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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.

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Submission date

Submission number

Tuesday, September 02, 2014 12:47:30

1409651217460-3655

1. *Identification of the programme*

Member state :	KYPROS	
Disease	avian influenza in poultr	y and wild birds
This program is multi annual :	no	
Request of Union co-financing from beginning of:	2015	

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 Veterinary Services of the Ministry of Agriculture, Environment and Natural Recourses are responsible for the implementation of the control programme of Avian Influenza. Within the Veterinary Services, the Animal Health and Welfare Division is responsible for the coordination and supervision of the programme. The five District Veterinary Offices with the five Rural Veterinary Stations are responsible for the collection and transport of samples to the Laboratories of the Veterinary Services.

2.1.2 System in place for the registration of holdings

(max. 32000 chars):

BREEDING HOLDINGS

The central authority has registered officially all holdings with breeding flocks according to K. Δ . Π . 317/2002, which transfers Directive 90/539/EEC into Cyprus national law.

LAYING FARMS

The central authority has registered officially all holdings with layer flocks according to K.Δ.Π. 761/2003, which transfers Directives 1999/74/EC and 2002/4/EC into Cyprus national law. According to this all laying hen holdings of more than 350 laying hens should be registered with the Veterinary Services. Packing centres are registered according to Cyprus national law N. 276(I)2004.

BROILER FARMS

There is no legal basis for the registration of broiler farms. However the Veterinary Services keep a database with the broiler farms.

TURKEYS

There are no turkey breeding flocks in Cyprus. Day-old chicks are imported from Member States to broiler farms for fattening and slaughter for the period of Christmas.

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

(max. 32000 chars):

The programme will be implemented from 1st January 2015 until 31 December 2015.

All samples are to be tested in the NRL of Cyprus and in case of positive results, samples will be sent to the CRL for confirmation.

Surveillance is based on representative sampling.

Based on the different types of poultry holdings operating in Cyprus, samples are to be taken from chickens (breeding hens, laying hens, free range laying hens and free range broilers), fattening turkeys, quails and partridges according to Commission Decision 2010/367/EU. Moreover, samples will be collected from backyard poultry in areas defined as high risk.

SAMPLING

Blood sampling for serological examination will be collected from 10 birds per holding or in cases of holdings consisting of more than one shed from 5 birds per shed.

All holdings of each species will be included in the sampling frame for serological examination.

Sampling scheme in breeding flocks

All parent stock is imported to Cyprus as day-old chicks. There are 4 breeding companies, who own in total 8 approved holdings housing breeding flocks, with a total of 25 sheds. Day-old chicks are sold to laying hen or broiler farms within Cyprus. It is estimated that 125 blood samples will be collected and tested from breeding flocks (25 sheds * 5 birds sampled per shed).

Sampling scheme in broilers

There are 2 free range broiler farms, which will be included in the sampling frame for the surveillance of Avian Influenza, with a total of 6 sheds. It is estimated that 35 blood samples will be collected and tested from free range broiler flocks (1st farm: 5 sheds*5 birds sampled per shed and 2nd farm:1 shed*10 birds sampled).

Sampling scheme in layers

There are 27 conventional laying hen holdings with 59 sheds. 10 blood samples will be collected from holdings having 1 shed and 5 blood samples per shed in holding with more than 1 shed. It is estimated that 340 blood samples will be collected and tested from conventional laying flocks.

There are 11 free range and organic laying holdings, with a total of 27 sheds. It is estimated that 140 blood samples will be collected and tested from free range and organic laying flocks.

Sampling scheme in turkey holdings

There are no breeding farms for turkeys in Cyprus. Based on the number of flocks for 2013, it is estimated that 6 holdings will place turkeys for fattening, with a total of 8 sheds. It is estimated that 65 blood samples will be collected and tested from turkeys flocks (5 holdings with 1 shed: 5 sheds*10 birds sampled=50 samples and 1 holding with 3 sheds: 3 sheds*5 birds sampled per shed=15 samples).

Sampling scheme in partridges

There are 4 holdings for partridges with an average of 2 sheds per holding. It is estimated that 40 blood samples will be collected and tested from partridge flocks (8 sheds*5 birds sampled per shed).

Sampling scheme for quails:

There are 3 quail holdings. It is estimated that 30 blood samples will be collected and tested from quail flocks (3 sheds*10 birds sampled per shed).

Sampling scheme in duck, goose and mallard holdings

There are no duck, goose or mallard holdings in Cyprus. In case such holdings are operating in 2015, 20 blood samples will be collected and tested per holding.

Sampling scheme in backyard poultry

Blood samples from backyard poultry will be collected from high risk areas in Cyprus. According to the 2006 census there were 1247 backyard holdings in these high risk areas. It is estimated that 600 blood samples will be collected and tested from 60 backyard holdings (60 sheds * 10 birds sampled per shed).

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

(max. 32000 chars):

BREEDING FLOCKS GALLUS GALLUS

In Cyprus there are only 4 breeding companies which have in total 6 breeding holdings and 3 hatcheries. There are in total 23 sheds housing parent stock for broilers and 2 sheds housing parent stock for layers. LAYING FLOCKS GALLUS GALLUS

There are 27 conventional laying hen holdings with 59 sheds and 11 free range and organic laying holdings with 27 sheds.

BROILER FLOCKS GALLUS GALLUS

There are 87 broiler farms operating in Cyprus, out of which only 2 are free range broiler farms.

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

(max. 32000 chars):

The surveillance programme is based on Representative Sampling, according to Annex I to Commission Decision 2010/367/EU.

Due to the small number of holdings in each poultry category, all poultry holdings will be tested in the framework of the surveillance programme.

(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):

Samples are to be taken from chickens (breeding hens, laying hens, free range laying hens and free range broilers), fattening turkeys, quails, partridges and backyard poultry.

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

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

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

Targets for year 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	
CY00		8	8	15	125	HI-test (H5)	X
CY00		8	8	15	125	HI-test (H7)	X
	Total				250		
						Add a new row	

Holdings or herds or flocks or establishments as appropriate.

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

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

Category: laying hens

delete this category

NUTS (2) (b)	Total number of holdings(c)	Total number of holdings to be sampled	Number of samples per holding	Total number of tests	Method of laboratory analysis	
CY00	27	27	15	340	HI-test (H5)	X
CY00	27	27	15	340	HI-test (H7)	X
Total				680		
					Add a new row	

Holdings or herds or flocks or establishments as appropriate.

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 to Total number of holdings of one category of poultry in concerned NUTS 2 region.

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	
CY00	11	11	15	140	HI-test (H5)	X
CY00	11	11	15	140	HI-test (H7)	X
Total				280		
					Add a new row	

(a) (b) (c)

Holdings or herds or flocks or establishments as appropriate.

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

Category: broilers (only when at risk)

delete this category

	NUTS (2) (b)	Total number of holdings(c)	Total number of holdings to be sampled	Number of samples per holding	Total number of tests	Method of laboratory analysis	
CY00		2	2	20	35	HI-test (H5)	X
CY00		2	2	20	35	HI-test (H7)	X
	Total				70		
						Add a new row	

Holdings or herds or flocks or establishments as appropriate.

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

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	
CY00	6	6	15	65	HI-test (H5)	X
CY00	6	6	15	65	HI-test (H7)	X

	Total	130
		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: 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	
CY00		7	7	10	70	HI-test (H5)	X
CY00		7	7	10	70	HI-test (H7)	X
	Total				140		
						Add a new row	

 $Holdings\ or\ herds\ or\ flocks\ or\ establishments\ as\ appropriate.$

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 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	
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CY00		1 247	60	10	600	HI-test (H5)	X
CY00		1 247	60	10	600	HI-test (H7)	X
	Total				1 200		
					Add a new row		
						Add a new row	

Add a category

Totals	Total number of tests	
Total poultry 2015	2 750	

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: N/A delete this category Fotal number of duck and geese holdings to be Total number of duck and Number of samples per holding Total number of tests Method of laboratory analysis CY00 0 0 PCR test **Total** Add a new row 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 Total number of tests Total ducks and geese 2015 0

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

2015

Poultry +Ducks/Geese	Total number of tests
Grand Total	2 750
Grand Total ELISA	0
Grand Total agar	0
Grand Total HI tests (H5)	1 375
Grand Total HI tests (H7)	1 375
Grand Total Virus Isolation test	0
Grand Total PCR test	0
Grand Total Other test	0
Grand Total Samplings	0

2.3 Sampling procedures, sampling periods and frequency of testing

(max. 32000 chars):

Sampling from all categories of poultry holdings (breeding, conventional laying hen, free range laying hen, free range broiler, fattening turkey, partridge, quail and backyard) will be distributed throughout the year.

ANNEX 4: Standard requirements for the submission of surveillance programmes for avian nfluenza 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) According to Chapter VIII of the Annex to Commission Decision 2006/437/EC. HI serological testing is used for the present of antibodies H5 and H7 subtypes

- 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 Veterinary Services of the Ministry of Agriculture, Environment and Natural Recourses are responsible for the implementation of the control programme of Avian Influenza.

Within the Veterinary Services, the Animal Health and Welfare Division is responsible for the coordination and supervision of the programme. The five District Veterinary Offices with the five Rural Veterinary Stations are responsible for the collection and transport of samples to the Laboratories of the Veterinary Services.

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

max. 32000 chars):

Samples for PCR will be collected from wild birds in high risk areas.

Collection of dead or moribund wild birds for sampling in the frame of the A.I. surveillance programme is performed in collaboration with the Game fund, a governmental service. It must be noted that the presence in Cyprus of birds listed in part 2 of Annex II of Commission Decision 2010/367/EC depends mainly on the weather conditions in the island during the winter and that according to the Game Fund's data the Bean Goose (Anser fabalis) does not pass from Cyprus.

Passive surveillance

Birds found dead or moribund in high risk areas will be collected and examined for Al virus.

3.1.3 Estimation of the local and/or migratory wildlife population

(max. 32000 chars):

Monitoring of local and migratory wildlife population is performed by the Game Fund. According to its reports there was an increase in the number of migratory birds, including waterfowl, until the 1st semester of 2013, due to the higher lever of rainfall. However, during the 2nd semester of 2013 and the beginning of 2014, drought conditions were observed in the region. In general the number of migratory wild birds depends on the weather conditions (rainfall and temperature) each year.

3.2 Design, criteria, risk factors and target population(3)

(max. 32000 chars)

The surveillance programme for Avian Influenza in wild birds aims at the early detection of HPAI viruses of the subtype H5N1 in wild birds in order to prevent the introduction of the infection in poultry.

Samples for PCR will be collected from wild birds in high risk areas.

Game fund is a governmental service that cooperates with veterinary services and provides dead or injured wild birds that can be sampled for the A.I. surveillance program. The samples will be either a) oropharyngeal and/or cloacal swabs from injured birds, or b) faeces, cloacal swabs, tracheal/oropharyngeal swabs or tissues (brain, heart, lung, kidney and intestines) from dead birds.

It must be noted that the presence in Cyprus of birds listed in part 2 of Annex II of Commission Decision 2010/367/EU depends mainly on the weather conditions in the island during the winter. It can not be ensured that samples from all the species of these wild birds will be collected. It must also be noted that according to the Game Fund's data the Bean Goose (Anser fabalis) does not pass from Cyprus.

Passive surveillance

Birds found dead or moribund in high risk areas will be collected and examined for Al virus. Based on the experience of previous years, it is expected to examine around 180 samples from approximately 180 birds.

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

3.2.1 WILD BIRDS 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	
CY00	180	180	PCR test	180	X
Total					
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
Total number of tests	180
Total Virus isolation tests	0
Total PCR tests	180
Total Other tests	0

ANNEX 4 : Stand	dard requirements	for the submissior	n of surveillance	programmes fo	r avian
influenza in poul	try and wild birds a	as referred to in A	rticle 1(d)		

mu	eriza ili poditi y arid wild birds as referred to ili Article T(d)
3.3	Sampling procedures and sampling periods

max 32000 chars :

Sampling from wild birds found dead or moribund will performed throughout the year.

All samples will be submitted to the Laboratories of the Veterinary Services.

3.4 Laboratory testing: description of the laboratory tests used

max 32000 chars:

According to Chapter V and Chapter VI of the Annex to Commission Decision 2006/437/EC. RealTime-RT-PCR

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

max 32000 chars:

No avian influenza virus was detected in samples collected from poultry farms in the framework of the surveillance programmes carried out by the Veterinary Services during the last years.

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)
5. Description of the epidemiological situation of the disease in wild birds during the last five years
(max. 32000 chars): No HPAI virus was detected in wild birds sampled in the framework of the surveillance programmes. However H1N1 was detected in wild birds in August 2006.
6. Measures in place as regards the notification of the disease
(max. 32000 chars): According to Animal Health Laws of 2001 until 2012, any case or suspicion of Avian influenza should be notified to the Veterinary Services. Confirmed cases will be notified to the EU through ADNS and OIE according to the relevant legislation provisions.

7. Costs

7.1 Detailed analysis of the costs

7.1.1 Poultry

(max. 32000 chars):

The cost of the surveillance programme for poultry consists of the cost for the sampling of the birds and the cost of the tests performed on samples collected.

7.1.2 Wild birds

(max. 32000 chars):

The cost of the surveillance programme for wild birds consists of the cost for the sampling of the birds and the cost of the tests performed on samples collected.

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)	1 375	9.64	13255
HI-Test for H7 (specify number of tests for H7)	1 375	9.64	13255
Virus isolation test	0	37.87	0
PCR test	0	19.74	0
Other test	0	0	0
Sampling			
	Number of samples	Unitary cost in € (*)	Total cost (€)

Samples	1 375	2.81	3863.75	
Other measures				
	Number of samples	Unitary cost in €	Total cost (€)	
Other please specify here	0	0	0	X
			Add a new row	
Total poultry Testing + Sampling + Other measures	4 125		30 373,75 €	

^(*) as per cofinancing decision for 2014 programmes

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	0	37.89	0
PCR test	180	19.74	3553.2
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 (€)

Other please specify here	0	0	0	Х
			Add a new row	
Total wild birds Testing + Delivery + Other measures	180		3/553,20 €	

(*) as per cofinancing decision for 2014 programmes

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

2015

	Total Cost
Grand Total Poultry + Ducks/Geese	33 926

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:

Oup to 75% for the measures detailed below

Oup 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)
The programme will be funded by the budget of the Veterinary Services.

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 <u>SEVERAL MINUTES TO UPLOAD</u> 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
3655_3195.ocx	3655_3195.ocx	19 kb
	Total size of attachments :	19 kb

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