



EUROPEAN COMMISSION  
HEALTH & CONSUMERS DIRECTORATE-GENERAL

Unit G5 - Veterinary Programmes

**SANCO/10818/2012**

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

## **Survey programme for Bluetongue**

**Approved\* for 2012 by Commission Decision 2011/807/EU**

**Finland**

\* in accordance with Council Decision 2009/470/EC

# Standard requirement for the submission of programme for eradication, control and monitoring

version : 2.1

## 1. Identification of the programme

Member state : SUOMI / FINLAND

Disease : Bluetongue in endemic or high risk areas

Species : Bovines and sheep and goats

This program is multi annual : yes

Year of the multi annual request : first year

Request of Community co-financing from beginning of:

2012

To end of

2014

# Standard requirement for the submission of programme for eradication, control and monitoring

version : 2.1

## 1.1 Contact

Name : Katri Levonen

Phone : +358916053437

Fax. : +358916053338

Email : katri.levonen@mmm.fi

## 2. Historical data on the epidemiological evolution of the disease

*A concise description is given with data on the target population (species, number of herds and animals present and under the programme), the main measures (testing, testing and slaughter, testing and killing, qualification of herds and animals). The information is given for distinct periods if the measures were substantially modified. The information is documented by relevant summary epidemiological tables, graphs or maps.*

(max. 32000 chars) :

Bluetongue has never been detected in Finland. However, the disease has been detected in the neighbouring country Sweden, and a fairly northern country Norway, thus possessing a danger that the disease might spread into Finland.

## 3. Description of the submitted programme

*A concise description of the programme is given with the main objective(s) (monitoring, control, eradication, qualification of herds and/or regions, reducing prevalence and incidence), the main measures (testing, testing and slaughter, testing and killing, qualification of herds and animals, vaccination), the target animal population and the area(s) of implementation and the definition of a positive case.*

(max. 32000 chars) :

The aim of the program is to detect bluetongue as soon as possible in case the disease would enter into Finland.

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Enforced surveillance is applied to the coastal areas in the south and south-west (Area A). If bluetongue would spread into Finland by airborne route the first places to be affected would most probably be the coastal areas towards Sweden and probably towards Estonia and Russia. In the two latter country, however, no virus circulation of BTV has been reported. In Sweden the bluetongue cases which have been detected have been situated in the southern part of the country.

In the enforced surveillance program bulk milk samples from every dairy herd are analysed 3 times a year: in August, September and November. Blood samples from beef cattle from Area A are analysed.

The rest of Finland except the most Northern areas Pohjois-Pohjanmaa, Kainuu and Lappi are taken into the basic surveillance program (Area B).

Imported cattle and other animals susceptible to bluetongue are random sampled. These samples are tested by PCR.

All other samples but imported animals are tested serologically by ELISA. In case of positive serology, samples for detecting the BT virus (by PCR) are taken. In case of positive PCR the animal is concerned BT positive.

Vaccination plan covers the coastal area where BT is most probable to enter the country. Vaccination will only take place after there has been bluetongue cases in Finland.

### **4. Measures of the submitted programme**

#### **4.1 Summary of measures under the programme**

Duration of the programme : 2012 - 2014

##### **First year :**

- Control
- Testing
- Slaughter and animals tested positive
- Killing of animals tested positive
- Vaccination
- Treatment
- Disposal of products
- Eradication, control or monitoring

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## Last year :

- Eradication
- Testing
- Slaughter of positive animals
- Killing of animals tested positive
- Extended slaughter or killing
- Disposal of products

Other, please specify

## 4.2 Organisation, supervision and role of all stakeholders involved in the programme

Describe the authorities in charge of supervising and coordinating the departments responsible for implementing the programme and the different operators involved. Describe the responsibilities of all involved.

(max. 32000 chars) :

Ministry of Agriculture and Forestry, Finnish Food Safety Authority Evira. In case of positive samples Regional State Administrative Agencies and local official veterinarians.

## 4.3 Description and demarcation of the geographical and administrative areas in which the programme is to be implemented

Describe the name and denomination, the administrative boundaries, and the surface of the administrative and geographical areas in which the programme is to be applied. Illustrate with maps.

(max. 32000 chars) :

Enforced surveillance (Area A) coastal area in the south: Ahvenanmaa, Varsinais-Suomi, Uusimaa and parts of Satakunta, Häme, Kymenlaakso, Kaakkois-Suomi.  
Basic surveillance (Area B), the rest of Finland except the most northern part of the country: Pohjanmaa, Etelä-Pohjanmaa, Keski-Suomi, Pirkanmaa, Pohjois-Savo, Etelä-Savo, Pohjois-Karjala and parts of Pohjois-Pohjanmaa, Satakunta, Häme, Kaakkois-Suomi.

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## 4.4 Description of the measures of the programme

A comprehensive description needs to be provided of all measures unless reference can be made to community legislation. The national legislation in which the measures are laid down is mentioned.

### 4.4.1 Notification of the disease

(max. 32000 chars) :

The disease is notified according to ADNS; Council Directive 82/894/EEC as last amended by Commission Decision 2008/650/EC. Commission decision 2005/176/EC.

### 4.4.2 Target animals and animal population

(max. 32000 chars) :

Dairy cattle, beef cattle, sheep, goats. Imported animals susceptible to BT.

### 4.4.3 Identification of animals and registration of holdings

(max. 32000 chars) :

The identifications can be obtained from cattle register and sheep and goat register (Evira).

### 4.4.4 Qualifications of animals and herds

(max. 32000 chars) :

All dairy herds and all beef cattle herds in the Area A are included. In the area B 10% of dairy herds chosen by random sampling. Sheep and goat farms, which send blood samples to other eradication programs are sampled in the Area A. Imported animals by random sampling.

### 4.4.5 Rules of the movement of animals

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*(max. 32000 chars) :*

In case of a positive herd for BT zoning according to the Directive 2000/75/EC will take place.

### **4.4.6 Tests used and sampling schemes**

*(max. 32000 chars) :*

Tests used are antibody ELISA and PCR for BT. Tests are performed in the national reference laboratory Finnish Food Safety Authority Evira.

The Dairy herds in the Area A are tested 3 times a year: August, September and November. The Area B is tested once a year. Beef cattle, sheep and goat samples are tested once a year. PCR tests are performed in case of positive antibody assays and from the samples obtained from imported animals.

### **4.4.7 Vaccines used and vaccination schemes**

*(max. 32000 chars) :*

Vaccination would be used only in case of emergency.

### **4.4.8 Information and assessment on bio-security measures management and infrastructure in place in the holdings involved.**

*(max. 32000 chars) :*

For biosecurity in Finnish dairy farms, only invited visitors are allowed and they, too, should change into protective clothing provided by the farm.

### **4.4.9 Measures in case of a positive result**

*A short description is provided of the measures as regards positive animals (slaughter, destination of carcasses, use or treatment of animal products, the destruction of all products which could transmit the disease or the treatment of such products to avoid any possible contamination, a procedure for the disinfection of infected holdings, the therapeutic or preventive treatment chosen, a procedure for the restocking with healthy animals of holdings which have been depopulated by slaughter and the creation of a surveillance zone around infected holding)*

*(max. 32000 chars) :*

In case of a positive results zoning according to the directive 2000/75/EC will take place. The farms within zones are tested. If there are only a few positive farms culling of all the animals susceptible to BT in the farm will take place. If BT would already be more widespread the vaccination program will take place.

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### **4.4.10 Compensation scheme for owners of slaughtered and killed animals**

*(max. 32000 chars) :*

The compensation will be given according to the national legislation, Eläintautilaki 80/55.

### **4.4.11 Control on the implementation of the programme and reporting**

*(max. 32000 chars) :*

Evira will control the implication of the programme and report via the Ministry of Agriculture and Forestry.

## **5. Benefits of the programme**

*A description is provided of the benefits for farmers and society in general*

*(max. 32000 chars) :*

Bluetongue has never been detected in Finland. However, during 2006-2008 bluetongue was spreading very rapidly in EU area and reached Sweden and later Norway. The benefit of this program is to notice as soon as possible if bluetongue is spreading into Finland. If BT would enter into Finland.



## 6. Data on the epidemiological evolution during the last five years

Data already submitted via the online system for the years 2006 - 2009 :

yes

### 6.1 Evolution of the disease

Evolution of the disease :  Not applicable  Applicable...

### 6.2 Stratified data on surveillance and laboratory tests

### 6.2.1 Stratified data on surveillance and laboratory tests for year :

**2010**

Region	Animal Species	Test Type	Test Description	Number of samples tested	Number of positive samples
<b>Area A+B</b>	Bovine	serological test	<b>Elisa, milk</b>	946	0
<b>whole country</b>	Bovine	microbiological or virological test	<b>PCR</b>	64	0
<b>whole country</b>	Bovine	serological test	<b>Elisa, serum</b>	2 626	0
<b>Ahvenanmaa</b>	Sheep	serological test	<b>Elisa, serum</b>	29	0
<b>Ahvenanmaa and Varsinais-Suomi</b>	wild cervids	serological test	<b>Elisa, serum</b>	22	0
<b>Total</b>				3 687	
<b>ADD A NEW ROW</b>					

### 6.3 Data on infection

Data on infection

Not applicable

Applicable...

#### 6.4 Data on the status of herds

Data on the status of herds :

Not applicable

Applicable...

6.5 Data on vaccination or treatment programmes

Data on vaccination or treatment programmes is  Not applicable  Applicable...

6.6 Data on wildlife

Data on Wildlife is:  Not applicable  Applicable...

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## 7. Targets

The blocks 7.1.1, 7.1.2.1, 7.1.2.2, 7.2, 7.3.1 and 7.3.2 are repeated multiple times in case of first year submission of multiple program.

### 7.1 Targets related to testing (one table for each year of implementation)

#### 7.1.1 Targets on diagnostic tests for year : **2012**

Region	Type of the test	Target population	Type of sample	Objective	Number of planned tests
Area A	ELISA	Bovines	milk	surveillance	3 807
Area A	ELISA	Sheep and goat	serum	surveillance	15
Import	PCR	Bovines	serum	surveillance	90
Import	PCR	Sheep and goat	serum	surveillance	15
<b>Total</b>					3 927
<b>Add a new row</b>					

**7.1.1 Targets on diagnostic tests for year: 2013**

Region	Type of the test	Target population	Type of sample	Objective	Number of planned tests	
Area A	ELISA	Bovines	milk	surveillance	3 807	<b>X</b>
Area A	ELISA	Sheep and goat	serum	surveillance	15	<b>X</b>
Import	PCR	Bovines	serum	surveillance	90	<b>X</b>
Import	PCR	Sheep and goat	serum	surveillance	15	<b>X</b>
<b>Total</b>					3 927	
<b>Add a new row</b>						

**7.1.1 Targets on diagnostic tests for year: 2014**

Region	Type of the test	Target population	Type of sample	Objective	Number of planned tests	
Area A	ELISA	Bovines	milk	surveillance	3 807	<b>X</b>
Area A	ELISA	Sheep and goat	serum	surveillance	15	<b>X</b>
Import	PCR	Bovines	serum	surveillance	90	<b>X</b>
Import	PCR	Sheep and goat	serum	surveillance	15	<b>X</b>

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		<b>Total</b>	3 927
		<b>Add a new row</b>	

7.1.2 Targets on testing herds and animals

7.1.2.1 Targets on testing herds

Not applicable

Applicable...

7.1.2.1 Targets on the testing of herds for year: **2012**

Region	Animal species	Total number of herds under the programme	Total number of herds	Number of herds under the programme	Number of herds expected to be checked	Number of expected positive herds	Number of expected new positive herds	Number of herds expected to be depopulated	% positive herds expected to be depopulated	Target indicators			
										Expected % herd coverage	% positive herds Expected period herd prevalence	% new positive herds Expected herd incidence	
Area A	Bovines, Dairy	1 269	1 269	1 269	1 269	0	0	0	0	100	0	0	<b>X</b>
Area A	Bovines, Beef	386	386	386	386	0	0	0	0	100	0	0	<b>X</b>
Area A	Sheep	733	15	15	15	0	0	0	0	100	0	0	<b>X</b>
Area A	Goats	125	5	5	5	0	0	0	0	100	0	0	<b>X</b>

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<b>Total</b>	2 513	1 675	1 675	0	0	0	0	0	100	0	0
									<b>Add a new row</b>		

7.1.2.1 Targets on the testing of herds for year: **2013**

Region	Animal species	Total number of herds of the programme	Total number of herds under the programme	Number of herds checked	Number of expected positive herds	Number of expected new positive herds	Number of herds expected to be depopulated	% positive herds expected to be depopulated	Target indicators		
									Expected % herd coverage	% positive herds Expected period herd prevalence	% new positive herds Expected herd incidence
Area A	Bovines, Dairy	1 269	1 269	1 269	0	0	0	0	100	0	0
Area A	Bovines, Beef	386	386	386	0	0	0	0	100	0	0
Area A	Sheep	733	15	15	0	0	0	0	100	0	0
Area A	Goats	125	5	5	0	0	0	0	100	0	0
<b>Total</b>		2 513	1 675	1 675	0	0	0	0	100	0	0
									<b>Add a new row</b>		

7.1.2.1 Targets on the testing of herds for year: **2014**





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Region	Species	Total number of animals	Number of animals under the programme	Number of animals expected to be tested	Number of animals to be tested individually	Number of expected positive animals	Number of animals with positive result expected to be slaughtered or culled	Total number of animals expected to be slaughtered	Expected % coverage at animal level	% positive animals (Expected animal prevalence)
Whole country	Bovine	90	90	90	90	0	0	0	100	0
Whole country	Sheep	10	10	10	10	0	0	0	100	0
<b>Total</b>		100	100	100	100	0	0	0	100	0
<b>Add a new row</b>										

7.1.2.2 Targets on the testing of animals for year : **2013**

Region	Species	Total number of animals	Number of animals under the programme	Number of animals expected to be tested	Number of animals to be tested individually	Number of expected positive animals	Slaughtering				Target indicators	
							Number of animals with positive result expected to be slaughtered or culled	Total number of animals expected to be slaughtered	Expected % coverage at animal level	% positive animals (Expected animal prevalence)		
Whole country	Bovine	90	90	90	90	0	0	0	100	0	0	0
Whole country	Sheep	10	10	10	10	0	0	0	100	0	0	0
<b>Total</b>		100	100	100	100	0	0	0	100	0	0	0
<b>Add a new row</b>												

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7.1.2.2 Targets on the testing of animals for year : **2014**

Region	Species	Total number of animals	Number of animals under the programme	Number of animals expected to be tested	Number of animals to be tested individually	Number of expected positive animals	Slaughtering		Target indicators		
							Number of animals with positive result expected to be slaughtered or culled	Total number of animals expected to be slaughtered	Expected % coverage at animal level	% positive animals (Expected animal prevalence)	
Whole country	Bovine	90	90	90	90	0	0	0	100	0	X
Whole country	Sheep	10	10	10	10	0	0	0	100	0	X
<b>Total</b>		100	100	100	100	0	0	0	100	0	
<b>Add a new row</b>											

7.2 Targets on qualification of herds and animals

Targets on qualification of herds and animals  Not applicable  Applicable...

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### 7.3 Targets on vaccination or treatment

7.3.1 Targets on vaccination or treatment is  Not applicable  Applicable...

7.3.2 Targets on vaccination or treatment of wildlife is  Not applicable  Applicable...

## 8. Detailed analysis of the cost of the programme for year: 2012

The blocks are repeated multiple times in case of first year submission of multiple program.

1. Testing						
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested
Cost of analysis	Elisa (milk)	Pooled sample test	3 807	1.62	6167,34	yes <b>X</b>
Cost of analysis	Elisa (serum antibody detection)	Pooled sample test	15	1.62	24,3	yes <b>X</b>
Cost of analysis	PCR (animal samples)	Individual animal sample/test	90	10.02	901,8	yes <b>X</b>
Cost of analysis	PCR (animal samples)	Individual animal sample/test	10	10.02	100,2	yes <b>X</b>
					<b>Add a new row</b>	
2. Vaccination or treatment						
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested
					<b>Add a new row</b>	
3. Slaughter and destruction						
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested

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						<b>Add a new row</b>	
<b>4. Cleaning and disinfection</b>							
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested	
							<b>Add a new row</b>
<b>5. Salaries (staff contracted for the programme only)</b>							
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested	
							<b>Add a new row</b>
<b>6. Consumables and specific equipment</b>							
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested	
							<b>Add a new row</b>
<b>7. Other costs</b>							
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested	
							<b>Add a new row</b>
<b>Total</b>					7 193,64 €		

## 8. Detailed analysis of the cost of the programme for year: 2013

The blocks are repeated multiple times in case of first year submission of multiple program.

1. Testing						
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested
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Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested
					<b>Add a new row</b>	
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Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested

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						<b>Add a new row</b>	
<b>4. Cleaning and disinfection</b>							
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested	
							<b>Add a new row</b>
<b>5. Salaries (staff contracted for the programme only)</b>							
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested	
							<b>Add a new row</b>
<b>6. Consumables and specific equipment</b>							
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested	
							<b>Add a new row</b>
<b>7. Other costs</b>							
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested	
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<b>Total</b>					7 193,64 €		



## 8. Detailed analysis of the cost of the programme for year: **2014**

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					<b>Add a new row</b>	
2. Vaccination or treatment						
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested
					<b>Add a new row</b>	
3. Slaughter and destruction						
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested

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							Add a new row
<b>4. Cleaning and disinfection</b>							
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested	
							Add a new row
<b>5. Salaries (staff contracted for the programme only)</b>							
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested	
							Add a new row
<b>6. Consumables and specific equipment</b>							
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested	
							Add a new row
<b>7. Other costs</b>							
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested	
							Add a new row
<b>Total</b>					7 193,64 €		

## Attachments

**IMPORTANT :**

- 1) The more files you attach, the longer it takes to upload them .
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- 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.
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