



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

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

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- 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

Tuesday, May 13, 2014 12:02:47

Submission number

1399975369508-3445



# 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: SUOMI / FINLAND

Disease avian influenza in poultry and wild birds

This program is multi annual:

no

Request of Union co-financing  
from beginning of:

2015

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### 1.1 Contact

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## 2. Description and implementation of the surveillance programme in poultry

### 2.1.1 Designation of the central authority in charge of supervising and coordinating the departments responsible for implementing the programme

(max. 32000 chars) :

The objective and general requirements are in accordance with Article 4(1) of Directive 2005/94/EC , Commission decision 2008/425/EC laying down standard requirements for the submission by Member States of national programmes for the eradication, control and monitoring of certain animal diseases and zoonoses for Community financing and the criteria shall be those described in the Commission Decision on the implementation by Member States of surveillance programmes for avian influenza in poultry and wild birds 2010/367/EU. Working document SANCO/10181/2014 is taken into account. The Central Authority in charge of supervising coordinating the departments responsible for implementing the programme is the Ministry of Agriculture and Forestry, Department of Food. Also the Unit of Animal Health and Welfare of the Control Department of the Finnish Food Safety Authority Evira is in charge of supervising and coordinating the Programme and reporting to the Ministry of Agriculture and Forestry.

The Veterinary Virology Research Unit of the Research and laboratory department of the Finnish Food Safety Authority Evira is in charge of performing the laboratory assays. Eventually the commission reference laboratory Animal Health and Veterinary Laboratories Agency AHVLA/Weybridge is consulted.

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Regional State Administrative Agencies are responsible for the local coordination of the programme. Local official veterinarians are taking the samples from birds which are sampled at farms. Meat-inspection veterinarians working for the Control Department of the Finnish Food Safety Authority Evira are taking the samples at slaughterhouses

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

*(max. 32000 chars) :*

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

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

*(max. 32000 chars) :*

Risk-based sampling is in place targeting production types, which have more risk for AI (e.g. duck and geese holdings and birds intended for re-stocking of supplies of game birds), and geographical areas, where population densities are at highest (south-western part of Finland). The total number of holdings to be sampled in Finland in 2015 for avian influenza will be 203. The total number of samples to be taken from these farms will be 2130 - 2640 depending on the number of sheds per farm at the time of sampling.

- 60 holdings with laying hens
- 42 holdings with chicken breeders
- 35 holdings with free range hens for organic production
- 9 holdings with turkey breeders
- 31 holdings with fattening turkeys
- 6 holdings with ducks and/or geese
- 14 holdings with farmed game birds (gallinaceous)
- 4 holdings with farmed game birds (waterfowl)
- 2 holding with ratites

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

(max. 32000 chars) :

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

Gallus gallus: There are both broiler production and laying hen farms in Finland. However, broiler production flocks are excluded from the survey due to their short life span. There are 296 layer hen farms with more than 100 hens in the IACS data. The average size of these farms is 10 600 hens. There are 62 holdings with chicken breeders and 46 flocks with free range hens for organic production. The total number of holdings with turkey breeders is 9. The number of commercial fattening turkey holdings is 31. The average size of turkey farms is 8 500 birds.

There are 6 farms with at least 40 ducks and/or geese in Finland. There are 14 farms with at least 40 pheasants and 4 farms with at least 40 mallards in the IACS data.

There are no large-scale (> 100 animals) ostrich or emu farms in Finland. There are 2 farms with at least 40 ostriches in Finland according to the IACS data.

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

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

(max. 32000 chars) :

Risk-based sampling is in place targeting production types, which have more risk for AI (e.g. duck and geese holdings and birds intended for re-stocking of supplies of game birds), and geographical areas, where population densities are at highest (south-western part of Finland).

(1) Including maps showing target sampling sites identified as being particularly at risk for the introduction of avian influenza virus, taking into account criteria set out in point 4 of Annex I to Commission Decision 2010/367/EC.

## 2.2 *Target populations (2)*

(max. 32000 chars) :

Gallus gallus: In total 60 farms with laying hens will be randomly selected from the register. Of the 63

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breeding farms, 42 will be randomly selected. Of the 42 holdings with free range hens for organic production, 35 will be randomly selected. Broiler production flocks are excluded from the survey due to their short life span.

Turkeys: All holdings with turkey breeders and commercial fattening turkey holdings will be included in the survey.

Ducks and geese: All farms with at least 40 ducks and/or geese will be included in the survey.

Farmed game birds (gallinaceous): All of farms with at least 40 pheasants will be included in the survey.

Farmed game birds (waterfowl): All of farms with at least 40 mallards will be included in the survey.

Ratites: Farms with at least 40 ostriches will be included in the survey.

(2) including MS specific exceptional circumstances as described in Annex I point 3 of Commission Decision 2010/367/EU)

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### 2.2.1 POULTRY HOLDINGS <sup>(a)</sup> (except ducks, geese and farmed game birds (waterfowl e.g. mallards) to be sampled

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

Targets for year **2015**

Category : chicken breeders

**delete this category**

| NUTS (2) (b) | Total number of holdings(c) | Total number of holdings to be sampled | Number of samples per holding | Total number of tests | Method of laboratory analysis |          |
|--------------|-----------------------------|--|-------------------------------|-----------------------|-------------------------------|----------|
| F119         | 36                          | 24                                     | 15                            | 360                   | HI-test (H5)                  | <b>X</b> |
| F119         | 36                          | 24                                     | 15                            | 360                   | HI-test (H7)                  | <b>X</b> |
| F11B         | 0                           | 0                                      | 15                            | 0                     | HI-test (H5)                  | <b>X</b> |
| F11B         | 0                           | 0                                      | 15                            | 0                     | HI-test (H7)                  | <b>X</b> |
| F11C         | 25                          | 17                                     | 15                            | 255                   | HI-test (H5)                  | <b>X</b> |
| F11C         | 25                          | 17                                     | 15                            | 255                   | HI-test (H7)                  | <b>X</b> |
| F11D         | 1                           | 1                                      | 15                            | 15                    | HI-test (H5)                  | <b>X</b> |
| F11D         | 1                           | 1                                      | 15                            | 15                    | HI-test (H7)                  | <b>X</b> |

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|   |  |  |  |                      |  |
|---|--|--|--|----------------------|--|
| <b>Total</b>  |  |  |  | 1 260                |  |
|   |  |  |  | <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 : 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 |          |
|--------------|-----------------------------|--|-------------------------------|-----------------------|-------------------------------|----------|
| FI19         | 85                          | 18                                     | 15                            | 270                   | HI-test (H5)                  | <b>X</b> |
| FI19         | 85                          | 18                                     | 15                            | 270                   | HI-test (H7)                  | <b>X</b> |
| FI1B         | 15                          | 2                                      | 15                            | 30                    | HI-test (H5)                  | <b>X</b> |
| FI1B         | 15                          | 2                                      | 15                            | 30                    | HI-test (H7)                  | <b>X</b> |
| FI1C         | 159                         | 33                                     | 15                            | 495                   | HI-test (H5)                  | <b>X</b> |
| FI1C         | 159                         | 33                                     | 15                            | 495                   | HI-test (H7)                  | <b>X</b> |
| FI1D         | 35                          | 7                                      | 15                            | 105                   | HI-test (H5)                  | <b>X</b> |
| FI1D         | 35                          | 7                                      | 15                            | 105                   | HI-test (H7)                  | <b>X</b> |
| FI20         | 2                           | 0                                      | 15                            | 0                     | HI-test (H5)                  | <b>X</b> |
| FI20         | 2                           | 0                                      | 15                            | 0                     | HI-test (H7)                  | <b>X</b> |
| Finland      | 296                         | 40                                     | 1                             | 40                    | PCR test                      | <b>X</b> |



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|   |     |    |   |       |                      |          |
|---|-----|----|---|-------|----------------------|----------|
| Finland   | 296 | 40 | 1 | 40    | Virus isolation test | <b>X</b> |
| <b>Total</b>  |     |    |   | 1 880 |                      |          |
| <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 |          |
|----------------------|-----------------------------|--|-------------------------------|-----------------------|-------------------------------|----------|
| F119                 | 17                          | 13                                     | 10                            | 130                   | HI-test (H5)                  | <b>X</b> |
| F119                 | 17                          | 13                                     | 10                            | 130                   | HI-test (H7)                  | <b>X</b> |
| F11B                 | 3                           | 2                                      | 10                            | 20                    | HI-test (H5)                  | <b>X</b> |
| F11B                 | 3                           | 2                                      | 10                            | 20                    | HI-test (H7)                  | <b>X</b> |
| F11C                 | 18                          | 14                                     | 10                            | 140                   | HI-test (H5)                  | <b>X</b> |
| F11C                 | 18                          | 14                                     | 10                            | 140                   | HI-test (H7)                  | <b>X</b> |
| F11D                 | 8                           | 6                                      | 10                            | 60                    | HI-test (H5)                  | <b>X</b> |
| F11D                 | 8                           | 6                                      | 10                            | 60                    | HI-test (H7)                  | <b>X</b> |
| <b>Total</b>         |                             |  |                               | 700                   |                               |          |
| <b>Add a new row</b> |                             |  |                               |                       |                               |          |

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- (a) Holdings or herds or flocks or establishments as appropriate.  
 (b) Refers to the location of the holding of origin. In case NUTS (Nomenclature of Territorial Units for Statistics) can not be used, region as defined in the programme by the Member States is requested  
 (c) Total number of holdings of one category of poultry in concerned NUTS 2 region.

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 |   |
|--------------|-----------------------------|--|-------------------------------|-----------------------|-------------------------------|---|
| F119         | 5                           | 5                                      | 10                            | 50                    | HI-test (H5)                  | X |
| F119         | 5                           | 5                                      | 10                            | 50                    | HI-test (H7)                  | X |
| F11B         | 0                           | 0                                      | 10                            | 0                     | HI-test (H5)                  | X |
| F11B         | 0                           | 0                                      | 10                            | 0                     | HI-test (H7)                  | X |
| F11C         | 3                           | 3                                      | 10                            | 30                    | HI-test (H5)                  | X |
| F11C         | 3                           | 3                                      | 10                            | 30                    | HI-test (H7)                  | X |
| F11D         | 1                           | 1                                      | 10                            | 10                    | HI-test (H5)                  | X |
| F11D         | 1                           | 1                                      | 10                            | 10                    | HI-test (H7)                  | X |
| <b>Total</b> |                             |  |                               | 180                   |                               |   |

Add a new row

- (a) Holdings or herds or flocks or establishments as appropriate.  
 (b) Refers to the location of the holding of origin. In case NUTS (Nomenclature of Territorial Units for Statistics) can not be used, region as defined in the programme by the Member States is requested  
 (c) Total number of holdings of one category of poultry in concerned NUTS 2 region.

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Category : 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 |   |
|--------------|-----------------------------|--|-------------------------------|-----------------------|-------------------------------|---|
| F119         | 21                          | 21                                     | 10                            | 210                   | HI-test (H5)                  | X |
| F119         | 21                          | 21                                     | 10                            | 210                   | HI-test (H7)                  | X |
| F11B         | 0                           | 0                                      | 10                            | 0                     | HI-test (H5)                  | X |
| F11B         | 0                           | 0                                      | 10                            | 0                     | HI-test (H7)                  | X |
| F11C         | 9                           | 9                                      | 10                            | 90                    | HI-test (H5)                  | X |
| F11C         | 9                           | 9                                      | 10                            | 90                    | HI-test (H7)                  | X |
| F11D         | 1                           | 1                                      | 10                            | 10                    | HI-test (H5)                  | X |
| F11D         | 1                           | 1                                      | 10                            | 10                    | HI-test (H7)                  | X |
| <b>Total</b> |                             |  |                               | 620                   |                               |   |
|              |                             |  |                               |                       | <a href="#">Add a new row</a> |   |

(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](#)

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| NUTS (2) (b)         | Total number of holdings(c) | Total number of holdings to be sampled | Number of samples per holding | Total number of tests | Method of laboratory analysis |   |
|----------------------|-----------------------------|--|-------------------------------|-----------------------|-------------------------------|---|
| F119                 | 1                           | 1                                      | 10                            | 10                    | HI-test (H5)                  | X |
| F119                 | 1                           | 1                                      | 10                            | 10                    | HI-test (H7)                  | X |
| F11B                 | 0                           | 0                                      | 0                             | 0                     | HI-test (H5)                  | X |
| F11B                 | 0                           | 0                                      | 0                             | 0                     | HI-test (H7)                  | X |
| F11C                 | 1                           | 1                                      | 10                            | 10                    | HI-test (H5)                  | X |
| F11C                 | 1                           | 1                                      | 10                            | 10                    | HI-test (H7)                  | X |
| F11D                 | 0                           | 0                                      | 0                             | 0                     | HI-test (H5)                  | X |
| F11D                 | 0                           | 0                                      | 0                             | 0                     | HI-test (H7)                  | X |
| <b>Total</b>         |                             |  |                               | 40                    |                               |   |
| <b>Add a new row</b> |                             |  |                               |                       |                               |   |

(a) Holdings or herds or flocks or establishments as appropriate.  
 (b) Refers to the location of the holding of origin. In case NUTS (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 2015</b> | 4 680                 |  |
|                           |                       |  |

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

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

Targets for year **2015**

Category : ducks and 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 |   |
|--------------|---|---|-------------------------------|-----------------------|-------------------------------|---|
| F119         | 1                                       | 1   | 20                            | 20                    | HI-test (H5)                  | X |
| F119         | 1                                       | 1   | 20                            | 20                    | HI-test (H7)                  | X |
| F11B         | 2                                       | 2   | 20                            | 40                    | HI-test (H5)                  | X |
| F11B         | 2                                       | 2   | 20                            | 40                    | HI-test (H7)                  | X |
| F11C         | 1                                       | 1   | 20                            | 20                    | HI-test (H5)                  | X |
| F11C         | 1                                       | 1   | 20                            | 20                    | HI-test (H7)                  | X |
| F11D         | 2                                       | 2   | 20                            | 40                    | HI-test (H5)                  | X |
| F11D         | 2                                       | 2   | 20                            | 40                    | HI-test (H7)                  | X |
| <b>Total</b> |   |   |                               | 240                   |                               |   |
|              |   |   |                               |                       | <a href="#">Add a new row</a> |   |

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

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 |   |
|--------------|---|---|-------------------------------|-----------------------|-------------------------------|---|
| F119         | 0                                       | 0   | 0                             | 0                     | HI-test (H5)                  | X |
| F119         | 0                                       | 0   | 0                             | 0                     | HI-test (H7)                  | X |
| F11B         | 1                                       | 1   | 20                            | 20                    | HI-test (H5)                  | X |
| F11B         | 1                                       | 1   | 20                            | 20                    | HI-test (H7)                  | X |
| F11C         | 0                                       | 0   | 0                             | 0                     | HI-test (H5)                  | X |
| F11C         | 0                                       | 0   | 0                             | 0                     | HI-test (H7)                  | X |
| F11D         | 3                                       | 3   | 20                            | 60                    | HI-test (H5)                  | X |
| F11D         | 3                                       | 3   | 20                            | 60                    | HI-test (H7)                  | X |
| <b>Total</b> |   |   |                               | 160                   |                               |   |

[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 (pheasants)

[delete this category](#)

| NUTS (2) (b) | Total number of duck and geese holdings | Total number of duck and geese holdings to be sampled | Number of samples per holding | Total number of tests | Method of laboratory analysis |  |
|--------------|---|---|-------------------------------|-----------------------|-------------------------------|--|
|--------------|---|---|-------------------------------|-----------------------|-------------------------------|--|

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|              |   |   |    |     |              |   |
|--------------|---|---|----|-----|--------------|---|
| F119         | 2 | 2 | 20 | 40  | HI-test (H5) | X |
| F119         | 2 | 2 | 20 | 40  | HI-test (H7) | X |
| F11B         | 2 | 2 | 20 | 40  | HI-test (H5) | X |
| F11B         | 2 | 2 | 20 | 40  | HI-test (H7) | X |
| F11C         | 4 | 4 | 20 | 80  | HI-test (H5) | X |
| F11C         | 4 | 4 | 20 | 80  | HI-test (H7) | X |
| F11D         | 6 | 6 | 20 | 120 | HI-test (H5) | X |
| F11D         | 6 | 6 | 20 | 120 | HI-test (H7) | X |
| <b>Total</b> |   |   |    | 560 |              |   |

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> | 960                   |  |

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

2015

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| Poultry +Ducks/Geese                    | Total number of tests |
|---|-----------------------|
| <b>Grand Total</b>                      | 5 640                 |
| <b>Grand Total ELISA</b>                | 0                     |
| <b>Grand Total agar</b>                 | 0                     |
| <b>Grand Total HI tests (H5)</b>        | 2 780                 |
| <b>Grand Total HI tests (H7)</b>        | 2 780                 |
| <b>Grand Total Virus Isolation test</b> | 40                    |
| <b>Grand Total PCR test</b>             | 40                    |
| <b>Grand Total Other test</b>           | 0                     |
| <b>Grand Total Samplings</b>            | 0                     |

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

*(max. 32000 chars) :*

Gallus gallus: Blood samples will be taken by municipal veterinary officer on farms except samples from broiler breeding flocks are collected at slaughterhouses. Number of samples: Five samples from each shed and 10 samples per farm as a minimum will be collected to ensure 95 % probability of identifying at least one positive bird if the prevalence of seropositive birds is  $\geq 30\%$ .

Turkeys: Samples are collected at slaughterhouses. 10 blood samples as a minimum per farm will be collected to ensure 95 % probability of identifying at



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least one positive bird if the prevalence of seropositive birds is  $\geq 30\%$ .

Ducks and geese: Samples are taken at slaughter or by municipal veterinary officer on farm. 20 blood samples will be taken for serological testing from each holding.

Farmed game birds (gallinaceous): Samples are taken by municipal veterinary officer on farm or at slaughter. 10 blood samples will be taken for serological testing from each holding.

Farmed game birds (waterfowl): Samples are taken by municipal veterinary officer on farm or at slaughter. 20 blood samples will be taken for serological testing from each holding.

Ratites: Samples are collected at slaughterhouses. The target is to collect 10 blood samples from each holding.

In all kind of holdings samples are collected once a year. Sampling period is the whole year.

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

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

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

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

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

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

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*3.1.1 Designation of the central authority in charge of supervising and coordinating the departments responsible for implementing the programme and relevant collaborating partners (e.g. epidemiologists, ornithologists, nature bird observation and hunter organisations).*

*(max. 32000 chars) :*

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

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

*max. 32000 chars) :*

In principle the sampling covers the whole country. It is difficult to anticipate where the dead birds are found but based on previous experience most samples come from coastal areas in particular Uusimaa (F11B) and Oulu (F11D6).

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

*(max. 32000 chars) :*

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

## 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) :

The sampling covers birds found dead of susceptible species (gulls, water fowl and predators). Sampling is targeted on target species which are listed in Part 2 of Annex II of the Commission Decision 2010/367/EU.

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

- <sup>(3)</sup> *Areas at risk (wetlands in particular where links with high density poultry populations), previous positive findings as referred to in point 2 of Part 1 of Annex II to Commission Decision 2010/367/EC should be taken into account and if possible complemented by a map.*

#### 3.2.1 WILD BIRDS focussed on target species

## 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)

*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 |   |
|-------------------------------|-------------------------------------|--|----------------------|-----------------|---|
| Finland                       | 100                                 | 0  | PCR test             | 240             | X |
| Finland                       | 100                                 | 0  | Virus isolation test | 40              | X |
| <b>Total</b>                  |                                     |  |                      |                 |   |
| <a href="#">Add a new row</a> |                                     |  |                      |                 |   |

(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>       | 280                   |
| <b>Total Virus isolation tests</b> | 40                    |
| <b>Total PCR tests</b>             | 240                   |
| <b>Total Other tests</b>           | 0                     |

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### 3.3 *Sampling procedures and sampling periods*

*max 32000 chars :*

The Finnish Food Safety Authority Evira is responsible for the implementation of the avian influenza surveillance programme for wild birds in Finland. The sampling procedure is in accordance with the Diagnostic Manual. In passive surveillance the Production Animal and Wildlife Health Research unit of Evira in the city of Oulu takes samples from individual necropsied birds when needed. The samples are sent to the Evira central laboratory in Helsinki for virological testing. Sampling period is the whole year.

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

*max 32000 chars :*

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

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

*max 32000 chars :*

Highly pathogenic avian influenza has never been detected in poultry in Finland. H5 antibodies were detected on one geese holding in 2011, 2012 and 2013, but the virus could not be found.

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

(max. 32000 chars) :

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

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

2008 437 21/15

2009 384 23/18

2010 354 16/16

2011 86 0/0

2012 141 1/1

2013 133 0/0

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

(max. 32000 chars) :

Avian influenza is a compulsorily notifiable disease in Finland according to the Act on animal diseases (441/2013). Avian influenza is classified as an easily spreading animal disease according to Decree of Ministry of Agriculture and Forestry No 843/2013, 2 December 2013. Owners and keepers of animals are under an obligation to immediately inform a municipal veterinary officer or regional veterinary officer if they detect any signs of avian influenza. All veterinarians must inform official veterinarian immediately if avian influenza is suspected. Municipal veterinary officer must inform provincial veterinary

## 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)

officer and provincial veterinary officer must inform Finnish Food Safety Authority Evira. Notifications shall be made immediately. Official veterinarians must take immediate steps to ensure the diagnosis and prevent spreading of the disease. The animal holding is placed under restrictions.

### 7. Costs

#### 7.1 Detailed analysis of the costs

##### 7.1.1 Poultry

*(max. 32000 chars) :*

As the number of samples to be taken will depend on the number of sheds per farm, the maximum numbers of samples are described. Costs of sampling are not included. The unit cost of analysis for the HI test is 9,22 euros and for PCR it is 33,96 euros. The cost of virus isolation in eggs is 71,42 euros. The costs of analysis include costs of reagents and laboratory personnel costs. The estimated number of PCR and virus isolation for confirmation is 40.

##### 7.1.2 Wild birds

*(max. 32000 chars) :*

A total of 100 birds (200 samples) will be analysed. The unit cost of analysis for PCR is 33,96 euros. The cost of virus isolation in eggs is 71,42 euros. The costs of analysis include costs of reagents and laboratory personnel costs.

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The estimated number of confirmatory testing is 40.



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7.2 Summary of the annual costs :

7.2.1 Poultry surveillance

Detailed analysis of the cost of the programme - poultry

Targets for year **2015**

| Laboratory testing                              |                   |  |                |
|---|-------------------|--|----------------|
| Methods of laboratory analysis                  | Number of tests   | Indicative unitary test cost (per method) in € (*) | Total cost (€) |
| ELISA test                                      | 0                 | 3.26   | 0              |
| agar gel immune diffusion test                  | 0                 | 1.8  | 0              |
| HI-Test for H5 (specify number of tests for H5) | 2 640             | 9.64   | 25449.6        |
| HI-Test for H7 (specify number of tests for H7) | 2 640             | 9.64   | 25449.6        |
| Virus isolation test                            | 40                | 37.87  | 1514.8         |
| PCR test  | 40                | 19.74  | 789.6          |
| 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  | 2 640             | 6.09              | 16077.6              |          |
|  |                   |                   |                      |          |
| <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<br/>Testing + Sampling + Other measures</b> | 8 000             |                   | 69 281,20 €          |          |

(\*) as per cofinancing decision for 2014 programmes

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7.2.2 Wild bird surveillance

Detail analysis of the cost of the programme - wild birds

Targets for year **2015**

| Laboratory testing             |                  |   |                |
|--------------------------------|------------------|---|----------------|
| Methods of laboratory analysis | Number of tests  | Unitary test cost (per method) in € (*) | Total cost (€) |
| Virus isolation test           | 40               | 37.89                                   | 1515.6         |
| PCR test                       | 240              | 19.74                                   | 4737.6         |
| Other cost                     | 0                | 0                                       | 0              |
|                                |                  |   |                |
| Delivery of wild animals       |                  |   |                |
|                                | No of wild birds | Eligible cost in € (*)                  | Total cost (€) |
| Delivery of wild animals       | 0                | 0                                       | 0              |
|                                |                  |   |                |
| 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<br/>Testing + Delivery + Other measures</b> | 280 |   | 6 253,20 €    |   |

(\*) as per cofinancing decision for 2014 programmes

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

2015

|  |                      |
|--|----------------------|
| <b>Grand Total Poultry + Ducks/Geese</b> | Total Cost<br>75 534 |
|--|----------------------|

### 7.3 Co-financing rate:

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

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

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### 7.4 Source of national funding

*Please specify the source of the national funding:*

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

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

National funding comes from the budget for Food Safety Authority Evira.

## 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    |
|--|-----------------|--|--------------|
|  |                 |  |              |
|  |                 | Total size of attachments :                      | No attachmen |