



## Standard requirements for the submission of programmes of eradication and monitoring of TSE

Member States seeking a financial contribution from the Community for national programmes for the control and monitoring of transmissible spongiform encephalopathies (TSEs), 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.

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Submission date

Monday, April 28, 2014 14:12:50

Submission number

1398683578316-3002



# Standard requirements for the submission of programmes of eradication and monitoring of TSE

## 1. Identification of the programme

Member state: SUOMI / FINLAND

Disease Transmissible spongiform encephalopathies (TSEs)

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 of the programme

(max. 32000 chars) :

The programme is aimed at monitoring the BSE and scrapie situation in the territory of Finland and eradicating positive cases as well as other animals which may have been infected.

The monitoring for BSE covers the target groups defined in Article 6 paragraph 1a of Regulation 999/2001, taking into consideration Commission Decision 2009/719/EC, as amended, whereby Finland is allowed not to test animals subject to normal slaughter and use an age limit of 48 months in the other target groups.

The monitoring for scrapie covers the target groups defined in Annex III, Chapter A, part II, points 3 and 5, as well as Annex VII, Chapter A, points 3.3(c), 3.4(d) and 5(b)(ii) of Regulation 999/2001. As regards point 3 (ovine and caprine animals not slaughtered for human consumption) the sampling is exceeding the minimal requirements of Regulation 999/2001, in accordance with the approval of the national scrapie control programme, as referred to in point 3.2, Section A, Chapter A of Annex VIII to that Regulation. According to the national control programme, all ovine and caprine animals above 18 months of age which die on farms in the cadaver collection area will be tested for TSE.

The monitoring is carried out using rapid tests for screening. Inconclusive and positive cases are submitted for confirmatory examination in accordance with Annex X to Regulation 999/2001. Where positive cases are found, eradication measures are implemented in accordance with Annex VII of Regulation 999/2001 (see below).

The eradication measures for bovine animals cover:

- 1) Cohorts as defined in Regulation 999/2001,
- 2) Offspring born within two years prior to, or after, the clinical onset of BSE in female animals,
- 3) Other bovines from the same herd as a confirmed BSE case may also be killed if Evira (Finnish Food Safety Authority) decides that they are at risk of having BSE.

The eradication measures for classical scrapie in ovine and caprine animals cover:

- 1) All ovine and caprine animals on farms where classical scrapie has been confirmed. If the infected animal has been introduced from another holding it may be decided, based on the history of the case, to

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kill the animals in the holding of origin in addition to, or instead of, the holding where the case was confirmed.

2) Based on an epidemiological enquiry, animals on contact holdings where it is considered that these animals have been exposed to the infection.

3) In so far as they are identifiable, parents, and in the case of females all embryos, ova and the last progeny.

Where the case is an atypical scrapie case, other animals on the holding are not killed but subject to intensified monitoring in accordance with point 2.2.3, Chapter B of Annex VII to Regulation 999/2001.

### 3. *Description of the epidemiological situation of the disease*

(max. 32000 chars):

#### BSE

So far, only one BSE case has been recorded in Finland. That case was recorded in 2001, in a cow born in Finland in 1995.

OIE has officially recognized Finland's BSE status as category 1, negligible BSE risk.

#### Scrapie

In total, three outbreaks of classical scrapie and 11 outbreaks of atypical scrapie have been confirmed in Finland as follows:

2002: one outbreak of classical scrapie (two holdings, four cases in goats)

2004: one outbreak of atypical scrapie (one holding, one case in sheep)

2005: two outbreaks of classical scrapie (three holdings, four cases in goats)  
one outbreak of atypical scrapie (one holding, one case in sheep)

2006: two outbreaks of atypical scrapie (two holdings, two cases in sheep)

2007: one outbreak of atypical scrapie (one holding, one case in sheep)

2008: no outbreaks of scrapie

2009: one outbreak of atypical scrapie (one holding, one case in a goat)

2010: three outbreaks of atypical scrapie in sheep (three different holdings)

2011: no outbreaks of scrapie

2012: one outbreak of atypical scrapie (one holding, one case in sheep)

2013: one outbreak of atypical scrapie (one holding, one case in sheep)

In all outbreaks of classical scrapie, all sheep and goats on the infected farms have been destroyed.

Contact farms have been traced and animals at risk have been destroyed.

In the outbreaks of atypical scrapie, all sheep and goats on the infected farms have been destroyed in the outbreaks in 2004, 2005, the first outbreak in 2006 and the outbreak in 2007. In the remaining outbreaks (2006, 2009, 2010, 2012 and 2013) Evira decided not to kill the remaining animals but to apply restrictions and intensified testing instead as laid down in Regulation 999/2001.

The Commission approved the national scrapie programme of Finland in 2004 by Regulation 1874/2003, which was later replaced first by Regulation 546/2006 and then by the provisions in Annex VIII to Regulation 999/2001. According to that programme, all dead-on-farm sheep and goats above 18 months of age in the cadaver collection area must be tested for TSE.

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### 4. Measures included in the programme

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

(max. 32000 chars):

Finnish Food Safety Authority (Evira)

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

(max. 32000 chars):

The programme is applied in the whole territory of Finland

#### 4.3 System in place for the registration of holdings

(max. 32000 chars):

All bovine, ovine and caprine holdings must be registered in the Central Database (Act on the Animal Identification System 238/2010)

#### 4.4 System in place for the identification of animals

(max. 32000 chars):

All bovine animals must be identified and registered in accordance with Regulation (EC) 1760/2000 and Commission Regulation (EC) 911/2004. Implementation rules have been given by a Decree of the Ministry of Agriculture and Forestry (1391/2006).  
Ovine and caprine animals must be identified and registered in accordance with Council Regulation (EC)

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No 21/2004. Implementation rules have been given by a Decree of the Ministry of Agriculture and Forestry (469/2005, amended by 356/2008).

## 4.5 Measures in place as regards the notification of the disease

(max. 32000 chars):

All animal TSEs, including BSE and scrapie, are officially notifiable in Finland, as laid down in the Act of Animal Diseases 441/2013 and the Decree 843/2013 of the Ministry of Agriculture and Forestry. Any operator, veterinarian or other person in contact with the animal must notify the competent authority of any signs compatible with TSE in an animal. Specific measures are laid down in the legislation for suspect cases of BSE in bovine animals and scrapie in ovine or caprine animals.

## 4.6 Testing

### 4.6.1 Rapid tests in bovine animals

Targets for year **2015**

	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	12 000	12 000	
Animals referred to in Annex III, Chapter A, Part I, point 2.2 of Regulation (EC) No 999/2001	0	0	0	
Other please specify here				<b>X</b>
		<b>Add a new row</b>		

### 4.6.2 Rapid tests in ovine animals

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

69 300

Targets for year **2015**

	Estimated number of animals to be tested
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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	500	
Ovine animals referred to in Annex III, Chapter A, Part II, point 5 of Regulation (EC) No 999/2001	150	
Ovine animals referred to in Annex VII, Chapter B, point 2.2.2. (b) and (c) of Regulation (EC) No 999/2001	0	
Ovine animals referred to in Annex VII, Chapter B, point 3.1. of Regulation (EC) No 999/2001	50	
Ovine animals referred to in Annex VII, Chapter B, point 4.1. of Regulation (EC) No 999/2001	0	
Ovine animals referred to in Annex VII, Chapter B, point 2.2.3. of Regulation (EC) No 999/2001	50	
Other please specify here		<b>X</b>
	<b>Add a new row</b>	

### 4.6.3 Monitoring in caprine animals

Estimated population of female goats and female kids mated .

4 500

### Targets for year **2015**

	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	100	
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 B, point 2.2.2. (b) and (c) of Regulation (EC) No 999/2001	0	
Caprine animals referred to in Annex VII, Chapter B, point 3.1. of Regulation (EC) No 999/2001	50	
Caprine animals referred to in Annex VII, Chapter B, point 4.1 of Regulation (EC) No 999/2001	0	
Caprine animals referred to in Annex VII, Chapter B, point 2.2.3. of Regulation (EC) No 999/2001	50	
Other please specify here		<b>X</b>
	<b>ADD A NEW ROW</b>	

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

### Targets for year **2015**

	Estimated number of tests
Confirmatory tests in Bovine animals	5
Confirmatory tests in Ovine and Caprine animals	5

## 4.6.5 Discriminatory tests

### Targets for year **2015**

	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	5

## 4.6.6 Genotyping of positive and randomly selected animals

### Targets for year **2015**

	Estimated number
Animals referred to in Annex III, Chapter A, Part II, point 8.1 of Regulation (EC) No 999/2001	5
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):

The eradication measures cover:

- 1) Cohorts as defined in Regulation 999/2001,
- 2) Offspring born within two years prior to, or after, the clinical onset of BSE in female animals,
- 3) Other bovines from the same herd as a confirmed BSE case are normally not killed, but in certain cases, where it is considered that these animals are at risk, it may be decided to kill them.

Animals that are killed and destroyed are fully compensated for their market value, as assessed by an



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independent expert. If property is destroyed based on orders from the competent authority, its value is fully compensated to the farmer. The competent authority may also decide to partially compensate for production losses, if those losses constitute a significant loss to the livelihood of the farmer.

### 4.7.1.2 Summary table

#### Targets for year **2015**

	Estimated number
Animals to be killed under the requirements of Annex VII, Chapter B, point 2.1 of Regulation (EC) No 999/2001	10

### 4.7.2 Measures following confirmation of a scrapie case

#### 4.7.2.1 Description

(max. 32000 chars):

The eradication measures for classical scrapie cover:

- 1) All ovine and caprine animals on farms where scrapie has been confirmed. If the infected animal has been introduced from another holding it may be decided, based on the history of the case, to kill the animals in the holding of origin in addition to, or instead of, the holding where the case was confirmed.
- 2) Based on an epidemiological enquiry, animals on contact holdings where it is considered that these animals have been exposed to the infection.
- 3) In so far as they are identifiable, parents, and in the case of females all embryos, ova and the last progeny.

Animals that are killed and destroyed are fully compensated for their market value, as assessed by an independent expert. If property is destroyed based on orders from the competent authority, its value is fully compensated to the farmer. The competent authority may also decide to compensate for production losses, if partially compensate for production losses, if those losses constitute a significant loss to the livelihood of the farmer.

### 4.7.2.2 Summary table

#### Targets for year **2015**

	Estimated number
Animals to be culled and destroyed under the requirements of Annex VII, Chapter B, point 2.2.2 of Regulation (EC) No 999/2001	200
Animals to be sent for compulsory slaughter in application of the provisions of Annex VII, Chapter B, point 2.2.2. (b) and (c) of Regulation (EC) No 999/2001	0
Animals to be genotyped under the requirements of Annex VII, Chapter B, point 2.2 of Regulation (EC) No 999/2001	0

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## 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) :

Finland does not have a breeding programme.

### 4.7.3.2 Summary table

Targets for year **2015**

	Estimated number
Ewes to be genotyped under the framework of a breeding programme referred to in Article 6a of Regulation (EC)	0
Rams to be genotyped under the framework of a breeding programme referred to in Article 6a of Regulation (EC)	0

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### 5. Costs

#### 5.1 Detailed analysis of the costs

*(max. 32000 chars) :*

##### BSE monitoring

All bovines are screened by IDEXX BSE Scrapie test. A tender on TSE-tests in Finland is open, therefore the price of test starting 1.10.2015 is not known at present. The price of the test materials in stock is 3,0 € per test. The estimated direct personnel cost is 7,79 € per test. The estimated indirect costs are 23,34 € per test. The estimated total cost is 34,13 € per test.

##### Scrapie monitoring

A tender on TSE-tests in Finland is open, therefore the price of test starting 1.10.2015 is not known at present. The price of the test materials in stock is 3,0 € per test. The estimated direct personnel cost is 7,79 € per test. The estimated indirect costs are 23,34 € per test. The estimated total cost is 34,13 € per test per test.

##### Compulsory slaughter and destruction

Each animal is compensated according to its market value, as assessed by an independent expert. The average market value of bovine animals is 1000 € and the average market value of sheep and goats is 200 €.

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### 5.2 Detailed analysis of the cost of the programme for year :

2015

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	IDEXX BSE Scrapie test	12 000	34.13	409,560	yes	X
				<b>Add a new row</b>		
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 BSE Scrapie test	1 000	34.13	34130	yes	X
				<b>Add a new row</b>		
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	Immunoblotting	5	0	0	no	X
				<b>Add a new row</b>		
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	Immunoblotting	5	0	0	no	X
				<b>Add a new row</b>		

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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	immunoblotting	5	0	0	no	<b>X</b>
				<b>Add a new row</b>		
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)	direct sequencing of the amplified PrP open reading frame	105	0	0	no	<b>X</b>
				<b>Add a new row</b>		
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)	n.a.	0	0	0	no	<b>X</b>
				<b>Add a new row</b>		
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 B, point 2.1 of Regulation (EC) No 999/2001 (as referred to in point 4.7.12)	culled animals	10	1000	10000	yes	<b>X</b>
				<b>Add a new row</b>		

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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 B, point 2.2.2 of Regulation (EC) No 999/2001 (as referred to in point 4722)	culled animals	200	200	40000	yes	<b>X</b>
				<b>Add a new row</b>		
6.3 Compensation for ovine and caprine animals to be sent for compulsory slaughter in application of the provisions of Annex VII, Chapter B, point 2.2.2 (b) and (c) of Regulation (EC) No 999/2001 (as referred to in point 4722)	n.a.	0	0	0	no	<b>X</b>
				<b>Add a new row</b>		
<b>Total</b>				493 690,00 €		

### 5.3 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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### 5.4 Source of national funding

*Please specify the source of the national funding:*

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

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

The testing is carried out in the national reference laboratory at Evira. The testing is funded through the annual budget for the activities of Evira, which has its own budget line 30.30.01. in the national budget. The compensation to animals owners for culled animals is paid by Evira from budget line 30.30.20. in the national budget.

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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 : 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