



Standard requirements for the submission of programme for eradication, control and monitoring PROGRAMME for ERADICATION : ANNEX I

Member States seeking a financial contribution from the Union for national programmes for the eradication, control and monitoring of animal diseases and zoonosis listed below, shall submit applications containing at least the information set out in this form.

Bovine brucellosis, bovine tuberculosis, ovine and caprine brucellosis (*B. melitensis*), bluetongue in endemic or high risk areas, african swine fever, swine vesicular disease, classical swine fever, rabies.

The central data base keeps all submissions. However only the information in the last submission is shown when viewing and used when processing the data.

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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

Wednesday, August 20, 2014 10:03:02

Submission number

1408518232137-3579



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

1. Identification of the programme

Member state: EESTI

Disease Rabies

Species: Foxes and other wild carnivores

This program is multi annual: yes

Type of submission: New multiannual programme

Request of Union co-financing
from beginning of:

2015

To end of

2017

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

1.1 Contact

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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) :

By reports from Russian tsar-time Kiev and Livonian districts were places where rabies frequently occurred. In the 1900 rabies spread all over the country, excluding islands. For 1930 disease was eradicated from North- and Middle Estonia, cases were only in Southern part. Statistical data about registered rabies cases in animals are available from 1950. According to records, dog-mediated rabies was a common disease in Estonia in the middle of last century. Arising from compulsory vaccination of cats and dogs since 1953, also extermination of stray animals, urban rabies was eradicated for year 1959. No case of disease was reported from 1960 to 1967. Sylvatic rabies reached Estonian territory from year 1968 and spread rapidly all over the country including islands. Main reservoirs of the disease are red foxes and raccoon dogs. Last counting data of foxes are available from year 1995, raccoon dogs have never been counted. According to the data of the Ministry of the Environment, despite of more intensive hunting in recent years, influenced also by need to conduct post-vaccination sampling of target species, number of raccoon dogs has continuously shown ascending trend since these species were introduced into Estonian fauna. Surprisingly, data concerning years 2011-2013 show, that population growth has been very moderate lately and is in decrease at the moment. According to hunting data, track index (tracks per 1 km) and change in abundance (hunters estimation) the size of fox population has variable nature within last 5-years period. In 2008 population showed very rapid increasing trend, since 2009 to 2010 showed moderate decreasing, undergoes steep relapse since 2011 and is in very sharp decrease within last three-years period. Precise data is available concerning hunting-bag: the number of hunted foxes was 4 154 in 2013; analogous number for raccoon dogs was 11 043. Since 1968 until end of last century, the average number of rabies- positive cases had varied usually between 150 and 300 per year. In the beginning of running century, in years 2000-2005, the number of

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

rabies cases grow very quickly, reaching up to 814 cases in year 2003 (with 315 cases in foxes and 362 cases in raccoon dogs). Rabies trend dynamics in years 1968-2011 can be followed by chart 1 in Annex. In 2010 there were no rabies cases detected, within year 2011 one infected raccoon dog was discovered in January drifting ~1km from Estonian-Russian south-east border. Since then, no positive animal has been found.

The structure of rabies infections across species has been relatively stable over these years. During 1968-2009 farm animals accounted for 6-7%, dogs and cats for 9-23% and wild animals for 71-84% of all the cases of illness. In years 1968-2001 red foxes have composed majority of rabies cases, but year-by-year number of raccoon dogs infected with rabies has aggravated, composing around 50% of all rabies infections from year 2002 until 2006.

There has been immense general improvement of rabies situation in Estonian territory from the beginning of oral vaccination (OV) of wildlife in part of territory in 2005. Since year 2006, a sudden decrease of rabies cases in all areas could be observed, due to start of OV campaigns in total territory of country. (see figure 1 in Annex)

In 2007 4 positive cases of rabies infection were diagnosed: 2 cows in Lääne and Rapla county, badger in Lääne-Viru county and raccoon dog in Harju county (see figure 2 in Annex). In 2008 three positive rabies cases were found in the beginning of the year: sheep in Rapla county, fox and dog in Harju county (see figure 3 in Annex). Above mentioned have been the last rabies cases in basic area of Estonia until nowadays. With the exception of the areas adjacent to the south-eastern borders with Russia, rabies cases have not been detected in the Estonian territory for already 6 years.

Thereof, the only rabies cases occurred have been three rabid foxes found in summer 2009 in Põlva and Võru county and one raccoon dog in January 2011 in Põlva county in very close surrounding (less, than 5 km) of Estonian Republic -Russian Federation land border in south-east (see figure 4 in Annex).

In year 2010, for the first time over last 42 years-period, no rabies case has been found. In 2011 one case occurred in the middle of January (see figure 5 in Annex). Despite of intensified risk-based surveillance of target animals, no rabies cases has been diagnosed since then.

The only condition of the Terrestrial Animal Health Code Article 8.10.2 unreachable for Estonia until recent time- freedom for infection within last two-year period- was fulfilled for the beginning of year 2013. Consequently in early April 2013 Estonia declared that as its county complies with the conditions to be considered a rabies free country in accordance with the Terrestrial Animal Health Code (2012) of OIE, the Republic has regained its rabies-free status.

The last mortal case of rabies in humans was registered in Estonia in 1986.

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 State Programme for rabies prevention carried out in Estonia is based on the Infectious Animal Disease Control Act, the Regulation Minister of Agriculture No. 67 "Rabies Control Rules" and the State Programme on Monitoring and Surveillance of Animal Infectious Diseases approved annually by the Director General of Veterinary and Food Board. Two main courses of action are covered by the programme- prevention of rabies among domestic animals and oral vaccination of wildlife against rabies. State Budget funds are used to cover the costs of sampling and laboratory investigations of all domestic and wild animals, recognized as rabies- suspected by authorised veterinarians. Virus

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

investigations are carried out mainly for those wild animals that behave unnaturally and/or enter the premises of households and are killed. All bovine animals with nervous symptoms who have died or who are emergency slaughtered are also tested for rabies. The samples are taken and tested in the laboratory throughout the year.

Pursuant of Rabies Control Rules an animal owner is required to ensure that the cats and dogs belonging to him or her are vaccinated. According to amendments in above mentioned regulation, since 20.07.09, it is allowed to make booster vaccination in accordance with instructions described in product information sheet of vaccine used, but not sparser, than 24 months have passed from last vaccination. The vaccination of farm animals that graze on woodland pastures and pastures adjacent to forests is recommended. Animals are vaccinated by veterinary supervisory officials, authorised veterinary surgeons or licensed veterinarians. The cost of the vaccine and vaccination procedure is covered by the State Budget. In year 2015-2017 approximately 50 000 animals annually (mainly cats and dogs) will be vaccinated against rabies, vaccination of agricultural animals will be carried out only in case of grounded exigency.

First wildlife oral vaccination (OV) campaign was enforced in autumn of 2005 in ~2/3 part of territory of Estonia. Vaccination activities in total territory of Republic were carried out in years 2006-2010. The programme proceeded in these years included distribution of baits twice a year, spring and autumn, in all Estonian area with slight exceptions (urban ranges, roads, water bodies and wet fields). As a rule, in the frames of campaign, 20 baits per km² were distributed manually by trained staff from fixed-wing airplanes in are ~43 000 km². No additional manual distribution from land was carried out. Effectiveness of OV was evaluated after each vaccination period by carrying out specific laboratory investigations among randomly hunted foxes and raccoon dogs. Since spring 2011 OV of wildlife has been conducted only in buffer-zones with neighboring infected countries wherewith Estonia is bordering with land (Russia, Latvia) to maintain sufficient level of immunity among wild raccoon dogs and foxes. Control activities of OV will follow in vaccinated areas (testing of target animals for bait uptake, level of achieved immunity and virus detection). Continuous surveillance of disease is carried out in all regions of the country.

The aim of programme of year 2015 and following years is in sustainable way to prevent Estonian territory from cross-border re-infection from areas, where rabies is endemic or cases occur sporadically. Latvian Veterinary Services have taken the decision to stop OV it total territory of Latvia starting from year 2014. In good hope, that our southern neighboring country areas are and will remain free from rabies and consequently threat of cross-border re-infection over southern border of Estonia does not exist any more, 2014 will be the last year of OV in buffer-zone between Estonia and Latvia. If rabies cases still appear in Latvia less, then 50 km from Estonian border, the situation will be reassessed and OV area adjusted accordingly.

Estonia is having a long state border with Russian Federation (~1/2 of border runs through mainland) in the east. This border, especially the part of mainland, is the most important area of OV in order to protect the country from re-incursions of rabies. As a long term buffer-zone vaccination is envisaged in our eastern border even if with financial support from European Commission it will be possible to create the vaccination belt along the border in the territories of the Russian Federation the current application is presented as multi annual for three years.

For creation of buffer zone in Russian Federation areas adjoining Estonian territory, basic technical requirements for the implementation vaccination and monitoring should be concurred and agreements should be signed with the relevant regional authorities (Leningrad and Pskov region).

Veterinary Services of Leningrad region have shown an interest of cooperation and draft of agreement to create and maintain a rabies buffer zone in the areas of Leningrad region bordering Estonia has been passed to the Veterinary Services of Leningrad region at the end of year 2013. Irrespective no response

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

has been received until nowadays, VFB remains optimistic concerning perspective to start OV in the buffer vaccination area in Estonian north-eastern border in the territory of Leningrad region in nearest future and has included these areas in annual OV plan in years 2015-2017.

Unfortunately, close direct contacts and basic co-operation in the matter of creating buffer-zone in most critical area- Pskov Region of RF- have remained unachievable for the time of passing this application and particular nature of vaccination belt and in Estonian south-eastern border in longer perspective is sophisticated to predict. In above-mentioned reasons, no buffer area in Pskov Region is foreseen in present application; but it must be highlighted, if there will be positive progress, VFB will flexible and open to include areas of Pskov Region bordering Estonia into programme.

The programme submitted for years 2015-2017 has in large scale resembling content, as the programme in year 2014 (with exception of State areas bordering with Latvia have been excluded from OV area). Vaccination will be carried out in buffer-zones twice a year: in spring and autumn. Planned distribution density of vaccine baits is 20 baits per sq km. Public tenders were officiated to obtain sufficient amount of vaccine-baits and distribution service in early 2014 and relevant contracts undersigned for years 2014-2015. When these contracts will be out of date, new public procurement follow. Service of collection of samples for monitoring of OV will be proclaimed as a result of public procurement on an annual bases. Prior the campaigns sampling is done from all vaccine batches to control vaccine titer level suitability by EU reference laboratory ANSES Nancy. Bait-dropping is performed by fixed-wing airplanes by trained staff manually through the constructed special tube inside the plane. Flight altitude is – 100-150 m, speed – 150 - 200 km/h and distance between parallel distribution lines ~ 550- 600 m. Navigation tool used for navigation is GPS Garmin Aera 500, which also allows recording of flight track and make offprint afterwards. Distribution of vaccine baits is not carried out in the urban area (town, villages etc), in area of water (lakes, rivers, deep swamps etc) and in area of roads, highways and railways. Awareness campaign will be carried into force in vaccinated and surrounding areas at the time of distribution activities. Efforts will be continued (meetings, regular communication and informational articles) to increase the awareness of publicity and especially veterinary staff and hunters about the rabies risk.

Continuous surveillance and monitoring for rabies will be carried out by Veterinary and Food Board in entire Estonian territory.

In any case, when rabies suspicion is broach by authorized veterinarian or veterinary official, laboratory investigation will follow. Costs of these investigations are covered by State Budget.

Brain samples from foxes or raccoon dogs falling into category of indicator animals (e.g. road kills, animals found dead, animals acting unnaturally, entering human settlements e.c.) will be collected by hunters throughout the country territory.

To control bait-uptake and seroconversion rate by the target animals up to 4 healthy foxes and raccoon dogs/100 km² will be hunted from areas of OV. Blood and head samples of above-mentioned animals will be send to the laboratory for relevant investigations.

4. Measures of the submitted programme

4.1 Summary of measures under the programme

Duration of the programme : 2015 - 2017

First year :

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

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

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) :

The Veterinary and Food Board (VFB), a governmental agency carrying out its tasks under the government of the Ministry of Agriculture, is functions as a supervising body and sees that the requirements stipulated by the legislation that governs veterinary, food safety, market regulation, animal welfare and farm animal breeding are followed. VFB executes supervision over fulfilment of these requirements and applies enforcement by state pursuant to the procedures and in the amount prescribed by law. The organization of the VFB consists of the central office and 15 local offices –

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

veterinary centres in the counties. VFB employs currently 322 people- 67 work in the Central Office and 227 in the counties Veterinary Centres and 28 in the BIP's.

The central office of the VFB has five departments; management of infectious diseases programmes (including State Programme for rabies prevention) is responsibility of the Animal Health, Welfare and Feedingstuffs Department. OV of wildlife is duly coordinated by VFB central office. Latter is responsible for defining the area of OV, methodology of vaccination, organisation of monitoring and surveillance, tendering procedures for oral (and also parenteral) vaccination, contracting, co-ordination and control of OV activities, maintaining awareness of publicity, collection and statistical analysis of data, reporting to EU relevant institutions and international unions e.c.

While elaboration and general coordination of the implementation of the rabies eradication programme is the responsibility of the central authority of the VFB, 15 local veterinary centres in the counties are responsible for coordination of implementation of the programme in the local level. There is an animal health specialist in every county, who is responsible for solving the problems of this particular area. Concerning OV of wildlife, local veterinary centres are mainly responsible for supervision of homogenous samples collection, including packing of material and delivery of samples to the laboratory for monitoring of OV. Local veterinary centres are also responsible for enforcement of compulsory parenteral vaccination program of cats and dogs and surveillance to detect occurrence of rabies. In addition to the above-mentioned full-duty employees, ~96 authorised veterinarians are working for VFB on contract bases, performing practical activities- vaccination procedures with parenteral vaccine procured by State and sample collection for detection of virus. Licensed veterinarians have also right to vaccinate animals against rabies by using vaccine, registered in State Agency of Medicine. All licensed veterinarians are responsible for notifying about rabies suspicion to authorised veterinarian or local veterinary centre.

VFB central office carries out training courses for the supervisory officials of local offices and authorised veterinarians. All personnel working in animal health and welfare field are veterinarians.

In performing rabies eradication activities, VFB uses the services of the Veterinary and Food Laboratory (VFL). Most of diagnostic work in the frames of rabies programme (with exception of baits titration and virus genotyping, latter are carried out in EU reference laboratory ANSES Nancy) is carried out in VFL of Estonia. VFL has central laboratory and three departments: in Tallinn, Rakvere and Kuressaare. All laboratories of the VFL are accredited by the Estonian Accreditation Centre according to EVS-EN ISO/IEC 17025:2006. Rabies virus investigations as well as all investigations of OV efficiency control (detection of tetracycline bio-marker in teeth, determination of animal age, detection of rabies post-vaccination antibodies and viral antigen from brain tissue) are carried out in VFL Central Laboratory. VFL registers samples, makes necessary examinations and reports results to VFB. Communication with international reference laboratories is also responsibility of VFL.

Samples collection for OV monitoring is carried into force by using services of Estonian Hunters Association. A special contract is undersigned where precise numbers and locations from where samples to monitor OV should be collected are pointed out. It is underlined in the contract, that for surveillance of rabies (virus investigations) it is essential to collect samples from rabies indicator animals (foxes and raccoon dogs). Monitoring of OV will be enforced in healthy hunted animals.

VFB is co- operating in rabies control field also with Health Board and Ministry of Environment.

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

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

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) :

Estonia is bordered to the north by the Gulf of Finland, to the west by the Baltic Sea, to the south by Latvian Republic (343 km), and to the east by the Russian Federation (338.6 km).

Buffer-zone in east border with Russia will be retained in years 20145-2017, OV in southern areas bordering with Latvia will not be enforced since 2015 (with exception of case emergency situation will not occur meanwhile).

Rabies virus is widely spread in territory of Russian Federation, several cases also occur in close neighborhood of Estonian-Russian mainland border. To protect potentially rabies-free area from a neighboring infected area, the immunological barrier along the mainland border with Russian Federation Pskov Region area is 50 km in depth. In eastern and north-eastern part of the border with Russia very good natural physical barriers exists. Lake Peipsi is the fifth largest in Europe, covers 3,500 km², its shore length is 520 km and an average depth of 7 m. Lake Peipsi constitutes impassable barrier for most of time of the year, as distance between its coasts can be counted in tenths of kilometers in most occasions. Lake Peipsi is drained by river Narva, largest river in Estonia, which could be crossed by target species only in limited time in cold winters, while frozen. Depth of the buffer zone near Peipsi is reduced to 30 km (measured from lake's eastern coast) and towards river Narva vaccination area is 30 km wide. In case effective OV activities will be carried out across the river Narva in Leningrad region's areas, width of buffer-zone in northeast Estonia could be reduced to 20 km in the future.

If feasible, buffer zone will be edged with natural or artificial barriers in Estonian side.

In total, vaccination area of buffer-zone facing Russia covers ~ 6 200km².

See the map of vaccination area in 2015-2017 in Estonia in Annex (Figure 6).

In case an agreement will be undersigned with Veterinary Services of Leningrad region, maximum depth of buffer OV area over the Narva river could be 50 km and area of the vaccination- zone accordingly 4 660 km² as a maximum.

In ideal, depth of OV area should be 50 km in the southern part of Leningrad Region -Estonian Republic border, as epidemiological situation in this region could be easily influenced by infected Pskovsky region in south. In northern areas, depth of buffer-zone could be reduced to 30 km.

What concerns financial calculations of this application, these are based on maximum depth of the buffer zone, distribution density of baits 25 baits/km² and aerial distribution methodology. As Leningrad region has declared freedom from rabies within more then 25 years, with reliable OV methodology and usage of high-quality vaccine OV could be carried out once a year- in autumn period.

See the map of estimated maximum vaccination area in 2015-2017 in Leningrad Region in Annex (Figure 7).

In the case rabies situation will deteriorate in Estonia (re-infection occurs in areas far from country border) or in Latvia (rabies cases in closer surrounding, then 50 km from Estonian border), alterations from original strategy to conduct OV will be essential (giving occasion for need of reallocation of financial resources necessary for implementing the programme). Major reallocation can be also necessary in case positive communication can be achieved with Veterinary Services of Pskov Region and accordingly vaccination could be conducted increasingly in years 2015-2017 in the territory of Russian Federation.

Notification system of all rabies-suspected cases in wild and domestic animals is applied in all over the territory of Estonia. In case of suspicion, laboratory investigations will follow. Additional surveillance will

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

be conducted throughout the country territory by collecting brain samples from 4 foxes or raccoon dogs per 100 km² (the priority categories for investigation are indicator animals, e.g. road kills, animals found dead, animals with unnatural behavior e.c.).

The efficiency of OV campaigns will be measured by testing samples collected from foxes and raccoon dogs inhabiting areas of OV in 2015-2017 for marker detection, virus and seroconversion rate.

It is presupposed monitoring of OV will be enforced in similar extension in Leningrad Region; costs of monitoring and surveillance activities should be financed from the State Budget of Russian Federation.

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):

According to Regulation No. 34 of the Minister of Agriculture of 25 November 1999 "List of infectious animal diseases subject of notification and registration", rabies is a dangerous infectious animal disease subject of notification. Consolidated version of abovementioned act in Estonian is available in webpage <https://www.riigiteataja.ee/akt/13329161>

Regulation No 67 of 20 November 2000 by Minister of Agriculture "Rules for Rabies Control" enforces line of action in case of rabies suspicion/diagnose. Consolidated version of the Minister of Agriculture Regulation of 20 November 2000 No 67 "Rules for Rabies Control" is available in Estonian in webpage: <https://www.riigiteataja.ee/ert/act.jsp?id=13248917>

Owner of domestic animal or licensed veterinarian should notify without delay to veterinary services about the unnatural behavior of animals or other characteristic symptoms of the rabies. The local authority of the VFB has to be notified immediately about the entrance of a wild animal into human settlement, its attack to a domestic animal or human. An authorised veterinarian and the laboratory which diagnoses rabies are obliged to notify the local authority of the VFB about rabies or rabies suspicion. The local authority of the VFB has to notify the local authority of the Health Board about the contact between a man and an animal who has the rabies or who is suspected to have the disease.

4.4.2 Target animals and animal population

(max. 32000 chars):

Target population of OV programme are reservoirs of the disease, red foxes and raccoon dogs.

There is no present-day counting data available for those species.

According to the data of the Ministry of Environment population of foxes has fluctuating nature in recent years. Population growth was rapid in year 2008, moderate in years 2009 to 2010, undergoes steep relapse since 2011 and is in very sharp decrease in recent years. What concerns raccoon dogs, estimations of their numbers have shown persistent increase, but hunter's estimations in years 2011-2012 gave reason to assume, population growth has stabilized in latest years and statistics in year 2013 indicate decrease in latter species numerical values as well. Changes in small predator's population sizes have been influenced by numerous cases of scabies diagnosed visually in all regions of the country

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

spread by foxes and raccoon dogs. The outbreak of sarcoptic mange has been spreading more freely among raccoon dogs due to very warm winter in 2013 as these species had problems to hibernate. These trends of population –size are based on the results of questioning of hunters in every hunting-region yearly concerning their opinion, is the trend of population growth positive or negative. Precise data is available concerning hunting-bag: hunting bag for foxes was 9 656 individuals in 2010, 7 144 in 2011, 6 474 in 2012 and 4 154 individuals in 2013. Similar figures for raccoon dogs have been 12 600 animals in 2010, 12 577 in 2011, 13 111 in 2012 and 11 043 raccoon dogs in 2013.

4.4.3 Identification of animals and registration of holdings

(max. 32000 chars) :

NA

4.4.4 Qualifications of animals and herds

(max. 32000 chars) :

NA

4.4.5 Rules of the movement of animals

(max. 32000 chars) :

NA for wildlife.

Rules stipulated by EC Regulation No 998/2003 are followed for the non- commercial movement of pet animals.

4.4.6 Tests used and sampling schemes

(max. 32000 chars) :

Testing material is collected from all rabies suspected animals for laboratory investigations to confirm or overrule disease appearance.

Tests carried out in case of rabies suspicion are Fluorescent Antibody Test (FAT), virus isolation on cell culture (CC) and polymerase chain reaction (RT-PCR). In case sample investigation by FAT has given negative or suspicious result and animal had contact with non vaccinated animal or person, additional testing by CC and RT-PCR will follow. Testing procedure for samples which are tested by FAT with positive result- result will be reported without additional testing.

Surveillance is conducted throughout the country territory (including OV area) by collecting brain samples from indicator animals of foxes or raccoon dogs. The objective has been to maximize as much as possible proportion of indicator animals in the virus test group as latter are the priority categories for

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

virus investigation. FAT is used for laboratory investigations of these brain-samples. In years 2011-2013 the proportion of indicator animals samples collected by hunters has risen from 10% to 35% and efforts will be continued in 2014 to increase the amount of them in the test group as much as possible. Starting from spring 2015, only animals from all species suspected for rabies presence and indicator animals from foxes and raccoon dog population are tested for virus.

OV monitoring is conducted in areas vaccinated from the air. Head and blood samples are collected from 4 foxes or raccoon dogs per 100 km² of ORV area. Detection of tetracycline in teeth and bone specimens by fluorescence is carried out on these samples; additionally age of all tested animals is determined. The enzyme-linked immuno-sorbent assay (ELISA) technique is in use for testing of wildlife sera after OV to confirm population immunity level achieved.

4.4.7 Vaccines used and vaccination schemes

(max. 32000 chars) :

Due to improvement of rabies situation in recent years, legal bases in Regulation No. 67 of the Minister of Agriculture "Rabies Control Rules" of 20.11.2000 (RTL 2000, 120, 1876) concerning vaccination of domestic animals were changed in year 2009. Animal owner is required to ensure that the cats and dogs belonging to him or her are vaccinated. Primary vaccination of dogs and cats takes place when animal is 3-4 months old. For decades as a rule, animals were revaccinated once a year, preferably after 12 months of the last vaccination. According to amendments in abovementioned regulation, since 20.07.09, it is allowed to make booster vaccination in accordance with instructions described in product information sheet of vaccine used, but interval between vaccinations can not be longer, than 24 months have passed from last vaccination. The vaccination of farm animals that graze on woodland pastures and pastures adjacent to forests is recommended. Animals are vaccinated by veterinary supervisory officials, authorized veterinary surgeons or licensed veterinarians. Since 18.12.09., it is compulsory to issue to animal owner after each vaccination an acknowledgment of vaccination (as a certificate, mark in passport e.c.) where vaccination date and revaccination date will be designated. This document should be retained at least until revaccination of the animal.

For vaccination of domestic animals inactivated adjuvant vaccine (Rabisin) against rabies has been used until lately, as a vaccine procured for implementing the State Program on Monitoring and Surveillance of Animal Infectious Diseases. As a result of public tender, Biocan was used as a "State Vaccine" in year 2013, but as a consequence of latest public procurement, Rabisin vaccine is the basic vaccine in use by authorised veterinarians nowadays. Also other rabies vaccines registered by State Agency of Medicines could be exploited by licensed veterinarians.

For OV of wildlife vaccine is procured via public procurement by VFB. Bidder is fully responsible for ensuring the consistency of the supply, proper storage and transportation facilities of baits. Vaccine must be registered in Estonian State Agency of Medicine or registered at the European Community Register of veterinary medicinal products. Vaccine baits should be in compliance with European Pharmacopoeia no. 0746 "European monograph for live oral rabies vaccine for foxes". The baits must fulfil WHO recommended criteria of efficacy, pathogenicity and stability. Vaccine should consist of bait casing attractive for the foxes and raccoon dogs and containing a capsule or a sachet consisting of live vaccine against rabies. The bait should contain a biomarker tetracycline.

As a result of public tenders, Rabigen SAG-2 has been the only vaccine used for wildlife vaccination in Estonia.

Distribution of baits is carried out biannually, in spring and autumn. Prior the campaigns from every vaccine batches 10 baits are sent to the EU reference laboratory for rabies to control existence of proper vaccine titer. For distribution of vaccine baits small-scale airplanes type Cessna 172 are used. Baits are

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

dropped manually by trained persons through the tube system, specially constructed into planes. Dropping is stopped while flying over urban areas, roads, rivers, lakes and deep marshes. Flying takes place in the principle of parallel lines, distance between flight lines used is up to 600 metres and altitude from ground 100 – 150 meters. GPS Garmin is used as navigation tool, which also allows recording of flight track and make offprint afterwards. Distribution density of vaccine baits is as a general rule 20 baits per sq km. No additional manual distribution from ground is carried out. Public tenders were officiated in early 2014 to purchase vaccine baits and acquire distribution service. For the time being contracts has been undersigned as a result of both tenders for years 2014-2015. In early 2016 follow-on public tendering procedures will be started.

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

(max. 32000 chars) :

NA

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) :

Measures in case of rabies suspicion/diagnose on cat or dog.

A cat or a dog with rabies suspicion has to be isolated for at least 14 days into an area surrounded by fence or into a separate closed room pursuant to the orders of the veterinary supervisory official or authorised veterinarian or killed without damaging its head if the animal keeper cannot ensure safe isolation of the animal or the animal keeper cannot be identified. The veterinary supervisory official or the authorised veterinarian take samples from the killed animal, also from the animal, who has died during the isolation period and send these to the laboratory.

After the sample for analyses has been taken the carcass of the animal has to be burnt. If rabies is not confirmed within 14 days, the veterinary supervisory official or the authorised veterinarian can release the animal from isolation after examining it and if necessary, vaccinating it.

Measures in case of rabies suspicion/diagnose on farm animal.

If rabies is diagnosed with one animal of the herd the authorised veterinarian has to examine all other animals of the herd in order to find typical clinical symptoms of rabies or animals with traces of bites. The veterinary supervisory official has to issue an order for compulsory killing of all animals with the suspicion of rabies or isolation of those animals for at least 14 days into an area surrounded by barriers or into a separate closed room. After having taken samples, the carcass of the animal has to be destroyed immediately pursuant to the prescriptions of the veterinary supervisory official. If the infection source is not known, the authorised veterinarian or the veterinary supervisory official can order the rest of the herd to be vaccinated. The herd has to remain under the supervision of the local authority of the Veterinary and Food Board for at least 30 days. The animal keeper is obliged to notify the authorised veterinarian about all health disturbances of the animals. Restrictions about animal's movements,

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

slaughtering and use raw milk and raw milk products are adjusted to herd. The room where the animal with rabies is kept, the animal's bed or the isolation room and the objects which are probably contaminated with the virus have to be disinfected pursuant to the orders of the veterinary supervisory official or the authorised veterinarian.

Measures in case of rabies suspicion/diagnose on wild animal.

The wild animals with suspicious behavior should be killed pursuant to the orders of the veterinary supervisory official or the authorised veterinarian without damaging the animal's head. Samples should be sent to the laboratory for confirmation or overruling of rabies suspicion. After samples have been taken the carcass of the wild animal has to be burnt or buried pursuant to the prescription of the veterinary supervisory official. The veterinary supervisory official or the authorised veterinarian in cooperation with the Environmental Board and a person holding the hunting right determines the probable trajectory of the animal's movement and the fact whether it has bitten a domestic animal or a human. All animals bitten by suspicious/infected animal are treated as rabies suspected until proven contrariwise.

The local authority of the VFB has to notify the local authority of the Health Board about the contact between a man and an animal who has the rabies or who is suspected to have the disease.

Measures to control, are you reading with full attention, dear colleague, and if you are- it is appropriate to smile.

In any case, when rabies is diagnosed, epidemiological investigation will follow. Scope of investigations is to determine time and source of infection, potential ways of spreading of disease, other contact animals.

In case re-emerging rabies case(s) appear inside country in unvaccinated area, emergency vaccination will follow in the surrounding of 20-50 km from outbreak (depending upon existence of natural or artificial barriers of the movements of reservoir animals). If rabies case(s) are discovered inside buffer zone, further, then 25 km from unvaccinated area, buffer-zone will be expanded accordingly for next vaccination campaign. If less, the 25 km is between inner edge of vaccination belt and rabies case, emergency vaccination in sufficient area of unvaccinated territory will follow. VFB can decide not to carry out an emergency vaccination in case source of rabies infection is an imported animal, when based on results of epidemiological investigation infection has not been spread to wildlife. To conduct emergency vaccination an additional financial support would be applied from State Budget and European Commission.

4.4.10 Compensation scheme for owners of slaughtered and killed animals

(max. 32000 chars):

NA

4.4.11 Control on the implementation of the programme and reporting

(max. 32000 chars):

The central agency performing supervision over the implementation of the programme is the VFB. Representative of VFB presides over vaccination for whole OV campaign long. Special letter of guidance is laid down for staff to carry out vaccine-dropping. The aerial bait distribution is checked by bait

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

distribution records (in electronic and paper format). GPS system is used for recording of flight tracks (journey, coordinates, periodicity of flight routs, speed, and altitude from ground). Intense superintendence is ongoing over storage and transportation of vaccine baits, including physical checks and storage-room temperature out prints. Prior the campaigns from every vaccine batch in use 10 baits are sent to Community reference laboratory to ascertain existence of proper vaccine titer. Before start of OV, results proving sufficient quality of baits should be available. Neighboring countries are informed about vaccination activities in advance.

For controlling the efficacy of OV of foxes and raccoon dogs against rabies three main methods are used: investigation of all rabies-suspected cases and indicator animals of target species to verify virus prevalence, detection of tetracycline marker by testing the teeth of target population, titration of rabies antibodies to identify seroconversion rate.

Relevant reports to EU and international professional unions are prepared timely by Animal Health, Welfare and Feeding stuffs Department of VFB.

5. *Benefits of the programme*

A description is provided of the benefits of the programme on the economical and animal and public health points of view.

(max. 32000 chars) :

General objective of the programme is preventing rabies cases among wild and domestic animals and via this reducing the probability for humans to get infected with rabies.

By retaining vaccination belt between Estonian territory and neighboring infected areas, re-infection of areas free from rabies will be avoided and official freedom from rabies maintained.

For brucellosis (bovine and small ruminants) and tuberculosis, if an annual programme is submitted, please provide also the targets for herd incidence and prevalence , and the animal prevalence for at least 3 years (including the year for which the programme is submitted).

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

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

yes

6.1 *Evolution of the disease*

Evolution of the disease : *Not applicable* *Applicable...*

6.2 *Stratified data on surveillance and laboratory tests*

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

6.2.1 Stratified data on surveillance and laboratory tests for year : 2013

Region	Animal Species	Test Type	Test Description	Number of samples tested	Number of positive samples	
Estonia	Domestic animals suspected	microbiological or virological test	Fluorescent Antibody Test	29	0	X
Estonia	Wild animals suspected	microbiological or virological test	FAT	164	0	X
Estonia	Foxes	microbiological or virological test	FAT	369	0	X
Estonia	Raccoon dogs	microbiological or virological test	FAT	1 346	0	X
Estonia	Foxes	other test	Detection of tetracycline	91	75	X
Estonia	Raccoon dogs	other test	TC	340	285	X
Estonia	Foxes	serological test	AB-ELISA	87	40	X
Estonia	Raccoon dogs	serological test	AB-ELISA	331	158	X
Total				2 757		
				ADD A NEW ROW		

6.3 Data on infection

Data on infection

Not applicable

Applicable...

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

6.3 Data on infection at the end of year :

2013

Region	Animal Species	Number of herds infected	Number of animals infected	
Estonia	All species	0	0	X
Total		0	0	
		Add a new row		

6.4 Data on the status of herds

Data on the status of herds :

Not applicable

Applicable...

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

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...

6.6.1 Estimation of wildlife population for year: **2013**

Region	Species	Method of estimation	Estimation of the population	
Estonia	fox	hunting bag	4 154	X
Estonia	raccoon dog	hunting bag	11 043	X
			ADD A NEW ROW	

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

6.6.2 Disease surveillance and other tests in wildlife for year :

2013

Region	Species	Test type	Test Description	Number of samples tested	Number of positive samples	
Estonia	Wild animals suspected	other test	Fluorescent Antibody Test (FAT)	164	0	X
Estonia	fox	other test	FAT	369	0	X
Estonia	raccoon dog	other test	FAT	1 346	0	X
Estonia	fox	Biomarker detection	Detection of tetracycline (TC)	91	75	X
Estonia	raccoon dog	Biomarker detection	TC	340	285	X
Estonia	fox	serological test	AB-ELISA	87	40	X
Estonia	raccoon dog	serological test	AB-ELISA	331	158	X
ADD A NEW ROW						

6.6.3 Data on vaccination or treatment of wildlife for year :

2013

Region	Square km	Number of doses of vaccine or treatment to be administered	Number of campaigns	Total number of doses of vaccine or treatment administered	
Buffer-zone (spring)	9 325	186 600	1	186 600	X
Buffer-zone (autumn)	9 325	186 800	1	186 800	X
ADD A NEW ROW					

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

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 : **2015**

Region	Type of the test	Target population	Type of sample	Objective	Number of planned tests	
Estonia	FAT	Suspected wild and domestic animals	brain tissue	confirmation of suspected cases	250	X
Estonia	PCR	Suspected wild and domestic animals	brain tissue	confirmation of suspected cases	100	X
Estonia	CC	Suspected wild and domestic animals	brain tissue	confirmation of suspected cases	100	X
Estonia	FAT	Foxes and racoon dogs, indicator animals	brain tissue	surveillance	1 000	X
Buffer-zone in Estonia	TC detection	Foxes and Racoon dogs	mandibula, tooth	monitoring of campaigns	250	X
Buffer-zone in Estonia	AB-ELISA	Foxes and Racoon dogs	serum	monitoring of campaigns	250	X
Estonia	PCR (sequencing)	Animals tested positive for virus	brain tissue	virus strain genotyping	5	X

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

Buffer-zone in Leningrad Region	Virology	Foxes and Raccoon dogs	brain tissue	surveillance, monitoring of campaigns	186	X
Buffer-zone in Leningrad Region	TC detection	Foxes and Raccoon dogs	mandibula, tooth	monitoring of campaigns	186	X
Buffer-zone in Leningrad Region	Serology	Foxes and Raccoon dogs	serum	monitoring of campaigns	186	X
Total					2 513	
Add a new row						

7.1.1 *Targets on diagnostic tests for year :* **2016**

Region	Type of the test	Target population	Type of sample	Objective	Number of planned tests	
Estonia	FAT	Suspected wild and domestic animals	brain tissue	confirmation of suspected cases	250	X
Estonia	PCR	Suspected wild and domestic animals	brain tissue	confirmation of suspected cases	100	X
Estonia	CC	Suspected wild and domestic animals	brain tissue	confirmation of suspected cases	100	X
Estonia	FAT	Foxes and racoon dogs, indicator animals	brain tissue	surveillance	1 000	X
Buffer-zone in Estonia	TC detection	Foxes and Raccoon dogs	mandibula, tooth	monitoring of campaigns	250	X
Buffer-zone in Estonia	AB-ELISA	Foxes and Raccoon dogs	serum	monitoring of campaigns	250	X
Estonia	PCR (sequencing)	Animals tested positive for virus	brain tissue	virus strain genotyping	5	X
Buffer-zone in Leningrad Region	Virology	Foxes and Raccoon dogs	brain tissue	surveillance, monitoring of campaigns	186	X
Buffer-zone in Leningrad Region	TC detection	Foxes and Raccoon dogs	mandibula, tooth	monitoring of campaigns	186	X

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

Buffer-zone in Leningrad Region	Serology	Foxes and Raccoon dogs	serum	monitoring of campaigns	186	X
Total					2 513	
Add a new row						

7.1.1 Targets on diagnostic tests for year : **2017**

Region	Type of the test	Target population	Type of sample	Objective	Number of planned tests	
Estonia	FAT	Suspected wild and domestic animals	brain tissue	confirmation of suspected cases	250	X
Estonia	PCR	Suspected wild and domestic animals	brain tissue	confirmation of suspected cases	100	X
Estonia	CC	Suspected wild and domestic animals	brain tissue	confirmation of suspected cases	100	X
Estonia	FAT	Foxes and racoon dogs, indicator animals	brain tissue	surveillance	1 000	X
Buffer-zone in Estonia	TC detection	Foxes and Raccoon dogs	mandibula, tooth	monitoring of campaigns	250	X
Buffer-zone in Estonia	AB-ELISA	Foxes and Raccoon dogs	serum	monitoring of campaigns	250	X
Estonia	PCR (sequencing)	Animals tested positive for virus	brain tissue	virus strain genotyping	5	X
Buffer-zone in Leningrad Region	Virology	Foxes and Raccoon dogs	brain tissue	surveillance, monitoring of campaigns	186	X
Buffer-zone in Leningrad Region	TC detection	Foxes and Raccoon dogs	mandibula, tooth	monitoring of campaigns	186	X
Buffer-zone in Leningrad Region	Serology	Foxes and Raccoon dogs	serum	monitoring of campaigns	186	X
Total					2 513	

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

			Add a new row	
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7.1.2 *Targets on testing herds and animals*

7.1.2.1 *Targets on testing herds*

Not applicable

Applicable...

7.1.2.2 *Targets on testing animals*

Not applicable

Applicable...

7.2 *Targets on qualification of herds and animals*

Targets on qualification of herds and animals *Not applicable*

Applicable...

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

7.3 Targets on vaccination or treatment

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

7.3.1 Targets on vaccination or treatment for year : 2015

		Targets on vaccination or treatment programme								
Region	Animal species	Total number of herds in vaccination or treatment programme	Total number of animals in vaccination or treatment programme	Number of herds in vaccination or treatment programme	Number of herds expected to be vaccinated or treated	Number of animals expected to be vaccinated or treated	Number of doses of vaccine or treatment expected to be administered	Number of adults expected to be vaccinated	Number of young animals expected to be vaccinated	
Estonia	Dogs and cats (also agri)	0	0	0	0	50 000	50 000	0	0	X
Total		0	0	0	0	50 000	50 000	0	0	
							Add a new row			

7.3.1 Targets on vaccination or treatment for year : 2016

		Targets on vaccination or treatment programme								

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

Region	Animal species	Total number of herds in vaccination or treatment programme	Total number of animals in vaccination or treatment programme	Number of herds in vaccination or treatment programme	Number of herds expected to be vaccinated or treated	Number of animals expected to be vaccinated or treated	Number of doses of vaccine or treatment expected to be administered	Number of adults expected to be vaccinated	Number of young animals expected to be vaccinated	
Estonia	Dogs and cats (also agri	0	0	0	0	50 000	50 000	0	0	X
Total		0	0	0	0	50 000	50 000	0	0	
Add a new row										

7.3.1 *Targets on vaccination or treatment for year :* **2017**

Targets on vaccination or treatment programme										
Region	Animal species	Total number of herds in vaccination or treatment programme	Total number of animals in vaccination or treatment programme	Number of herds in vaccination or treatment programme	Number of herds expected to be vaccinated or treated	Number of animals expected to be vaccinated or treated	Number of doses of vaccine or treatment expected to be administered	Number of adults expected to be vaccinated	Number of young animals expected to be vaccinated	
Estonia	Dogs and cats (also agri	0	0	0	0	50 000	50 000	0	0	X
Total		0	0	0	0	50 000	50 000	0	0	
Add a new row										

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

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

7.3.2 Targets on vaccination or treatment of wildlife for year : 2015

Region	Square km	Targets on vaccination or treatment programme			
		Number of doses of vaccine or treatments expected to be administered in the campaign	Expected number of campaigns	Total number of doses of vaccine or treatment expected to be administered	
Buffer-zone along border with Russian Federation	6 200	124 000	2	248 000	X
Buffer-zone in Leningrad Region	4 660	116 500	1	116 500	X
Total		240 500		364 500	
			Add a new row		

7.3.2 Targets on vaccination or treatment of wildlife for year : 2016

Region	Square km	Targets on vaccination or treatment programme			
		Number of doses of vaccine or treatments expected to be administered in the campaign	Expected number of campaigns	Total number of doses of vaccine or treatment expected to be administered	
Buffer-zone along border with Russian Federation	6 200	124 000	2	248 000	X

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

Buffer-zone in Leningrad Region	4 660	116 500	1	116 500	X
Total		240 500		364 500	
Add a new row					

7.3.2 Targets on vaccination or treatment of wildlife for year : **2017**

Region	Square km	Targets on vaccination or treatment programme			
		Number of doses of vaccine or treatments expected to be administered in the campaign	Expected number of campaigns	Total number of doses of vaccine or treatment expected to be administered	
Buffer-zone along border with Russian Federation	6 200	124 000	2	248 000	X
Buffer-zone in Leningrad Region	4 660	116 500	1	116 500	X
Total		240 500		364 500	
Add a new row					

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

8. Detailed analysis of the cost of the programme

8.1 Costs of the planned activities for year :

2015

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

To facilitate the handling of your cost data, you are kindly requested to:

1. *Fill-in the text fields IN ENGLISH*
2. *Limit as much as possible the entries to the pre-loaded options where available.*
3. *If you need to further specify a pre-loaded option, please keep the pre-loaded text and add your clarification to it in the same box.*

1. Testing							
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested	
Cost of analysis	Fluorescent Antibody test (FAT), suspected animals	Individual animal sample/test	250	39.36	9840	yes	X
Cost of analysis	PCR, suspected animals	Individual animal sample/test	100	71.2	7120	yes	X
Cost of analysis	Cell culture (CC), suspected animals	Individual animal sample/test	100	76.26	7626	yes	X
Cost of analysis	Virus sequencing	Individual animal sample/test	5	127.82	639,1	yes	X
Cost of analysis	Fluorescent Antibody Test (foxes/rac. dogs, indicator ar	Individual animal sample/test	1 000	39.36	39360	yes	X
Cost of analysis	Tetracycline detection	Individual animal sample/test	250	18.35	4587,5	yes	X
Cost of analysis	Elisa (antibody)	Individual animal sample/test	250	22.6	5650	yes	X

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

Cost of sampling	Wild animals (head samples)	Individual animal sample/test	1 460	12.54	18308,4	yes	X
Cost of sampling	Wild animals (blood samples)	Individual animal sample/test	250	12.54	3135	yes	X
Other cost	Transportation of samples (all species)	Individual animal sample/test	1 500	4.63	6945	yes	X
Other cost	Autopsy (all species)	Individual animal sample/test	1 500	17.15	25725	yes	X
Cost of analysis	Live vaccine titration	Vaccine batches	10	594	5940	yes	X
						Add a new row	

2. Vaccines

Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested	
Purchase of vaccine	Wildlife oral vaccination, Estonia	Vaccine dose	248 000	0.87	215,760	yes	X
Distribution costs	Wildlife oral vaccination, Estonia	Square Kilometer of distribution	12 400	7.19	89156	yes	X
Purchase of vaccine	Purchase of vaccine in Third Country, Leningrad Region	Vaccine dose	116 500	0.6	69900	yes	X
Distribution costs	Distribution of vaccine in Third Country, Leningrad Region	Square Kilometer of distribution	4 660	8.75	40775	yes	X
						Add a new row	

3. Compensation paid to owners

Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested	
						Add a new row	

4. Cleaning and disinfection

Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested	
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Standard requirements for the submission of programme for eradication, control and monitoring

							Add a new row		
5. Slaughtering/culling costs									
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested			
							Add a new row		
6. Other costs									
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested			
Awareness campaign	Organization of awareness campaign	Campaign	2	3500	7000	yes		X	
							Add a new row		
Total					557 467,00 €				

8.1 Costs of the planned activities for year :

2016

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

To facilitate the handling of your cost data, you are kindly requested to:

1. Fill-in the text fields IN ENGLISH
2. Limit as much as possible the entries to the pre-loaded options where available.
3. If you need to further specify a pre-loaded option, please keep the pre-loaded text and add your clarification to it in the same box.

1. Testing								
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested		
Cost of analysis	Fluorescent Antibody test (FAT), suspected animals	Individual animal sample/test	250	39.36	9840	yes		X

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

Cost of analysis	PCR, suspected animals	Individual animal sample/test	100	71.2	7120	yes	X
Cost of analysis	Cell culture (CC), suspected animals	Individual animal sample/test	100	76.26	7626	yes	X
Cost of analysis	Virus sequencing	Individual animal sample/test	5	127.82	639,1	yes	X
Cost of analysis	Fluorescent Antibody Test (foxes/rac. dogs, indicator ar	Individual animal sample/test	1 000	39.36	39360	yes	X
Cost of analysis	Tetracycline detection	Individual animal sample/test	250	18.35	4587,5	yes	X
Cost of analysis	Elisa (antibody)	Individual animal sample/test	250	22.6	5650	yes	X
Cost of sampling	Wild animals (head samples)	Individual animal sample/test	1 460	13.79	20133,4	yes	X
Cost of sampling	Wild animals (blood samples)	Individual animal sample/test	250	13.79	3447,5	yes	X
Other cost	Transportation of samples (all species)	Individual animal sample/test	1 500	4.63	6945	yes	X
Other cost	Autopsy (all species)	Individual animal sample/test	1 500	17.15	25725	yes	X
Cost of analysis	Live vaccine titration	Vaccine batches	10	653.4	6534	yes	X
						Add a new row	
2. Vaccines							
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested	
Purchase of vaccine	Wildlife oral vaccination, Estonia	Vaccine dose	248 000	0.88	218,240	yes	X
Distribution costs	Wildlife oral vaccination, Estonia	Square Kilometer of distribution	12 400	7.55	93620	yes	X
Purchase of vaccine	Purchase of vaccine in Third Country, Leningrad Regi	Vaccine dose	116 500	0.6	69900	yes	X
Distribution costs	Distribution of vaccine in Third Country, Leningrad Regi	Square Kilometer of distribution	4 660	8.75	40775	yes	X

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

						Add a new row		
3. Compensation paid to owners								
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested		
							Add a new row	
4. Cleaning and disinfection								
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested		
							Add a new row	
5. Slaughtering/culling costs								
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested		
							Add a new row	
6. Other costs								
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested		
Awareness campaign	Organization of awareness campaign	Campaign	2	3500	7000	yes		X
							Add a new row	
Total					567 142,50 €			

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

8.1 Costs of the planned activities for year :

2017

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

To facilitate the handling of your cost data, you are kindly requested to:

1. Fill-in the text fields IN ENGLISH
2. Limit as much as possible the entries to the pre-loaded options where available.
3. If you need to further specify a pre-loaded option, please keep the pre-loaded text and add your clarification to it in the same box.

1. Testing							
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested	
Cost of analysis	Fluorescent Antibody test (FAT), suspected animals	Individual animal sample/test	250	39.36	9840	yes	X
Cost of analysis	PCR, suspected animals	Individual animal sample/test	100	71.2	7120	yes	X
Cost of analysis	Cell culture (CC), suspected animals	Individual animal sample/test	100	76.26	7626	yes	X
Cost of analysis	Virus sequencing	Individual animal sample/test	5	127.82	639,1	yes	X
Cost of analysis	Fluorescent Antibody Test (foxes/rac. dogs, indicator ar	Individual animal sample/test	1 000	39.36	39360	yes	X
Cost of analysis	Tetracycline detection	Individual animal sample/test	250	18.35	4587,5	yes	X
Cost of analysis	Elisa (antibody)	Individual animal sample/test	250	22.6	5650	yes	X
Cost of sampling	Wild animals (head samples)	Individual animal sample/test	1 460	15.17	22148,2	yes	X
Cost of sampling	Wild animals (blood samples)	Individual animal sample/test	250	15.17	3792,5	yes	X

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

Other cost	Transportation of samples (all species)	Individual animal sample/test	1 500	4.63	6945	yes	X
Other cost	Autopsy (all species)	Individual animal sample/test	1 500	17.15	25725	yes	X
Cost of analysis	Live vaccine titration	Vaccine batches	10	718.7	7187	yes	X
						Add a new row	
2. Vaccines							
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested	
Purchase of vaccine/treatment of animal product	Wildlife oral vaccination, Estonia	Vaccine dose	248 000	0.89	220,720	yes	X
Distribution costs	Wildlife oral vaccination, Estonia	Square Kilometer of distribution	12 400	7.93	98332	yes	X
Purchase of vaccine/treatment of animal product	Purchase of vaccine in Third Country, Leningrad Regio	Vaccine dose	116 500	0.6	69900	yes	X
Distribution costs	Distribution of vaccine in Third Country, Leningrad Regio	Square Kilometer of distribution	4 660	8.75	40775	yes	X
						Add a new row	
3. Compensation paid to owners							
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested	
						Add a new row	
4. Cleaning and disinfection							
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Community funding requested	
						Add a new row	
5. Slaughtering/culling costs							
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested	

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

						Add a new row	
6.Other costs							
Cost related to	Specification	Unit	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested	
Awareness campaign	Organization of awareness campaign	Campaign	2	3500	7000	yes	X
						Add a new row	
Total					577 347,30 €		

8.2 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

Please explain for which measures and why co-financing rate should be increased (max 32000 characters)

Concerning the measures of OV programme implemented inside Estonia, we are applying for co-financing rate for the reimbursement of the eligible costs to be increased up to 75% as Estonia's gross national income per inhabitant is less than 90% of the Union average and there are cross-border activities foreseen to be implemented in order to control rabies.

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

8.3 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 the national funding (max 32000 characters)

Source of national funding is State Budget of Estonian Republic (via Veterinary and Food Board's and Veterinary and Food Laboratory's Budget.)

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

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
	3579_3095.doc	3579_3095.doc	733 kb
		Total size of attachments :	733 kb