



EUROPEAN COMMISSION  
HEALTH AND CONSUMERS DIRECTORATE-GENERAL

Director General

SANCO/10205/2013

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

## **Eradication and monitoring programme for Bluetongue**

**Czech Republic**

**Approved\* for 2013 by Commission Decision 2012/761/EU**

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

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

version : 2.2

## 1. Identification of the programme

Member state : CESKA REPUBLIKA

Disease : Bluetongue in endemic or high risk areas

Species : Bovines and sheep and goats

This program is multi annual : no

Request of Community co-financing for  
year :

2013

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

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## 1.1 Contact

Name : Petr Satran, DVM, Ph.D.

Phone : +420227010150

Fax. : +420227010195

Email : epiz@svscr.cz

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

*Provide a concise description on the target population (species, number of herds and animals present and under the programme), the main measures (sampling and testing regimes, eradication measures applied, qualification of herds and animals, vaccination schemes) and the main results (incidents, prevalence, 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 (point 6), complemented by graphs or maps (to be attached).*

*(max. 32000 chars) :*

The eight outbreak of bluetongue, serotype 8 was confirmed in Germany (Saxony) on 14-th December 2007 and restricted zone of 150 km encroached on further part of the territory of the Czech Republic – Region Liberec, Central-Bohemian Region, Region Hradec Králové.

Due to new epidemiological situation, monitoring program for bluetongue was established in November 2007.

In the period from 1-st October 2007 until 31-st December 2009 14 outbreaks of bluetongue were detected in the Czech Republic. In 2010 and in 2011 was detected non positive case of bluetongue. Since 24 November 2011 is the Czech Republic free of bluetongue virus.

## 3. Description of the submitted programme

*Provide a concise description of the programme with its main objective(s) (monitoring, control, eradication, qualification of herds and/or regions, reducing prevalence and incidence), the main measures (sampling and testing regimes, eradication measures to be applied, qualification of herds and animals, vaccination schemes), the target animal population, the area(s) of implementation and the definition of a positive case.*

*(max. 32000 chars) :*

The programme for monitoring of bluetongue involve all herds of animals' sensitive to infection by

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bluetongue virus serotype 8 (bovines and sheep).

The monitoring programme is applied in all territory of the Czech Republic.

The main objective of the programme is monitoring of the epidemiological and entomological situation for appropriate risk assessment.

Rules for monitoring and surveillance programme are set up in accordance with point 2 of Annex I Regulation (EC) 1266/2007/EC.

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

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

*Duration of the programme :* 2013 \_\_\_\_\_

#### **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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## 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) :

The Ministry of Agriculture of the Czech Republic determines main strategies in a care and carries out their control as laid down in the Veterinary Act No. 166/1999 Article 44, Point 1a. The ministry of Agriculture species obligatory preventive and diagnostic campaigns in accordance with the Veterinary Act, Article 44, Point 1d, based on the epidemiological situation. Related details are laid down in the "Methodology of Animal Health Control and Prophylaxis "approved by the Ministry of Agriculture and issued in its Official Journal. According to the legislation (Veterinary Act 166/1999), the State Veterinary Administration of the Czech Republic (hereinafter referred to as the "SVA CR") is central authority charged with supervising and coordinating the departments responsible for implementing of the vaccination plan and monitoring in all territory of the Czech Republic and actions ordered by the "Methodology". Regional Veterinary Administrations (hereinafter referred to as the "RVAs") execute the legal power as to supervise private veterinarians over their actions in the professional field as ordered by the "Methodology".

The competent authority confirms its commitment to submit a complete report on actions and expenditures in the framework of this programme and to provide additional information when they are request by the Commission.

## 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) :

The programme will be applied in whole territory of the Czech Republic and will be modify during performing of the programme with respect to present epidemiological situation.

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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 Union legislation. The national legislation in which the measures are laid down is mentioned.

### 4.4.1 Notification of the disease

(max. 32000 chars) :

Bluetongue is notifiable disease according to the Veterinary Act No. 166/1999 as amended. State Veterinary Administration of the Czech Republic ensure the immediate, compulsory notification to the European competent authority if circulation of the bluetongue virus is suspected or confirmed and also confirms its commitment to submit a complete report on action and expenditures in the framework of this programme and to provide additional information when request by the European Commission.

### 4.4.2 Target animals and animal population

(max. 32000 chars) :

The programme involves all herds of sensitive animals (bovines and sheep) in whole territory of the Czech Republic.

### 4.4.3 Identification of animals and registration of holdings

(max. 32000 chars) :

Holdings in the Czech Republic are registered in the Database of Farms in accordance to the provisions of the law No. 154/2000, "Breeding Act" and Decree No. 136/2004 laying down details for identification of animals and their registration and registration of holdings and person established by Breeding Act. All animals on the farm are identified by self-registering ear-marks with a numbers of animal and holding.

### 4.4.4 Qualifications of animals and herds

(max. 32000 chars) :

The animals on the farm are identified by self-registering ear-marks with a numbers of animal and holding.

### 4.4.5 Rules of the movement of animals

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*(max. 32000 chars) :*

In relation to Bluetongue, the movement of animals is in accordance with EU legislation mainly Regulation (EC) 1266/2007/EC.

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

*(max. 32000 chars) :*

Requirements for bluetongue monitoring to be implemented in free zone.

Monitoring programme in free zone shall be aimed at providing information on the dynamics of bluetongue in territory of the Czech Republic in accordance with point 2 of Annex I Regulation (EC) 1266/2007/EC.

#### **1.1. Serological monitoring of sensitive animals - active surveillance:**

Serological monitoring of sensitive animals consists of an active annual programme of testing bovine and ovine animals aimed at assessing the circulation of bluetongue virus. The number of animals per geographical unit is representative and sufficient in order to detect an prevalence of 2 % with a 95 % confidence in each geographical unit. Sensitive animals are tested every month. The number of samples for each Region depends on size of population of bovine and ovine animals at the beginning of the sampling year.

#### **1.2. Virological monitoring of suspect animals - passive surveillance:**

Virological monitoring of suspect animals consists of testing animals shows a clinical symptoms of BT.

#### **1.3. Entomological monitoring**

Entomological monitoring consists of an active programme of vector catching by means of permanently sited traps intended to determine the population dynamics and overwintering features of the Culicoides species in the sampled site in order to determine the seasonally vector-free period in the bluetongue seasonally-free zone. In the CR 33 traps in 33 grids, overall territory of the CR will be used. One grid consists of 2 or 3 districts. The aspiration traps equipped with ultraviolet light is used in accordance with pre-established protocols. The traps are operated throughout the night and operate at a rate of at least one night per week during outside of vector free period. An adequate proportion of the midges collected in the insect traps are sent to a specialised laboratory capable of counting and identifying Culicoides species on a routine basis by SVI Jihlava to monitor the presence of all Culicoides and Culliicoides species in the territory of the Czech Republic.

Map of grid and traps is in attachment to this file.

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

*(max. 32000 chars) :*

In 2013 we do not planing the obligatory vaccination campaign against bluetongue.

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

(max. 32000 chars) :

Assessment of bio-security measures is provided by official control in the framework of Multiannual control plan based on risk assessment. Results of the controls are collected in the reporting system.

### **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) :

All measures taken in case of positive results will be in compliance to EU legislation, mainly to Council Directive 2000/75/EC laying down specific provisions for the control and eradication of bluetongue and to Commission Regulation (EC) No 1266/2007 on implementing rules for Council Directive 2000/75/EC as regards the control, monitoring, surveillance and restrictions on movements of certain animals of susceptible species in relation to bluetongue.

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

(max. 32000 chars) :

The farmers will be compensated by Ministry of Agriculture for costs and losses arisen in consequence with enforcement of emergency veterinary measures in accordance with § 67 of the Act No. 166/1999 concerning veterinary care and amending certain related laws, as amended (Veterinary Act).

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

(max. 32000 chars) :

The competent authority responsible for performing of the control programme is State Veterinary Administration of the Czech Republic and the competent authority confirms its commitment to submit a complete report on actions and expenditures in the framework of this programme and to provide additional information when they are request by the Commission.

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

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



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(max. 32000 chars) :

- Prevention of Bluetongue infection spreading in the Czech Republic
- Reduction of economical losses caused by the disease
- Receiving of new knowledge's about epidemiology and aetiology of the disease

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

Data already submitted via the online system for the years 2007 - 2010:

yes

### 6.1 Evolution of the disease

Evolution of the disease:

Not applicable

Applicable...

#### 6.1.1 Data on herds for year: 2011

Region	Animal species	Total number of herds	Total number of herds under the programme	Number of herds checked	Number of positive herds	Number of new positive herds	Number of herds depopulated	% positive herds depopulated	% herds coverage	Indicators		
										% positive herds Period herd prevalence	% new positive herds Herd incidence	
Czech Republic	Bovines	19 658	19 658	155	0	0	0		0,788			X
Czech Republic	Sheep	13 344	13 344	105	0	0	0		0,787			X

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<b>Total</b>		33 002	33 002	260	0	0	0	0	0,788		
<b>Add a new row</b>											

6.1.2 Data on animals for year : **2 011**

Region	Animal species	Total number of animals	Number of animals to be tested under the programme	Number of animal tested	Number of animals tested individually	Number of positives animals	Number of animals with positive result slaughtered or culled	Slaughtering		Indicators	
								Total number of animals slaughtered	% coverage at animal level	% positive animals Animal prevalence	
Czech Republic	Bovines	1 324 350	861	986	986	0	0	0	114,518	0	<b>X</b>
Czech Republic	Sheep	249 035	175	199	199	0	0	0	113,714	0	<b>X</b>
<b>Total</b>		1 573 385	1 036	1 185	1 185	0	0	0	114,38	0	
<b>ADD A NEW ROW</b>											

6.2 Stratified data on surveillance and laboratory tests

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6.2.1 Stratified data on surveillance and laboratory tests for year : **2011**

Region	Animal Species	Test Type	Test Description	Number of samples tested	Number of positive samples
<b>Czech Republic</b>	Bovine and sheep	microbiological or virological test	<b>RT - PCR</b>	1 185	0
<b>Total</b>				1 185	
<b>ADD A NEW ROW</b>					

6.3 Data on infection

Data on infection

Not applicable

Applicable...

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6.4 Data on the status of herds

Data on the status of herds :  Not applicable  Applicable...

6.4 Data on the status of herds at the end of year : 2011

Status of herds and animals under the programme																		
Region	Animal Species	Total number of herds and animals under the programme		Unknown		Not Free or not officially free from disease		Last check positive		Last check negative		Free or officially free from disease status suspended		Free from disease		Officially free from disease		
		Herds	Animals	Herds	Animals	Herds	Animals	Herds	Animals	Herds	Animals	Herds	Animals	Herds	Animals	Herds	Animals	
Czech Republic	Bovines	19 685	1 324 350	0	0	0	0	0	0	0	0	0	0	19 685	1 324 350	19 685	1 324 350	<b>X</b>
Czech Republic	Sheep	13 344	249 035	0	0	0	0	0	0	0	0	0	0	13 344	249 035	13 344	249 035	<b>X</b>
Czech Republic	Goats	5 266	32 947	0	0	0	0	0	0	0	0	0	0	5 266	32 947	5 266	32 947	<b>X</b>
<b>Total</b>		38 295	1 606 332	0	0	0	0	0	0	0	0	0	0	38 295	1 606 332	38 295	1 606 332	
<b>Add a new row</b>																		

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6.5 Data on vaccination or treatment programmes

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

6.5 Data on vaccination or treatment programmes for year : 2011

Region	Animal Species	Information on vaccination or treatment programme								
		Total number of herds	Total number of animals	Number of herds in vaccination or treatment programme	Number of herds vaccinated or treated	Number of animals vaccinated or treated	Number of doses of vaccine or treatment administered	Number of adults vaccinated	Number Number of young animals vaccinated	
Czech Republic	Bovines	19 685	1 324 350	19 685	9 020	663 203	756 791	382 267	280 936	X
<b>Total</b>		19 685	1 324 350	19 685	9 020	663 203	756 791	382 267	280 936	
<b>Add a new row</b>										

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**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 : **2013**

Region	Type of the test	Target population	Type of sample	Objective	Number of planned tests	
Czech Republic	serology	Bovines	blood	surveillance	1 000	<b>X</b>
Czech Republic	serology	Sheep	blood	surveillance	250	<b>X</b>
Czech Republic	RT - PCR	Bovines	blood	confirmation of suspected cases	100	<b>X</b>
Czech Republic	RT - PCR	Sheep and goat	blood	confirmation of suspected cases	25	<b>X</b>
Czech Republic	entomological test	Culicoides	trap content	entomological monitoring	1 100	<b>X</b>
<b>Total</b>					2 475	
<b>Add a new row</b>						



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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: **2013**

Region	Animal species	Total number of herds	Total 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
Czech Republic	Bovines	20 000	20 000	150	0	0	0	0,75	0	0	<b>X</b>
Czech Republic	Sheep	14 000	14 000	100	0	0	0	0,71	0	0	<b>X</b>
<b>Total</b>		34 000	34 000	250	0	0	0	0,74	0	0	
<b>Add a new row</b>											

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7.1.2.2 Targets on testing animals

Not applicable

Applicable...

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)
Czech Republic	Bovine	1 500 000	1 500 000	1 000	1 000	0	0	0,07	0	<b>X</b>
Czech Republic	Sheep	250 000	250 000	250	250	0	0	0,1	0	<b>X</b>
<b>Total</b>		1 750 000	1 750 000	1 250	1 250	0	0	0,07	0	
<b>Add a new row</b>										

7.2 Targets on qualification of herds and animals

Not applicable

Applicable...

### 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: 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	Union funding requested			
Cost of analysis	Elisa (serum antibody detection)	Individual animal sample/test	1 250	6	7500	yes			X
Cost of analysis	PCR (animal samples)	Individual animal sample/test	125	40	5000	yes			X
Cost of analysis	Vector identification	Pooled sample test	1 100	48	52800	yes			X
Cost of sampling	Domestic animals	Individual animal sample/test	1 375	0.5	687,5	yes			X
						<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	Union 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	Union funding requested			
						<b>Add a new row</b>			

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4. Cleaning and disinfection						
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>	
5. Salaries (staff contracted for the programme only)						
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested
					<b>Add a new row</b>	
6. Consumables and specific equipment						
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested
					<b>Add a new row</b>	
7. Other costs						
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested
purchase of new vector traps	entomological monitoring	piece	15	400	6000	yes <b>X</b>
					<b>Add a new row</b>	
<b>Total</b>					71 987,50 €	

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### Attachments

#### IMPORTANT :

- 1) The more files you attach, the longer it takes to upload them .
- 2) This attachment files should have one of the format listed here : [.zip](#), [.jpg](#), [.jpeg](#), [.tiff](#), [.tif](#), [.xls](#), [.doc](#), [.bmp](#), [.pna](#).
- 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!
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