	2	2	PCR test	X
HU22	61	1	1	1	Virus isolation test	X
HU22	61	1	2	2	PCR test	X
HU23	16	1	1	1	Virus isolation test	X
HU23	16	1	1	1	PCR test	X
HU31	60	1	1	1	Virus isolation test	X
HU31	60	1	2	2	PCR test	X
HU32	71	1	2	2	Virus isolation test	X
HU32	71	1	2	2	PCR test	X
HU33	171	1	5	5	Virus isolation test	X

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

HU33	171	1	6	6	PCR test	<b>X</b>
<b>Total</b>				1 829		
<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>						

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	
HU10	3	3	10	30	Sampling	<b>X</b>
HU10	3	3	10	30	HI-test (H5)	<b>X</b>
HU10	3	3	10	30	HI-test (H7)	<b>X</b>
HU21	1	1	10	10	Sampling	<b>X</b>
HU21	1	1	10	10	HI-test (H5)	<b>X</b>
HU21	1	1	10	10	HI-test (H7)	<b>X</b>
HU22	1	1	10	10	Sampling	<b>X</b>
HU22	1	1	10	10	HI-test (H5)	<b>X</b>
HU22	1	1	10	10	HI-test (H7)	<b>X</b>
HU31	1	1	10	10	Sampling	<b>X</b>

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

HU31	1	1	10	10	HI-test (H5)	X
HU31	1	1	10	10	HI-test (H7)	X
HU32	1	1	10	10	Sampling	X
HU32	1	1	10	10	HI-test (H5)	X
HU32	1	1	10	10	HI-test (H7)	X
HU33	1	1	10	10	Sampling	X
HU33	1	1	10	10	HI-test (H5)	X
HU33	1	1	10	10	HI-test (H7)	X
HU10	3	1	1	1	Virus isolation test	X
HU10	3	1	1	1	PCR test	X
HU21	1	1	1	1	PCR test	X
HU31	1	1	1	1	Virus isolation test	X
HU31	1	1	1	1	PCR test	X
<b>Total</b>				245		
<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>						

Category : chicken breeders

**delete this category**

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

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	
HU10	7	2	10	20	Sampling	X
HU10	7	2	10	20	HI-test (H5)	X
HU10	7	2	10	20	HI-test (H7)	X
HU21	54	18	10	180	Sampling	X
HU21	54	18	10	180	HI-test (H5)	X
HU21	54	18	10	180	HI-test (H7)	X
HU22	34	12	10	120	Sampling	X
HU22	34	12	10	120	HI-test (H5)	X
HU22	34	12	10	120	HI-test (H7)	X
HU23	10	4	10	40	Sampling	X
HU23	10	4	10	40	HI-test (H5)	X
HU23	10	4	10	40	HI-test (H7)	X
HU31	8	3	10	30	Sampling	X
HU31	8	3	10	30	HI-test (H5)	X
HU31	8	3	10	30	HI-test (H7)	X
HU32	27	9	10	90	Sampling	X
HU32	27	9	10	90	HI-test (H5)	X
HU32	27	9	10	90	HI-test (H7)	X
HU33	15	5	10	50	Sampling	X

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

HU33	15	5	10	50	HI-test (H5)	X
HU33	15	5	10	50	HI-test (H7)	X
HU21	54	1	3	3	Virus isolation test	X
HU21	54	1	5	5	PCR test	X
HU22	34	1	2	2	Virus isolation test	X
HU22	34	1	4	4	PCR test	X
HU23	10	1	1	1	Virus isolation test	X
HU23	10	1	1	1	PCR test	X
HU31	8	1	1	1	Virus isolation test	X
HU31	8	1	1	1	PCR test	X
HU32	27	1	2	2	Virus isolation test	X
HU32	27	1	3	3	PCR test	X
HU33	15	1	1	1	Virus isolation test	X
HU33	15	1	1	1	PCR test	X
<b>Total</b>				1 615		

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 as referred to in Article 1(d)

Category : turkey 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	
HU10	1	1	10	10	Sampling	X
HU10	1	1	10	10	HI-test (H5)	X
HU10	1	1	10	10	HI-test (H7)	X
HU31	4	4	10	40	Sampling	X
HU31	4	4	10	40	HI-test (H5)	X
HU31	4	4	10	40	HI-test (H7)	X
HU32	13	13	10	130	Sampling	X
HU32	13	13	10	130	HI-test (H5)	X
HU32	13	13	10	130	HI-test (H7)	X
HU33	7	7	10	70	Sampling	X
HU33	7	7	10	70	HI-test (H5)	X
HU33	7	7	10	70	HI-test (H7)	X
HU31	4	1	1	1	Virus isolation test	X
HU31	4	1	2	2	PCR test	X
HU32	13	1	3	3	Virus isolation test	X
HU32	13	1	4	4	PCR test	X

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

HU33	7	1	1	1	Virus isolation test	<b>X</b>
HU33	7	1	1	1	PCR test	<b>X</b>
<b>Total</b>				762		
<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>						

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	
HU10	1	1	10	10	Sampling	<b>X</b>
HU10	1	1	10	10	HI-test (H5)	<b>X</b>
HU10	1	1	10	10	HI-test (H7)	<b>X</b>
HU21	15	3	10	30	Sampling	<b>X</b>
HU21	15	3	10	30	HI-test (H5)	<b>X</b>
HU21	15	3	10	30	HI-test (H7)	<b>X</b>
HU22	122	24	10	240	Sampling	<b>X</b>
HU22	122	24	10	240	HI-test (H5)	<b>X</b>
HU22	122	24	10	240	HI-test (H7)	<b>X</b>

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

HU23	45	9	10	90	Sampling	X
HU23	45	9	10	90	HI-test (H5)	X
HU23	45	9	10	90	HI-test (H7)	X
HU31	4	1	10	10	Sampling	X
HU31	4	1	10	10	HI-test (H5)	X
HU31	4	1	10	10	HI-test (H7)	X
HU32	19	4	10	40	Sampling	X
HU32	19	4	10	40	HI-test (H5)	X
HU32	19	4	10	40	HI-test (H7)	X
HU33	90	18	10	180	Sampling	X
HU33	90	18	10	180	HI-test (H5)	X
HU33	90	18	10	180	HI-test (H7)	X
HU21	15	1	1	1	PCR test	X
HU22	122	1	5	5	Virus isolation test	X
HU22	122	1	7	7	PCR test	X
HU23	45	1	2	2	Virus isolation test	X
HU23	45	1	3	3	PCR test	X
HU32	19	1	1	1	Virus isolation test	X
HU32	19	1	1	1	PCR test	X
HU33	90	1	4	4	Virus isolation test	X
HU33	90	1	5	5	PCR test	X

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

<b>Total</b>				1 829	
				<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>					

Category : farmed game birds (gallinaceous)

**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	
HU10	7	4	10	40	Sampling	<b>X</b>
HU10	7	4	10	40	HI-test (H5)	<b>X</b>
HU10	7	4	10	40	HI-test (H7)	<b>X</b>
HU21	4	2	10	20	Sampling	<b>X</b>
HU21	4	2	10	20	HI-test (H5)	<b>X</b>
HU21	4	2	10	20	HI-test (H7)	<b>X</b>
HU22	1	1	10	10	Sampling	<b>X</b>
HU22	1	1	10	10	HI-test (H5)	<b>X</b>
HU22	1	1	10	10	HI-test (H7)	<b>X</b>
HU23	4	2	10	20	Sampling	<b>X</b>
HU23	4	2	10	20	HI-test (H5)	<b>X</b>

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

HU23	4	2	10	20	HI-test (H7)	X
HU31	4	2	10	20	Sampling	X
HU31	4	2	10	20	HI-test (H5)	X
HU31	4	2	10	20	HI-test (H7)	X
HU32	18	10	10	100	Sampling	X
HU32	18	10	10	100	HI-test (H5)	X
HU32	18	10	10	100	HI-test (H7)	X
HU33	36	21	10	210	Sampling	X
HU33	36	21	10	210	HI-test (H5)	X
HU33	36	21	10	210	HI-test (H7)	X
HU10	7	1	1	1	Virus isolation test	X
HU10	7	1	1	1	PCR test	X
HU23	4	1	1	1	Virus isolation test	X
HU23	4	1	1	1	PCR test	X
HU31	4	1	1	1	PCR test	X
HU32	18	1	2	2	Virus isolation test	X
HU32	18	1	3	3	PCR test	X
HU33	36	1	4	4	Virus isolation test	X
HU33	36	1	6	6	PCR test	X
<b>Total</b>				1 280		
<b>Add a new row</b>						

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

- (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 : 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	
HU31	2	2	10	20	Sampling	X
HU31	2	2	10	20	HI-test (H5)	X
Hu31	2	2	10	20	HI-test (H7)	X
HU32	2	2	10	20	Sampling	X
HU32	2	2	10	20	HI-test (H5)	X
HU32	2	2	10	20	HI-test (H7)	X
HU31	2	1	1	1	Virus isolation test	X
HU32	2	1	1	1	PCR test	X
<b>Total</b>				122		

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 as referred to in Article 1(d)

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	
HU10	12 410	25	10	250	Sampling	X
HU10	12 410	25	10	250	HI-test (H5)	X
HU10	12 410	25	10	250	HI-test (H7)	X
HU21	30 784	75	10	750	Sampling	X
HU21	30 784	75	10	750	HI-test (H5)	X
HU21	30 784	75	10	750	HI-test (H7)	X
HU22	21 270	75	10	750	Sampling	X
HU22	21 270	75	10	750	HI-test (H5)	X
HU22	21 270	75	10	750	HI-test (H7)	X
HU23	32 769	80	10	800	Sampling	X
HU23	32 769	80	10	800	HI-test (H5)	X
HU23	32 769	80	10	800	HI-test (H7)	X
HU31	32 662	75	10	750	Sampling	X
HU31	32 662	75	10	750	HI-test (H5)	X
HU31	32 662	75	10	750	HI-test (H7)	X
HU32	56 711	90	10	900	Sampling	X

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

HU32	56 711	90	10	900	HI-test (H5)	X
HU32	56 711	90	10	900	HI-test (H7)	X
HU33	40 400	80	10	800	Sampling	X
HU33	40 400	80	10	800	HI-test (H5)	X
HU33	40 400	80	10	800	HI-test (H7)	X
HU10	12 410	1	5	5	Virus isolation test	X
HU10	12 410	1	7	7	PCR test	X
HU21	30 784	2	7	14	Virus isolation test	X
HU21	30 784	3	7	22	PCR test	X
HU22	21 270	2	7	14	Virus isolation test	X
HU22	21 270	3	7	22	PCR test	X
HU23	32 769	2	8	16	Virus isolation test	X
HU23	32 769	3	7	23	PCR test	X
HU31	32 662	2	7	14	Virus isolation test	X
HU31	32 662	3	7	22	PCR test	X
HU32	56 711	2	8	17	Virus isolation test	X
HU32	56 711	3	8	26	PCR test	X
HU33	40 400	2	8	16	Virus isolation test	X
HU33	40 400	3	7	23	PCR test	X
<b>Total</b>				15 241		
				<b>Add a new row</b>		

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

- (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 2017</b>	22 923	

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 **2015**

Category : duck breeders

delete this category

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

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	
HU10	2	2	20	40	Sampling	X
HU10	2	2	20	40	HI-test (H5)	X
HU10	2	2	20	40	HI-test (H7)	X
HU23	3	3	20	60	Sampling	X
HU23	3	3	20	60	HI-test (H5)	X
HU23	3	3	20	60	HI-test (H7)	X
HU32	2	2	20	40	Sampling	X
HU32	2	2	20	40	HI-test (H5)	X
HU32	2	2	20	40	HI-test (H7)	X
HU33	27	27	20	540	Sampling	X
HU33	27	27	20	540	HI-test (H5)	X
HU33	27	27	20	540	HI-test (H7)	X
HU23	3	1	1	1	Virus isolation test	X
HU23	3	1	2	2	PCR test	X
HU33	27	1	5	5	Virus isolation test	X
HU33	27	1	8	8	PCR test	X
<b>Total</b>				2 056		
<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 as referred to in Article 1(d)

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	
HU32	28	6	20	120	Sampling	X
HU32	28	6	20	120	HI-test (H5)	X
HU32	28	6	20	120	HI-test (H7)	X
HU33	391	84	20	1 680	Sampling	X
HU33	391	84	20	1 680	HI-test (H5)	X
HU33	391	84	20	1 680	HI-test (H7)	X
HU32	28	1	1	1	Virus isolation test	X
HU32	28	1	2	2	PCR test	X
HU33	391	2	8	16	Virus isolation test	X
HU33	391	3	8	24	PCR test	X
<b>Total</b>				5 443		

**Add a new row**

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

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

Category : geese breeders

**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	
HU10	5	4	20	80	Sampling	X

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

HU10	5	4	20	80	HI-test (H5)	X
HU10	5	4	20	80	HI-test (H7)	X
HU21	2	2	20	40	Sampling	X
HU21	2	2	20	40	HI-test (H5)	X
HU21	2	2	20	40	HI-test (H7)	X
HU22	2	2	20	40	Sampling	X
HU22	2	2	20	40	HI-test (H5)	X
HU22	2	2	20	40	HI-test (H7)	X
HU23	2	2	20	40	Sampling	X
HU23	2	2	20	40	HI-test (H5)	X
HU23	2	2	20	40	HI-test (H7)	X
HU31	8	6	20	120	Sampling	X
HU31	8	6	20	120	HI-test (H5)	X
HU31	8	6	20	120	HI-test (H7)	X
HU32	8	6	20	120	Sampling	X
HU32	8	6	20	120	HI-test (H5)	X
HU32	8	6	20	120	HI-test (H7)	X
HU33	44	37	20	740	Sampling	X
HU33	44	37	20	740	HI-test (H5)	X
HU33	44	37	20	740	HI-test (H7)	X
HU10	5	1	1	1	Virus isolation test	X
HU10	5	1	1	1	PCR test	X
HU23	2	1	1	1	Virus isolation test	X
HU23	2	1	1	1	PCR test	X

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

HU31	8	1	1	1	Virus isolation test	X
HU31	8	1	2	2	PCR test	X
HU32	8	1	1	1	Virus isolation test	X
HU32	8	1	2	2	PCR test	X
HU33	44	1	7	7	Virus isolation test	X
HU33	44	1	11	11	PCR test	X
<b>Total</b>				3 568		
<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 (2) code can not be used, region as defined in the programme by the Member State is requested</p>						

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	
HU10	2	2	20	40	Sampling	X
HU10	2	2	20	40	HI-test (H5)	X
HU10	2	2	20	40	HI-test (H7)	X
HU31	1	1	20	20	Sampling	X
HU31	1	1	20	20	HI-test (H5)	X
HU31	1	1	20	20	HI-test (H7)	X
HU32	88	18	20	360	Sampling	X
HU32	88	18	20	360	HI-test (H5)	X
HU32	88	18	20	360	HI-test (H7)	X

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

HU33	344	69	20	1 380	Sampling	X
HU33	344	69	20	1 380	HI-test (H5)	X
HU33	344	69	20	1 380	HI-test (H7)	X
HU10	2	1	1	1	PCR test	X
HU32	88	1	4	4	Virus isolation test	X
HU32	88	1	5	5	PCR test	X
HU33	344	1	13	13	Virus isolation test	X
HU33	344	1	20	20	PCR test	X
<b>Total</b>				5 443		

Add a new row

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

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

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	
HU21	2	2	20	40	Sampling	X
HU21	2	2	20	40	HI-test (H5)	X
HU21	2	2	20	40	HI-test (H7)	X
HU31	2	2	20	40	Sampling	X
HU31	2	2	20	40	HI-test (H5)	X
HU31	2	2	20	40	HI-test (H7)	X
HU32	2	2	20	40	Sampling	X

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

HU32	2	2	20	40	HI-test (H5)	X
HU32	2	2	20	40	HI-test (H7)	X
HU33	8	8	20	160	Sampling	X
HU33	8	8	20	160	HI-test (H5)	X
HU33	8	8	20	160	HI-test (H7)	X
HU21	2	1	1	1	PCR test	X
HU31	2	1	1	1	Virus isolation test	X
HU31	2	1	1	1	PCR test	X
HU32	2	1	1	1	Virus isolation test	X
HU32	2	1	1	1	PCR test	X
HU33	8	1	1	1	Virus isolation test	X
HU33	8	1	1	1	PCR test	X
<b>Total</b>				847		

Add a new row

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

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

### Add a category

NUTS (2) (b)	Total number of tests	
<b>Total ducks and geese 2015</b>	17 357	

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

Targets for year

2016

Category : duck breeders

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	
HU10	2	2	20	40	Sampling	X
HU10	2	2	20	40	HI-test (H5)	X
HU10	2	2	20	40	HI-test (H7)	X
HU23	3	3	20	60	Sampling	X
HU23	3	3	20	60	HI-test (H5)	X
HU23	3	3	20	60	HI-test (H7)	X
HU32	2	2	20	40	Sampling	X
HU32	2	2	20	40	HI-test (H5)	X
HU32	2	2	20	40	HI-test (H7)	X
HU33	27	27	20	540	Sampling	X
HU33	27	27	20	540	HI-test (H5)	X
HU33	27	27	20	540	HI-test (H7)	X
HU23	3	1	1	1	Virus isolation test	X
HU23	3	1	2	2	PCR test	X
HU33	27	1	5	5	Virus isolation test	X
HU33	27	1	8	8	PCR test	X
<b>Total</b>				2 056		

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

Add a new row

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

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

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	
HU32	28	6	20	120	Sampling	X
HU32	28	6	20	120	HI-test (H5)	X
HU32	28	6	20	120	HI-test (H7)	X
HU33	391	84	20	1 680	Sampling	X
HU33	391	84	20	1 680	HI-test (H5)	X
HU33	391	84	20	1 680	HI-test (H7)	X
HU32	28	1	1	1	Virus isolation test	X
HU32	28	1	2	2	PCR test	X
HU33	391	2	8	16	Virus isolation test	X
HU33	391	3	8	24	PCR test	X
<b>Total</b>				5 443		

Add a new row

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

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

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

Category : geese breeders

**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	
HU10	5	4	20	80	Sampling	X
HU10	5	4	20	80	HI-test (H5)	X
HU10	5	4	20	80	HI-test (H7)	X
HU21	2	2	20	40	Sampling	X
HU21	2	2	20	40	HI-test (H5)	X
HU21	2	2	20	40	HI-test (H7)	X
HU22	2	2	20	40	Sampling	X
HU22	2	2	20	40	HI-test (H5)	X
HU22	2	2	20	40	HI-test (H7)	X
HU23	2	2	20	40	Sampling	X
HU23	2	2	20	40	HI-test (H5)	X
HU23	2	2	20	40	HI-test (H7)	X
HU31	8	6	20	120	Sampling	X
HU31	8	6	20	120	HI-test (H5)	X
HU31	8	6	20	120	HI-test (H7)	X
HU32	8	6	20	120	Sampling	X
HU32	8	6	20	120	HI-test (H5)	X
HU32	8	6	20	120	HI-test (H7)	X
HU33	44	37	20	740	Sampling	X
HU33	44	37	20	740	HI-test (H5)	X

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

HU33	44	37	20	740	HI-test (H7)	X
HU10	5	1	1	1	Virus isolation test	X
HU10	5	1	1	1	PCR test	X
HU23	2	1	1	1	Virus isolation test	X
HU23	2	1	1	1	PCR test	X
HU31	8	1	1	1	Virus isolation test	X
HU31	8	1	2	2	PCR test	X
HU32	8	1	1	1	Virus isolation test	X
HU32	8	1	2	2	PCR test	X
HU33	44	1	7	7	Virus isolation test	X
HU33	44	1	11	11	PCR test	X
<b>Total</b>				3 568		
<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	
HU10	2	2	20	40	Sampling	X
HU10	2	2	20	40	HI-test (H5)	X
HU10	2	2	20	40	HI-test (H7)	X
HU31	1	1	20	20	Sampling	X

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

HU31	1	1	20	20	HI-test (H5)	X
HU31	1	1	20	20	HI-test (H7)	X
HU32	88	18	20	360	Sampling	X
HU32	88	18	20	360	HI-test (H5)	X
HU32	88	18	20	360	HI-test (H7)	X
HU33	344	69	20	1 380	Sampling	X
HU33	344	69	20	1 380	HI-test (H5)	X
HU33	344	69	20	1 380	HI-test (H7)	X
HU10	2	1	1	1	PCR test	X
HU32	88	1	4	4	Virus isolation test	X
HU32	88	1	5	5	PCR test	X
HU33	344	1	13	13	Virus isolation test	X
HU33	344	1	20	20	PCR test	X
<b>Total</b>				5 443		
<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 : 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	
HU21	2	2	20	40	Sampling	X
HU21	2	2	20	40	HI-test (H5)	X

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

HU21	2	2	20	40	HI-test (H7)	X
HU31	2	2	20	40	Sampling	X
HU31	2	2	20	40	HI-test (H5)	X
HU31	2	2	20	40	HI-test (H7)	X
HU32	2	2	20	40	Sampling	X
HU32	2	2	20	40	HI-test (H5)	X
HU32	2	2	20	40	HI-test (H7)	X
HU33	8	8	20	160	Sampling	X
HU33	8	8	20	160	HI-test (H5)	X
HU33	8	8	20	160	HI-test (H7)	X
HU21	2	1	1	1	PCR test	X
HU31	2	1	1	1	Virus isolation test	X
HU31	2	1	1	1	PCR test	X
HU32	2	1	1	1	Virus isolation test	X
HU32	2	1	1	1	PCR test	X
HU33	8	1	1	1	Virus isolation test	X
HU33	8	1	1	1	PCR test	X
<b>Total</b>				847		

Add a new row

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

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

Add a category

--	--	--

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

NUTS (2) (b)	Total number of tests	
<b>Total ducks and geese 2016</b>	17 357	

Targets for year **2017**

Category : duck breeders

**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	
HU10	2	2	20	40	Sampling	X
HU10	2	2	20	40	HI-test (H5)	X
HU10	2	2	20	40	HI-test (H7)	X
HU23	3	3	20	60	Sampling	X
HU23	3	3	20	60	HI-test (H5)	X
HU23	3	3	20	60	HI-test (H7)	X
HU32	2	2	20	40	Sampling	X
HU32	2	2	20	40	HI-test (H5)	X
HU32	2	2	20	40	HI-test (H7)	X
HU33	27	27	20	540	Sampling	X
HU33	27	27	20	540	HI-test (H5)	X
HU33	27	27	20	540	HI-test (H7)	X

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

HU23	3	1	1	1	Virus isolation test	X
HU23	3	1	2	2	PCR test	X
HU33	27	1	5	5	Virus isolation test	X
HU33	27	1	8	8	PCR test	X
<b>Total</b>				2 056		
<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 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	
HU32	28	6	20	120	Sampling	X
HU32	28	6	20	120	HI-test (H5)	X
HU32	28	6	20	120	HI-test (H7)	X
HU33	391	84	20	1 680	Sampling	X
HU33	391	84	20	1 680	HI-test (H5)	X
HU33	391	84	20	1 680	HI-test (H7)	X
HU32	28	1	1	1	Virus isolation test	X
HU32	28	1	2	2	PCR test	X
HU33	391	2	8	16	Virus isolation test	X
HU33	391	3	8	24	PCR test	X
<b>Total</b>				5 443		

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

Add a new row

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

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

Category : geese breeders

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	
HU10	5	4	20	80	Sampling	X
HU10	5	4	20	80	HI-test (H5)	X
HU10	5	4	20	80	HI-test (H7)	X
HU21	2	2	20	40	Sampling	X
HU21	2	2	20	40	HI-test (H5)	X
HU21	2	2	20	40	HI-test (H7)	X
HU22	2	2	20	40	Sampling	X
HU22	2	2	20	40	HI-test (H5)	X
HU22	2	2	20	40	HI-test (H7)	X
HU23	2	2	20	40	Sampling	X
HU23	2	2	20	40	HI-test (H5)	X
HU23	2	2	20	40	HI-test (H7)	X
HU31	8	6	20	120	Sampling	X
HU31	8	6	20	120	HI-test (H5)	X
HU31	8	6	20	120	HI-test (H7)	X
HU32	8	6	20	120	Sampling	X

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

HU32	8	6	20	120	HI-test (H5)	X
HU32	8	6	20	120	HI-test (H7)	X
HU33	44	37	20	740	Sampling	X
HU33	44	37	20	740	HI-test (H5)	X
HU33	44	37	20	740	HI-test (H7)	X
HU10	5	1	1	1	Virus isolation test	X
HU10	5	1	1	1	PCR test	X
HU23	2	1	1	1	Virus isolation test	X
HU23	2	1	1	1	PCR test	X
HU31	8	1	1	1	Virus isolation test	X
HU31	8	1	2	2	PCR test	X
HU32	8	1	1	1	Virus isolation test	X
HU32	8	1	2	2	PCR test	X
HU33	44	1	7	7	Virus isolation test	X
HU33	44	1	11	11	PCR test	X
<b>Total</b>				3 568		

Add a new row

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

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

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
--------------	---	---	-------------------------------	-----------------------	-------------------------------

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

HU10	2	2	20	40	Sampling	X
HU10	2	2	20	40	HI-test (H5)	X
HU10	2	2	20	40	HI-test (H7)	X
HU31	1	1	20	20	Sampling	X
HU31	1	1	20	20	HI-test (H5)	X
HU31	1	1	20	20	HI-test (H7)	X
HU32	88	18	20	360	Sampling	X
HU32	88	18	20	360	HI-test (H5)	X
HU32	88	18	20	360	HI-test (H7)	X
HU33	344	69	20	1 380	Sampling	X
HU33	344	69	20	1 380	HI-test (H5)	X
HU33	344	69	20	1 380	HI-test (H7)	X
HU10	2	1	1	1	PCR test	X
HU32	88	1	4	4	Virus isolation test	X
HU32	88	1	5	5	PCR test	X
HU33	344	1	13	13	Virus isolation test	X
HU33	344	1	20	20	PCR test	X
<b>Total</b>				5 443		

Add a new row

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

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

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

delete this category

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

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	
HU21	2	2	20	40	Sampling	X
HU21	2	2	20	40	HI-test (H5)	X
HU21	2	2	20	40	HI-test (H7)	X
HU31	2	2	20	40	Sampling	X
HU31	2	2	20	40	HI-test (H5)	X
HU31	2	2	20	40	HI-test (H7)	X
HU32	2	2	20	40	Sampling	X
HU32	2	2	20	40	HI-test (H5)	X
HU32	2	2	20	40	HI-test (H7)	X
HU33	8	8	20	160	Sampling	X
HU33	8	8	20	160	HI-test (H5)	X
HU33	8	8	20	160	HI-test (H7)	X
HU21	2	1	1	1	PCR test	X
HU31	2	1	1	1	Virus isolation test	X
HU31	2	1	1	1	PCR test	X
HU32	2	1	1	1	Virus isolation test	X
HU32	2	1	1	1	PCR test	X
HU33	8	1	1	1	Virus isolation test	X
HU33	8	1	1	1	PCR test	X
<b>Total</b>				847		
<b>Add a new row</b>						

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

(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 2017</b>	17 357	

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

2015

Poultry +Ducks/Geese	Total number of tests
<b>Grand Total</b>	40 280
<b>Grand Total ELISA</b>	0
<b>Grand Total agar</b>	0
<b>Grand Total HI tests (H5)</b>	13 260
<b>Grand Total HI tests (H7)</b>	13 260
<b>Grand Total Virus Isolation test</b>	200
<b>Grand Total PCR test</b>	300
<b>Grand Total Other test</b>	0

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

<b>Grand Total Samplings</b>	13 260
------------------------------	--------

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

2016

Poultry +Ducks/Geese	Total number of tests
<b>Grand Total</b>	40 280
<b>Grand Total ELISA</b>	0
<b>Grand Total agar</b>	0
<b>Grand Total HI tests (H5)</b>	13 260
<b>Grand Total HI tests (H7)</b>	13 260
<b>Grand Total Virus Isolation test</b>	200
<b>Grand Total PCR test</b>	300
<b>Grand Total Other test</b>	0
<b>Grand Total Samplings</b>	13 260

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

2017

Poultry +Ducks/Geese	Total number of tests
<b>Grand Total</b>	40 280
<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 as referred to in Article 1(d)

<b>Grand Total HI tests (H5)</b>	13 260
<b>Grand Total HI tests (H7)</b>	13 260
<b>Grand Total Virus Isolation test</b>	200
<b>Grand Total PCR test</b>	300
<b>Grand Total Other test</b>	0
<b>Grand Total Samplings</b>	13 260

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

*(max. 32000 chars) :*

Sampling will be started at the beginning of the year 2015 and shall be finished by the end of 2017 in the frame of multiannual cofinancing plan. Sampling will be carried out by veterinarians and means blood taking from poultry species for serological investigation in the amount set out by the Central Authority for each chosen county. Each concerned holding is sampled once throughout the year in the case of negative results. Sample size is 10 or 20 blood samples per holdings depending on the poultry species. The survey shall be completed by 31 December, each year. All positive and negative results of the investigations will be reported every 6 months to the Commission via an online reporting system. Results will be submitted by 31 July for the preceding 6 months and by 31 January for the preceding 6 months. The Animal Health and Animal Welfare Directorate of the NFCSO shall inform the Commission without delay in the event of the laboratory tests showing positive results for HPAI.

The final report of the surveillance program will be submitted to the Commission and the CRL by 30 April, each following year.

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

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

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

All samples will be tested by the National Reference Laboratory for Avian Influenza (NRL) (official name: Veterinary Diagnostic Directorate of the National Food Chain Safety Office, address: 1149 Budapest, Tábornok u. 2., Hungary) .

For the serological testing for AI at all poultry species, the haemagglutination inhibition test (HI) will be used. HI method for avian influenza subtypes H5 and H7 will be carried out. Samples showing positive results at serological tests will be re-tested by virus isolation using 9-11 days old embryonated incubated eggs and by RT-PCR method.

All laboratory tests will be carried out in accordance with Chapter 2.7.12. on Highly Pathogenic Avian Influenza of Manual of Diagnostic Tests and Vaccines for Terrestrial Animals, Fifth Edition, OIE and Commission Decision 2006/437/EC approving a Diagnostic Manual for avian influenza as provided for in Council Directive 2005/94/EC.

### 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 Hungarian central authority in charge of supervising and coordinating the programme is the Animal Health and Animal Welfare Directorate of the

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

National Food Chain Safety Office, in Budapest. The Directorate is in communication with the Veterinary Diagnostic Directorate of the National Food Chain Safety Office, which serves as National Reference Laboratory, and also with the Ministry of Rural Development, the Ministry of Environment and Water and with the Hungarian Ornithological Society and the Hungarian National Chamber of Hunters. The Directorate coordinates the sampling, which is carried out by veterinarians under the supervision of the Competent County Government Office Food Chain Safety and Animal Health Directorates (i.e. local authority).

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

*(max. 32000 chars) :*

In Hungary, the surveillance programme for avian influenza in wild birds will be applied throughout the whole country, considering that almost in every county there are either wetlands, lakes, rivers or backwaters as typical habitats for migratory wildbirds, in particular water birds, as target species (see Attachment 1.)

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

*(max. 32000 chars) :*

The estimated local wildlife population in Hungary consists of approximately 19 006 965 – 27 394 153 pair of nesting birds and 10273000 – 18122000 wintering birds.

(The estimates based on the studies of BirdLife International (2004) Birds in Europe: Population Estimates, Trends and Conservation Status, Cambridge, UK: BirdLife International. (BirdLife Conservation Series No. 12).

Regarding Károly Nagy  
Monitoring and Research Group Leader  
MME / BirdLife Hungary  
[www.mme-monitoring.hu](http://www.mme-monitoring.hu))

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

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

(max. 32000 chars) :

In Hungary, passive surveillance will be implemented for monitoring avian influenza in wild birds. Moribund or dead birds will be collected for virological examination. The sample size is estimated from previous years' experiences and the target population according to Commission Decision 2010/367/EC of 25 June 2010 are set out by the Animal Health and Animal Welfare Directorate of NFCSO for the 19 Competent county Government Office Food Chain Safety and Animal Health Directorate.

The following areas , where dead or moribund birds can be found have priority in point of monitoring AI:

- areas where increased incidence of morbidity and mortality in wild birds occurs;
- areas close to the lakes and waterways in particular when these areas are in proximity to domestic poultry holdings;
- areas where cases of HPAI H5N1 have been identified in wild birds or poultry to possibly identify asymptomatic carriers;
- areas epidemiologically linked to these cases.

The passive surveillance will be targeted on birds belonging to identified "higher risk" species listed in Annex II to Commission Decision 2010/367/EC and other wild birds living in close proximity to them and also on wild birds coming possibly in close contact to domestic poultry holdings.

<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.*

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

### 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*

Targets for year **2015**

NUTS (2) code/region (a)	Total number of birds to be sampled	Estimated total number of samples to be taken for passive surveillance	Type of test	Number of tests	
HU10	100	100	PCR test	100	X
HU21	220	220	PCR test	220	X
HU22	220	220	PCR test	220	X
HU23	210	210	PCR test	210	X
HU31	210	210	PCR test	210	X
HU32	240	240	PCR test	240	X
HU33	240	240	PCR test	240	X
HU10	10	10	Virus isolation test	10	X
HU21	23	23	Virus isolation test	23	X
HU22	23	23	Virus isolation test	23	X

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

HU23	22	22	Virus isolation test	22	X
HU31	22	22	Virus isolation test	22	X
HU32	25	25	Virus isolation test	25	X
HU33	25	25	Virus isolation test	25	X
<b>Total</b>					

Add a new row

- (a) Refers to the place of collection of birds/samples. In case NUTS 2 (Nomenclature of Territorial Units for Statistics) can not be used, region as defined in the programme by the Member State is requested. Please fill-in these values directly in the field.
- (b) General description of the wild birds are intended to be sampled in the framework of the active and passive surveillance.
- (c) Voluntary, to be included for information purposes, not eligible for cofinancing.

	Total number of tests
<b>Total number of tests</b>	1 590
<b>Total Virus isolation tests</b>	150
<b>Total PCR tests</b>	1 440
<b>Total Other tests</b>	0

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	
HU10	100	100	PCR test	100	X

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

HU21	220	220	PCR test	220	X
HU22	220	220	PCR test	220	X
HU23	210	210	PCR test	210	X
HU31	210	210	PCR test	210	X
HU32	240	240	PCR test	240	X
HU33	240	240	PCR test	240	X
HU10	10	10	Virus isolation test	10	X
HU21	23	23	Virus isolation test	23	X
HU22	23	23	Virus isolation test	23	X
HU23	22	22	Virus isolation test	22	X
HU31	22	22	Virus isolation test	22	X
HU32	25	25	Virus isolation test	25	X
HU33	25	25	Virus isolation test	25	X
<b>Total</b>					

Add a new row

- (a) Refers to the place of collection of birds/samples. In case NUTS 2 (Nomenclature of Territorial Units for Statistics) can not be used, region as defined in the programme by the Member State is requested. Please fill-in these values directly in the field.
- (b) General description of the wild birds are intended to be sampled in the framework of the active and passive surveillance.
- (c) Voluntary, to be included for information purposes, not eligible for cofinancing.

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

	Total number of tests
<b>Total number of tests</b>	1 590
<b>Total Virus isolation tests</b>	150
<b>Total PCR tests</b>	1 440
<b>Total Other tests</b>	0

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	
HU10	100	100	PCR test	100	X
HU21	220	220	PCR test	220	X
HU22	220	220	PCR test	220	X
HU23	210	210	PCR test	210	X
HU31	210	210	PCR test	210	X
HU32	240	240	PCR test	240	X
HU33	240	240	PCR test	240	X
HU10	10	10	Virus isolation test	10	X
HU21	23	23	Virus isolation test	23	X

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

HU22	23	23	Virus isolation test	23	X
HU23	22	22	Virus isolation test	22	X
HU31	22	22	Virus isolation test	22	X
HU32	25	25	Virus isolation test	25	X
HU32	25	25	Virus isolation test	25	X
<b>Total</b>					

Add a new row

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

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

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

	Total number of tests
<b>Total number of tests</b>	1 590
<b>Total Virus isolation tests</b>	150
<b>Total PCR tests</b>	1 440
<b>Total Other tests</b>	0

### 3.3 Sampling procedures and sampling periods

max 32000 chars :

Veterinarians or hunters are responsible for implementation of the sampling. Bird watchers, ornithologists, hunters or anyone who discovers a dead or moribund bird shall deliver it to the competent authority, i.e. the competent veterinarians. Oropharyngeal/tracheal or cloacal swab samples, tissues or

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

corpse will be sent by them immediately to the NRL for virological examination.

The programme will be started at the beginning of 2015 and shall be finished by the end of 2017 in the frame of the multiannual cofinancing programme. The survey shall be completed by 31 December, each year. All positive and negative results of the investigations will be reported every 6 months to the Commission via an online reporting system. Results will be submitted by 31 July for the preceding 6 months and by 31 January for the preceding 6 months. The Animal Health and Animal Welfare Directorate of the NFCSO shall inform the Commission without delay in the event of the laboratory tests showing positive results for HPAI. The final report of the surveillance programme will be submitted to the Commission and the CRL by 30 April, each following year.

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

max 32000 chars :

All samples will be tested by the National Reference Laboratory for Avian Influenza (NRL) (official name: Veterinary Diagnostic Directorate of the National Food Chain Safety Office , address: 1149 Budapest, Tábornok u. 2., Hungary) .

The samples for wild bird monitoring will be tested by molecular biological methods. Molecular biological testing (RT-PCR) will be performed with the general influenza A primer M-gene (M +25, M-124 and M +64 probe) and using H5, H7 and N1 primers (VLA protocol, 2006). Positive samples will be re-tested by virus isolation test (VI). Dead birds collected and sent into the laboratory will undergo routine post-mortem inspection including histopathology. All laboratory tests will be carried out in accordance with Commission Decision 2006/437/EC approving a Diagnostic Manual for avian influenza as provided for in Council Directive 2005/94/EC.

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

max 32000 chars :

During the last five years the epidemiological situation in poultry was the following:

On 29 October 2010 in the frame of the avian influenza monitoring programme 15 out of 40 laboratory results proved to be positive against H5 antigen by testing blood-samples taken from a breeding-duck stock. On the same day (29 October 2010) the official control and movement restriction of the holding was ordered by the local competent authority. The positive serological results for H5 antigen could be caused by cross-reaction of the neuraminidase (N)-subtype, so the repeated serological and virological investigation of the whole stock was ordered by the Central Authority. The repeated sampling was

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

done under the personal control of the competent authority on 02 November 2010, and the results were the following: 13 samples were positive against H5N3 and H5N1 antigens out of 120 samples, 107 samples proved to be negative. All of the serums proved to be negative against H7N1 and H7N7 antigens. The cloacal- and tracheal tampons, taken from the stock, were tested for avian influenza virus by PCR-method (OIE MM 2004 2.1.14.B.4.B.). After the viral test the presence of H4 and H6 viruses were proved in one animal, the presence of the low pathogen H6 influenza virus was proved in two animals. On the basis of the molecular-virological data, on 12 November 2010 our authority ordered the stamping-out of the whole stock affected, and in the frame of this process 1187 elite duck-parents were killed, and the disposal of 4800 breeding-eggs was ordered. At the same time with the stamping-out, the surveillance of the holdings situated around the infected holding within 3 km radius were started. Tests were carried out on 12 November 2010 and 13 November 2010. The serological and virological tests of the 3 duck-holdings situated in this area were proved to be negative.

Please find data on the number of samples/poultry holdings that were tested in previous years in the attached Annual Reports on the Avian Influenza Surveillance Programme of years 2009-2013 (attachments 3-7).

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

*(max. 32000 chars) :*

During the last five years there were no positive cases for HPAI in wild birds, in Hungary. The cases proved to be positive for LPAI were the following:

In 2009, there were 8 LPAI positive cases confirmed in wild birds.: 1 LPAI case in March and 7 LPAI cases in December.

In 2010, there were 13 LPAI positive cases confirmed by laboratory tests carried out in wild birds.

In 2011, there were 10 LPAI positive cases confirmed by laboratory tests carried out in wild birds with the following results:  
in mallard (H9) in county Somogy, in mallard (H2) in county Győr-Moson-Sopron, in clinically healthy gulls (H5N2) in county Somogy, in white fronted goose (H3) in county Fejér, in mallard (H11) and in *Anas crecca* (H1N1) in county Somogy, in mallard (H11N2 and H9N2) in county Szabolcs-Szatmár-Bereg, in mallard (H6N8) in county Csongrád and in common pheasant (H9N2) in county Heves.

In 2012, there were 10 Avian influenza virus positive cases confirmed by laboratory tests carried out in wild birds, all of them were Low Pathogenic Avian Influenza virus (LPAI).

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

In county Bács-Kiskun (Tiszaalpár) the H9N2 subtypes were detected in 2 mallards (*Anas platyrhynchos*).

In county Veszprém (Pápafő) the H3N8 subtypes were detected in 3 mallards (*Anas platyrhynchos*).

In county Csongrád (Szeged) the H13 subtypes were shown in 2 yellow-legged gulls (*Larus cachinnans*).

In county Pest (Lórév) the H5 subtypes were shown in 2 mallards (*Anas platyrhynchos*).

In county Fejér (Sárbogárd) the H5 subtype was shown in night heron (*Nycticorax nycticorax*) and H11 subtype in mallard (*Anas platyrhynchos*).

In 2013, there were 9 Avian influenza virus positive cases confirmed by laboratory tests carried out in wild birds, all of them were Low Pathogenic Avian Influenza virus (LPAI).

In county Fejér the H9N2 subtypes were detected in a common pheasant (*Phasianus colchicus*) and in a magpie (*Pica pica*), H6N2 in a great white-fronted goose (*Anser albifrons*) and AI virus positivity (M gene positive, H5 and H7 PCR negative) in a great white-fronted goose (*Anser albifrons*) and in a bean goose (*Anser fabalis*).

In county Komárom-Esztergom H3 subtypes were shown in a magpie (*Pica pica*) and in a mallard (*Anas platyrhynchos*) (N unidentifiable), H6 subtype in a bean goose (*Anser fabalis*) (N unidentifiable) and AI virus positivity (M gene positive, H5 and H7 PCR negative) in a mallard (*Anas platyrhynchos*).

Please find data on the number of wild birds that were tested in previous years in the attached Annual Reports on the Avian Influenza Surveillance Programme of years 2009-2013 (attachments 3-7).

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

(max. 32000 chars) :

In case of finding a suspicious case (dead or moribund or sick bird) the owner or the veterinarian of the holding or the finder of the wild bird should immediately notify the competent authority (i.e. the district veterinary officer or official veterinarian) who decrees about the obligatory measures according to the contingency plan for the control of avian influenza in Hungary. This contingency plan is approved by the Commission in the Commission Decision No. 2004/402/EC and is going to be updated.

Besides the contingency plan the Decree of the Minister of Agriculture and Rural Development No. 143/2007. (XII. 4.) on detailed rules of protection against avian influenza contains measures to be taken in case of suspicion of the disease of avian influenza. See Attachment 2.

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

### 7. Costs

#### 7.1 Detailed analysis of the costs

##### 7.1.1 Poultry

*(max. 32000 chars) :*

In case of monitoring poultry for AI, costs derive from the costs of sampling and from the costs of laboratory investigations. Costs of sampling come from the costs of sampling tubes , wrapping, transport and remuneration of private veterinarians. Costs of laboratory tests are made up of the costs of the method used and from wages of the competent veterinarian and assistants doing laboratory work.

In this multi-annual programme costs are calculated according to Annex I. 1.f) (unit cost for sampling poultry) and 4.g) (unit costs of laboratory tests) to Commission Implementing Decision 2013/722/EU of 29 November 2013 .

##### 7.1.2 Wild birds

*(max. 32000 chars) :*

In case of monitoring wild birds for AI by passive surveillance costs derive from the costs of delivery/sampling and from the costs of laboratory tests. Costs of delivery come from the amount paid to private veterinarians or hunters and it includes the costs of transport, wrapping. Costs of laboratory tests are made up of the costs of the method used and from wages of the competent veterinarian and assistants doing laboratory work.

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

In this multi-annual programme unit costs of laboratory tests are calculated according to Annex I. 4.g) to Commission Implementing Decision 2013/722/EU of 29 November 2013 .

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

7.2 Summary of the annual costs :

7.2.1 Poultry surveillance

Detailed analysis of the cost of the programme - poultry

Targets for year **2015**

Laboratory testing			
Methods of laboratory analysis	Number of tests	Indicative unitary test cost (per method) in € (*)	Total cost (€)
ELISA test	0	3.26	0
agar gel immune diffusion test	0	1.8	0
HI-Test for H5 (specify number of tests for H5)	13 260	9.64	127,826.4
HI-Test for H7 (specify number of tests for H7)	13 260	9.64	127,826.4
Virus isolation test	200	37.87	7574
PCR test	300	19.74	5922
Other test	0	0	0
Sampling			
	Number of samples	Unitary cost in € (*)	Total cost (€)

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

Samples	13 260	1.19	15779.4	
<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>	40 280		284 928,20 €	

(\*) as per cofinancing decision for 2014 programmes

Targets for year **2016**

<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	
HI-Test for H5 (specify number of tests for H5)	13 260	9.64	127,826.4	
HI-Test for H7 (specify number of tests for H7)	13 260	9.64	127,826.4	
Virus isolation test	200	37.87	7574	

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

PCR test	300	19.74	5922	
Other test	0	0	0	
<b>Sampling</b>				
	Number of samples	Unitary cost in € (*)	Total cost (€)	
Samples	13 260	1.19	15779.4	
<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>	40 280		284 928,20 €	

(\*) as per cofinancing decision for 2014 programmes

Targets for year **2017**

<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

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

agar gel immune diffusion test	0	1.8	0	
HI-Test for H5 (specify number of tests for H5)	13 260	9.64	127,826.4	
HI-Test for H7 (specify number of tests for H7)	13 260	9.64	127,826.4	
Virus isolation test	200	37.87	7574	
PCR test	300	19.74	5922	
Other test	0	0	0	
<b>Sampling</b>				
	Number of samples	Unitary cost in € (*)	Total cost (€)	
Samples	13 260	1.19	15779.4	
<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>	40 280		284 928,20 €	

(\*) 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 as referred to in Article 1(d)

### 7.2.2 Wild bird surveillance

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

Targets for year **2015**

Laboratory testing			
Methods of laboratory analysis	Number of tests	Unitary test cost (per method) in € (*)	Total cost (€)
Virus isolation test	150	37.89	5683.5
PCR test	1 440	19.74	28425.6
Other cost	0	0	0
Delivery of wild animals			
	No of wild birds	Eligible cost in € (*)	Total cost (€)
Delivery of wild animals	1 440	10	14400
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 as referred to in Article 1(d)

Other please specify here	0	0	0	X
			Add a new row	
<b>Total wild birds Testing + Delivery + Other measures</b>	3030		48 509,10 €	

(\*) as per cofinancing decision for 2014 programmes

Targets for year **2016**

Laboratory testing			
Methods of laboratory analysis	Number of tests	Unitary test cost (per method) in € (*)	Total cost (€)
Virus isolation test	150	37.89	5683.5
PCR test	1 440	19.74	28425.6
Other cost	0	0	0
Delivery of wild animals			
	No of wild birds	Eligible cost in € (*)	Total cost (€)
Delivery of wild animals	1 440	10	14400

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

Other measures				
	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 + Delivery + Other measures</b>	3030		48 509,10 €	

(\*) 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	150	37.89	5683.5	
PCR test	1 440	19.74	28425.6	
Other cost	0	0	0	
<b>Delivery of wild animals</b>				
	No of wild birds	Eligible cost in € (*)	Total cost (€)	

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

Delivery of wild animals	1 440	10	14400	
Other measures				
	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 + Delivery + Other measures</b>	3030		48 509,10 €	

(\*) as per cofinancing decision for 2014 programmes

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

	Total Cost
<b>Grand Total Poultry + Ducks/Geese</b>	333 437

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

	Total Cost
<b>Grand Total Poultry + Ducks/Geese</b>	333 437

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

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

2017

	Total Cost
<b>Grand Total Poultry + Ducks/Geese</b>	333 437

### 7.3 Co-financing rate:

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

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

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

Based on the Common Financial Framework (CFF), Member States whose gross national income (GNI) per inhabitant based on the latest Eurostat data is less than 90% of the Union average may increase the maximum rate of 50% general rate for grants to 75% of the eligible costs. As for Hungary's GNI per inhabitant based on the latest Eurostat data is less than 90% of the Union average, we would like to ask for the increase u

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

### 7.4 Source of national funding

*Please specify the source of the national funding:*

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

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

Funding for co-financed programs is provided by the state budget. The state budget is laid down in a legal document, called the act on central budget, which forecasts the government expenditures and revenues for the next year. The act is divided to several chapters, titles and subtitles. The title for Union programs supplementary support (on support for the control and eradication of some animal diseases) and the title for Animal, plant and GMO compensation contains the allocated funding for the co-financed programs.

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

### 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
	<b>3705_3245.docx</b>	3705_3245.docx	41 kb
	3705_3246.doc	3705_3246.doc	99 kb
	3705_3247.doc	3705_3247.doc	1577 kb
	3705_3248.doc	3705_3248.doc	102 kb
	3705_3249.doc	3705_3249.doc	129 kb
	3705_3250.doc	3705_3250.doc	104 kb
	3705_3251.doc	3705_3251.doc	324 kb

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

			Total size of attachments :	2377 kb
--	--	--	-----------------------------	---------

*Attachments in RED have an attachment extension that is not allowed. Please remove the file, otherwise submission will not work.*