



EUROPEAN COMMISSION
HEALTH AND CONSUMERS DIRECTORATE-GENERAL

Director General

SANCO/10608/2013

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

**The programme for the monitoring of
transmissible spongiform encephalopathies (TSE) and for
the eradication of bovine spongiform encephalopathy
(BSE) and of scrapie**

The 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 programmes of eradication and monitoring of TSE

version : 2.21

1. Identification of the programme

Member state : CESKA REPUBLIKA

Disease : Transmissible Spongiform Encephalopathies

Request of co-financing for the year :

2013

1.1 Contact

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2. Description of the programme

(max. 32000 chars) :

The aim of the programme is to detect any case of TSE and prevent them from entering the food or feed chain thus, eventually, eradicating the diseases and preventing them from causing hazard to public or animal health. The program is lay down in accordance with Regulation (EC) No 999/2001 as amended of the European Parliament and of the Council. BSE programme covers the sampling and testing of all bovine animals slaughtered for human consumption over 72 months of age and all fallen stock or emergency slaughtered bovine animal over 48 months. The programme covers testing of all fallen stock of ovine and caprine animals over 18 months.

3. Description of the epidemiological situation of the disease

(max. 32000 chars) :

First occurrence of BSE was reported in the Czech Republic during the year 2001. Since this time a comprehensive national surveillance programme has been adjusted and applied thirty positive cases of

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BSE have been recorded in the CR to the end of the year 2009. In 2010 and 2011 was detected none positive case of BSE or scrapie. Since 2008, Czech Republic has OIE certificate for BSE status as country with controlled risk for BSE.

4. Measures included in the programme

4.1 Designation of the central authority in charge of supervising and coordinating the departements responsible for implementing the programme

(max. 32000 chars) :

The central authority competent for supervising and coordinating all activities in veterinary care is the State Veterinary Administration of the Czech Republic (SVA), which performs its powers at the whole territory of the Czech Republic (§ 47, Veterinary Act No 166/1999 Col. of Acts). SVA coordinates the activities of 14th Regional Veterinary Administrations.

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 request by the Commission.

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

(max. 32000 chars) :

The program will be applied in whole territory of the Czech Republic.

4.3 System in place for the 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 act No. 154/2000, as amended, Breeding Act and corresponding Decree No. 136/2004 laying down details for identification of animals and their registration and registration of holdings and person established by Breeding Act.

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4.4 System in place for the identification of animals

(max. 32000 chars) :

Bovine animals in the Czech are identify by eartags and they are registered in the Central Bovine Database. Animals in the Czech Republic are registered in the database in accordance to the provisions of the act No. 154/2000, as amended, Breeding Act and corresponding Decree No. 136/2004 laying down details for identification of animals and their registration and registration of holdings and person established by Breeding Act.

4.5 Measures in place as regards the notification of the disease

(max. 32000 chars) :

Measures in place are to the provisions of the Veterinary Act No. 166/1999, as amended that is in accordance with Regulation (EC) No 999/2001 as amendment. In the case of positive test result all the measures required by the EC legislation will be applied. Positive animal in the herd as well as cohort animals and progeny of the positive animal are killed and completely destroyed. No parts of the animals can end up at the food or feed chain. Food that may transmit the disease are traced and pulled back from retail.

4.6 Testing

4.6.1 Rapid tests in bovine animals

	Age (in months) above which animals are tested	Estimated number of animals to be tested	Estimated number of rapid tests, including rapid tests used for confirmation	
Animals referred to in Annex III, Chapter A, Part I, point 2.1, 3 and 4 of Regulation (EC) No 999/2001 of the European Parliament and of the Council	48	22 000	22 000	
Animals referred to in Annex III, Chapter A, Part I, point 2.2 of Regulation (EC) No 999/2001	72	55 000	55 000	
Other please specify here				X
		Add a new row		

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4.6.2 Rapid tests in ovine animals

Estimated population of adult ewes and ewe lambs put to the ram .

250 000

	Estimated number of animals to be tested	
Ovine animals referred to in Annex III, Chapter A, Part II, point 2 of Regulation (EC) No 999/2001	0	
Ovine animals referred to in Annex III, Chapter A, Part II, point 3 of Regulation (EC) No 999/2001	1 500	
Ovine animals referred to in Annex III, Chapter A, Part II, point 5 of Regulation (EC) No 999/2001	100	
Ovine animals referred to in Annex VII, Chapter A, point 2.3(d) of Regulation (EC) No 999/2001	100	
Ovine animals referred to in Annex VII, Chapter A, point 3.4(d) of Regulation (EC) No 999/2001	100	
Ovine animals referred to in Annex VII, Chapter A, point 4(b) and (e) of Regulation (EC) No 999/2001	100	
Ovine animals referred to in Annex VII, Chapter A, point 5(b)(ii) of Regulation (EC) No 999/2001	100	
Other please specify here		X
	Add a new row	

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4.6.3 Monitoring in caprine animals

Estimated population of female goats and female kids mated .

33 000

	Estimated number of animals to be tested	
Caprine animals referred to in Annex III, Chapter A, Part II, point 2 of Regulation (EC) No 999/2001	0	
Caprine animals referred to in Annex III, Chapter A, Part II, point 3 of Regulation (EC) No 999/2001	200	
Caprine animals referred to in Annex III, Chapter A, Part II, point 5 of Regulation (EC) No 999/2001	50	
Caprine animals referred to in Annex VII, Chapter A, Part II, point 2.3(d) of Regulation (EC) No 999/2001	50	
Caprine animals referred to in Annex VII, Chapter A, Part II, point 3.3(c) of Regulation (EC) No 999/2001	50	
Caprine animals referred to in Annex VII, Chapter A, Part II, point 4(b) and (e) of Regulation (EC) No 999/2001	50	
Caprine animals referred to in Annex VII, Chapter A, Part II, point 5(b)(ii) of Regulation (EC) No 999/2001	50	
Other please specify here		X
	ADD A NEW ROW	

4.6.4 Confirmatory tests **other than rapid tests** as referred to in Annex X Chapter C of Regulation (EC) No 999/2001

	Estimated number of tests
Confirmatory tests in Bovine animals	10
Confirmatory tests in Ovine and Caprine animals	10

4.6.5 Discriminatory tests

	Estimated number of tests	
Primary molecular testing referred to in Annex X, Chapter C, point 3.2(c)(i) of Regulation (EC) No 999/2001	10	

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4.6.6 Genotyping of positive and randomly selected animals

	Estimated number	
Animals referred to in Annex III, Chapter A, Part II, point 8.1 of Regulation (EC) No 999/2001	10	
Animals referred to in Annex III, Chapter A, Part II, point 8.2 of Regulation (EC) No 999/2001	100	

4.7 Eradication

4.7.1 Measures following confirmation of a BSE case

4.7.1.1 Description

(max. 32000 chars) :

all parts of the body of the animal shall be completely destroyed

- an inquiry shall be carried out to identify all animals at risk

The inquiry must be identifying:

- All other ruminants on the holding of the animal in which the disease confirmed
- Where the disease was confirmed in a female animal, its progeny born within two years prior to, or after, clinical onset of the disease
- All animals of the cohort of the animal in which the disease was confirmed
- The possible origin of the disease
- Other animals on the holding of the animal in which the disease was confirmed or on other holdings, which have may become infected by TSE agent or been exposed to the same feed or contamination sours
- The movement of potentially contaminated feeding stuffs, of other material or any other means of transmission, which may have transmitted TSE agent to or from the holding in question
- All animals and products of animal origin that have been identified as being at risk by the inquiry shall be killed and completely destroyed.

4.7.1.2 Summary table

	Estimated number	
Animals to be killed under the requirements of Annex VII, Chapter A, point 2.1 of Regulation (EC) No 999/2001	100	

4.7.2 Measures following confirmation of a scrapie case

4.7.2.1 Description

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(max. 32000 chars) :

In the case of confirmation of TSE in an ovine or caprine animal we apply the measures in accordance with Annex VII of Regulation (EC) No. 999/2001:

- a) movement of animals from/or to holding is prohibited;
- b) either the killing and complete destruction of all animals, embryos and ova; or
- c) the killing and complete destruction of all animals, embryos and ova with the exception of:
 - breeding rams of the ARR/ARR genotype,
 - breeding ewes carrying at least one ARR allele and no VRQ allele, and
 - sheep carrying at least one ARR allele which is intended solely for slaughter;
- d) investigation of possible source of disease (feed).

In the case of confirmation of BSE in an ovine or caprine animal, killing and complete destruction of all animals, embryos and ova identified.

4.7.2.2 Summary table

	Estimated number
Animals to be culled and destroyed under the requirements of Annex VII, Chapter A, point 2.3 of Regulation (EC) No 999/2001	150
Animals to be sent for compulsory slaughter in application of the provisions of Annex VII, Chapter A, point 2.3(d) of Regulation (EC) No 999/2001	150
Animals to be genotyped under the requirements of Annex VII, Chapter A, point 2.3 of Regulation (EC) No 999/2001	150

4.7.3 Breeding programme for resistance to TSEs in sheep

4.7.3.1 General description

Description of the programme according to the minimum requirements set out in Annex VII, Chapter B of Regulation (EC) No 999/2001

(max. 32000 chars) :

Breeding programme is created by Czech breeding association of ovine and caprine animals in cooperation with Ministry of Agriculture. The breeding programme includes farms producing the bred animals. On the farm may be introduced follow animals only:

- (a) male sheep of the risk group I and II;
- (b) female sheep of the risk group I, II and III;

The selection of animals for genotyping is performed by Czech breeding association after visual selection of basic breeding standards for each ovine breed. The list of animals intended for genotyping is consequently approved by State Veterinary Administration. The laboratory examination of listed animals is performed by State Veterinary Institute in Jihlava.

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4.7.3.2 Summary table

	Estimated number
Ewes to be genotyped under the framework of a breeding programme referred to in Article 6a of Regulation (EC)	4 500
Rams to be genotyped under the framework of a breeding programme referred to in Article 6a of Regulation (EC)	2 000

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5. Costs

5.1 Detailed analysis of the costs

(max. 32000 chars):

There were about 1 450 000 cattle animals in the Czech Republic at 31. 12. 2011. The overall structure of the cattle population has remained the same during the last few years and no major changes. The number of sheep and goats is growing. Thus the number of animals subjected to TSE testing in 2013 is not expected to change dramatically from the year 2012 unless the EC monitoring programmes will be changed.

An estimate of 77 000 bovines, 1 600 sheep and 200 goats are to be tested for TSE during 2013. All fallen stock and emergency slaughtered cattle over 48 months of age and all normally slaughtered cattle over 72 months of age will be tested, if the current legislation remains unchanged. All sheep and goats older than 18 months fallen or killed stock to be tested in the framework of the national scrapie control programme.

An estimated of 6 600 sheep are planned to be subject to prion protein genotyping.

For the calculation of costs below are used same amounts which are valid for 2012.

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5.2 Summary of costs

1. Testing in bovine animals (as referred to in point 4.6.1)						
Costs related to	Specification	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested	
1.1. Rapid tests	Prionics Check PrioSTRIP, Enfer test, Western blot	77 000	28	2,156,000	yes	X
				Add a new row		
2. Testing in ovine and caprine animals (as referred to in point 4.6.2 and 4.6.3)						
Costs related to	Specification	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested	
2.1. Rapid tests	IDEXX HerdChek BSE-Scrapie Antigen	2 450	28	68600	yes	X
				Add a new row		
3. Confirmatory testing (as referred to in point 4.6.4)						
Costs related to	Specification	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested	
3.1. Confirmatory tests in Bovines	Immunohistochemistry	10	250	2500	yes	X
				Add a new row		
Costs related to	Specification	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested	
3.2. Confirmatory tests in Ovines and Caprines	Immunohistochemistry	10	250	2500	yes	X
				Add a new row		

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4. Discriminatory testing (as referred to in point 4.6.5)						
Costs related to	Specification	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested	
4.1. Primary molecular tests	Histopathology, immunohistochemistry	10	250	2500 yes		X
				Add a new row		
5. Genotyping						
Costs related to	Specification	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested	
5.1 Determination of genotype of animals in the framework of the monitoring and eradication measures laid down by Regulation (EC) No 999/2001 (as referred to in point 4.6.6 and 4.7.2.2)	SSCP, real-time PCR	260	33	8580 yes		X
				Add a new row		
Costs related to	Specification	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested	
5.2 Determination of genotype of animals in the framework of a breeding programme (as referred to in point 4.7.3.2)	SSCP, real-time PCR	6 500	33	214,500 yes		X
				Add a new row		
6. Compulsory culling/slaughter						
Costs related to	Specification	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested	
6.1 Compensation for bovine animals to be culled and destroyed under the requirements of Annex VII, Chapter A, point 2.1 of Regulation (EC) No 999/2001 (as referred to in point 4.7.12)	compensation for farmer	100	1500	150,000 yes		X
				Add a new row		

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Costs related to	Specification	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested
6.2 Compensation for ovine and caprine animals to be culled and destroyed under the requirements of Annex VII, Chapter A, point 2.3 of Regulation (EC) No 999/2001 (as referred to in point 4722)	compensation for farmer	150	300	45000 yes	X
				Add a new row	
6.3 Compensation for ovine and caprine animals to be sent for compulsory slaughter in application of the provisions of Annex VII, Chapter A, point 2.3 (d) of Regulation (EC) No 999/2001 (as referred to in point 4722)	compensation for farmer	150	300	45000 yes	X
				Add a new row	
Total				2 695 180,00 €	

Attachments

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