



EUROPEAN COMMISSION
HEALTH AND CONSUMERS DIRECTORATE-GENERAL

Director General

SANCO/10432/2014

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

**The programme for
the control of certain zoonotic salmonella in breeding,
laying and broiler flocks of Gallus gallus and in flocks of
turkeys (Meleagris gallopavo)**

Estonia

Approved* for 2014 by Commission Decision 2013/722/EU

* in accordance with Council Decision 2009/470/EC

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version : 2.3

PROGRAMME for ERADICATION : **ANNEX II - PART A + B**

Member States seeking a financial contribution from the Community for national programmes for the control and monitoring of salmonellosis (zoonotic salmonella), shall submit applications containing at least the information set out in this form.

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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Instructions to complete the form:

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Tuesday, April 30, 2013 13:33:08

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ANNEX II - PART A

General requirements for the national salmonella control programmes

Member state : EESTI

(a) State the aim of the programme

(max. 32000 chars) :

The main objectives of the control programme are:

- 1) a reduction of the maximum annual percentage of flocks of broilers remaining positive for Salmonella enteritidis and Salmonella typhimurium equal to 1% (Union target) ,according to the Commission Regulation (EC) No 200/2012 of 8 March 2012 concerning a Union target for the reduction of Salmonella enteritidis and Salmonella typhimurium in flocks of broilers, as provided for in Regulation (EC) No 2160/2003 of the European Parliament and of the Council. Monophasic Salmonella Typhimurium is also included in the target;
- 2) to ensure that adequate and effective measures for monitoring and control of zoonotic Salmonella infections are taken in broiler flocks;

(b) Animal population and phases of production which sampling must cover

Demonstrate the evidence that it complies with the minimum sampling requirements laid down in part B of Annex II to Regulation (EC) No 2160/2003 of the European Parliament and of the Council OJ L 325, 12.12.2003, p. 1. indicating the relevant animal population and phases of production which sampling must cover

It is mandatory to fill in the box about Animal populations to make the rest of the questions visible.

Animal population Broiler flocks of Gallus gallus

Broilers Birds leaving for slaughter

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(c) Specific requirements

Demonstrate the evidence that it complies with the specific requirements laid down in Parts C, D and E of Annex II to Regulation (EC) No 2160/2003

(max. 32000 chars) :

The programme complies with the specific requirements laid down in Part E of Annex 2 to Regulation (EC) No 2160/2003.

(d) Specification of the following points :

(d)1. General

(d)1.1 A short summary referring to the occurrence of Salmonellosis (Zoonotic Salmonella)

A short summary referring to the occurrence of the salmonellosis [zoonotic salmonella] in the Member State with specific reference to the results obtained in the framework of monitoring in accordance with Article 4 of Directive 2003/99/EC of the European Parliament and of the Council OJ L 325, 12.12.2003, p. 31., particularly highlighting the prevalence values of the salmonella serovars targeted in the salmonella control programmes.

(max. 32000 chars) :

The results of the baseline study on the prevalence of salmonella in broilers of Gallus gallus carried out in Estonia in 01.10.2005 - 30.09.2006: the prevalence of S. enteritidis was 3,9% and the prevalence of S. typhimurium was 0%.

In 2008 the prevalence of S. enteritidis was 0,9% and S. typhimurium was 0%.

In 2009 the prevalence of S. enteritidis and S. typhimurium was 0%.

In 2010 the prevalence of S. enteritidis and S. typhimurium was 0%.

In 2011 the prevalence of S. enteritidis and S. typhimurium was 0%.

In 2012 the prevalence of S. enteritidis and S. typhimurium was 0%.

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(d)1.2 The structure and organization of the relevant competent authorities.

Please refer to the information flow between bodies involved in the implementation of the programme.

(max. 32000 chars) :

Veterinary and Food Board of Estonia functions as a supervising body and sees to that the requirements stipulated by the legislation that governs veterinary, food safety, market regulation, animal welfare and farm animal breeding are followed and executes supervision over fulfilment of these requirements and applies enforcement by state pursuant to the procedures and in the amount prescribed by law. The Animal Health Office of Veterinary and Food Board organizes and carries out infectious animal disease control and applies measures for protecting humans against zoonotic diseases; it also carries out supervision over the registration and identification of animals and the veterinary control of the domestic movement of animals; it protects the environment against hazards concurring with animal husbandry and infectious animal diseases; it controls the use of medicines and medicated feedingstuffs by veterinarians and animal keepers who are involved in the production of products of animal origin; it organizes the work of the national veterinary service and coordinates and carries out supervision over veterinary assistance, treatment and prophylactics of animals; it is involved in the approval and registration of livestock buildings and facilities, advises in the preparation of construction projects; and it participates in the preparation and carrying out of national or international projects for animal health. Veterinary and Food Board consists of the Central Office and 15 local veterinary centres in the counties. The main objective of the Central Office is to coordinate supervision while the local veterinary centres carry out supervision.

In the event of the requirement for the prevention of an infectious animal disease, or a suspicion that one might be present, or in the event of an actual outbreak, close cooperation is required with the appropriate Veterinary and Food Laboratory, which carries out the necessary laboratory examinations.

(d)1.3 Approved laboratories where samples collected within the programme are analysed.

(max. 32000 chars) :

All samples collected within the programme are analyzed in Veterinary and Food Laboratory. The Central Veterinary and Food Laboratory is situated in Tartu. In addition, three smaller laboratories in Tallinn, Rakvere and Saaremaa are part of the Veterinary and Food Laboratory. All these laboratories are separately accredited according to the EVS- EN ISO/IEC 17 025.

For further serotyping and phagetyping, a proportion of the typable strains and of the non-typable isolates are sent to the CRL Microbiological Laboratory for Health Protection in Bilthoven The Netherlands. CRL has confirmed our results so far. For epidemiological purposes, we also test anti-microbial susceptibility of serotypes found in our flocks. Interpretive breakpoints were based on NCCLS criteria. The isolates originate from samples that routinely come to the lab, e.g control programmes,

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clinical investigations. Resistance testing performed according to ISO 20776-1:2006. Antimicrobials included in monitoring are ampicillin, gentamicin, kanamycin, ciprofloxacin, chloramphenicol, cefotaxim, sulfonamide, trimethoprim, nalidixic acid, streptomycin, tetracycline.

(d)1.4 Methods used in the examination of the samples in the framework of the programme.

(max. 32000 chars) :

Sampling procedures are performed by state operated veterinary service. Activities are co-ordinated by Veterinary and Food Board. Samples are taken by official veterinarians. Abovementioned officials are also responsible for filling in accompanying document and sampling report, informing the laboratory about arrival of samples, packaging of them and sending into laboratory. The method recommended by the Community Reference Laboratory for Salmonella in Bilthoven, the Netherlands, is used: the method is a modification of ISO 6579 (2002), where a semi solid medium (MSRV) is used as the single selective enrichment medium. The semi-solid medium should be incubated at 41.5 +/- 1 °C for 2x (24+/-3) hours. At least one isolate from each positive sample is typed in the National Reference Laboratory for Salmonella. The National Reference Laboratory for Salmonella follows the Kaufmann-White scheme. At least the strains isolated from samples collected by the competent authority, are stored for future phagetyping or antimicrobial susceptibility testing, using the normal methods for culture collection, which must ensure integrity of the strains for a minimum of two years.

(d)1.5 Official controls (including sampling schemes) at feed, flock and/or herd level.

(max. 32000 chars) :

At least two pairs of boot/sock swabs are taken 2-3 weeks before slaughter, in accordance with Commission Regulation (EC) No 200/2012/EC of 8 March 2012.

In the enterprises handling feedingstuffs the raw material and the final product are inspected bacteriologically under the framework of monitoring and self-inspection. From imported feedingstuffs the samples are taken in the course of random inspection during their storage.

(d)2. Food and business covered by the programme

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(d)2.1 The structure of the production of the given species and products thereof.

(max. 32000 chars) :

In Estonia broiler flocks are in Harju and Lääne-Viru county. There are 6 big farm complexes with total of 76 holdings. In 2012 504 flocks were raised there. Broilers are slaughtered in Estonia.

(d)2.2 Structure of the production of feed

(max. 32000 chars) :

In Estonia there are two types of feed producers:

- 1) feed producers who produce and market it. Those feed operators have self-control plan with HACCP. According to that the operator carries out analysis for Salmonella and other relevant indicators that affect the quality and safety of feed. Approved feed operators are inspected twice a year: one scheduled inspection and one audit.
- 2) feed producers who produce but don't market (farmers who produce for their own flocks). Those feed operators fulfill the requirements listed in Annex I and III of Regulation (EC) No 1831/2003 of the European Parliament and of the Council of 22 September 2003 laying down requirements for feed hygiene.

(d)2.3 Relevant guidelines for good animal husbandry practices or other guidelines (mandatory or voluntary) on biosecurity measures defining at least

(d)2.3.1 Hygiene management at farms

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(max. 32000 chars) :

Biosecurity measures are listed in Infectious Animal Disease Control Act § 7(1). According to that animal keeper must follow the next biosecurity measures:

- management of movements of persons and vehicles;
- take measures to prevent free entry by unauthorized persons into livestock buildings and constructions;
- persons arriving from foreign states are not permitted to enter livestock buildings or constructions within 48 hours after arrival in Estonia;
- new animals brought into herd must be kept separately from the herd/flock, based on their disease status;
- infected animal must be separated from healthy ones;
- management of handling of feed, beddings and other possible sources of infection and regular cleaning and disinfection of above mentioned materials;
- regular deratization and disinsection;
- measures to prevent wild and domestic animals entering livestock buildings, constructions and premises and other appropriate measures for preventing animal disease from spreading.

(d)2.3.2 Measures to prevent incoming infections carried by animals, feed, drinking water, people working at farms

(max. 32000 chars) :

Good farming practices and strict biosecurity measures are applied at the holdings. These measures are checked during the inspection.

The requirements for keeping Gallus gallus are established by Regulation No 59 of Ministry of Agriculture of 9 June 2003 „Requirements regarding keeping hens and their room or building“.

The general requirements for hygiene measures in the primary production are specified in annex of Regulation (EC) No 852/2004 of 29 April 2004 on the hygiene of foodstuffs and apply to broiler flocks.

(d)2.3.3 Hygiene in transporting animals to and from farms

(max. 32000 chars) :

All poultry shipments must have authorized and licensed carrier. Truck wheels must be disinfected before entering the poultry holding. If the vehicle is visibly contaminated with manure, it must be cleaned thoroughly and disinfected before entering the farm.

The drivers must be properly trained and informed so that they understand the importance of personal

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hygiene and the principles of cleaning procedures and disinfection. Ideally the driver must stay in the holding during the loading time and wear protective clothing provided by the farm. Relevant data sheets and other official documents must accompany the bird shipment to their destination.

(d)2.4 Routine veterinary supervision of farms

(max. 32000 chars) :

Supervision of farms is based on Veterinary Organisation Act. The authorized veterinarian inspects farms regularly to check compliance with programme and other requirements and during the inspection Farm Inspection Report is conducted.

(d)2.5 Registration of farms

(max. 32000 chars) :

All broiler holdings are covered by the State Programme on Monitoring and Surveillance of Animal Infectious Diseases and therefore also by the programme. All buildings or constructions with broilers must be registered in the Estonian Agricultural Register and Information Board.

(d)2.6 Record keeping at farm

(max. 32000 chars) :

The keeper of the broilers is required to keep an up-to-date register of poultry kept in the farm in manual or computerized form.

The animal keeper also must keep the records on:

-used medical products and medicated feedingstuffs (animal identification, name of the medical product/medicated feedingstuffs, data of veterinarian/apothecary who released medical products/ medicated feedingstuffs, date and the name of the administer, treatment scheme and the means of

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administration, withdrawal period);

- the nature and origin of feed fed to the animals;
- the results of any analyses carried out on samples taken from animals or other samples taken for diagnostic purposes, that have importance for human health;
- the occurrence of diseases that may affect the safety of products of animal origin;
- any relevant reports on checks carried out on animals or products of animal origin;
- dead birds;
- visitors;
- self-control plan (including the monitoring of Salmonella);
- technology and system of rearing.

(d)2.7 Documents to accompany animals when dispatched

(max. 32000 chars) :

While dispatched, animals must be accompanied with the food chain information. On the food chain information the information about vaccination, laboratory results (Salmonella), used medical products and diagnosed diseases are stated.

(d)2.8 Other relevant measures to ensure the traceability of animals

(max. 32000 chars) :

Estonia is linked to veterinary authorities of the EC and other Member States through TRACES. Estonia is also linked to ADNS since March 2002.

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ANNEX II - PART B

1. Identification of the programme

Disease Zoonotic Salmonella

Animal population : Broiler flocks of Gallus gallus

Request of Union co-financing
for the period :

From

2014

To

2014

1.1 Contact

Name : Ago Pärtel

Phone : +372 605 1710

Fax. : +372 621 1441

Email : ago.partel@vet.agri.ee

2. Historical data on the epidemiological evolution of the disease

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

(max. 32000 chars) :

The control programme includes broiler flocks of Gallus Gallus. In the year 2006 0,6% of breeding birds were detected to be positive for Salmonella.

In the frames of Baseline Study on the prevalence of Salmonella spp. (01.10.05 - 30.09.2006) 769 boot swabs were collected from 174 flocks. Positive results were found in 8 flocks reared in 4 holdings. S. enteritidis was isolated in two holdings (14 sock swabs).

In 2012 the number of flocks tested increased due to a new farm complex (In 2008 8,3 millions in 350 flocks; in 2009 9,3 millions in 414 flocks and in 2010 9,7 millions in 435 flocks and in 2011 452 flocks). All the above mentioned broilers and flocks were under the programme.

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3. Description of the submitted programme

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

(max. 32000 chars) :

The programme is in line with the requirements of Commission Regulation (EC) No 200/2012 of 8 March 12 concerning a Union target for the reduction of *Salmonella enteritidis* and *Salmonella typhimurium* in flocks of broilers, as provided for in Regulation (EC) No 2160/2003 of the European Parliament and of the Council.

The main objective is to carry out monitoring and surveillance. The monitoring and surveillance in the field of animal health is performed on the basis of the State Programme on Monitoring and Surveillance of Animal Infectious Diseases. This is an annual programme adopted by the Decree of Director General of Veterinary and Food Board on the basis of Infectious Animal Disease Control Act. The sampling frame covers all flocks of broilers covered by the scope of Regulation (EC) No 2160/2003. Flocks of broilers are sampled on the initiative of the food business operator and by the competent authority. In the frame of the programme the samples are also taken from feed.

When the salmonellosis is confirmed the broilers are either culled and carcasses are handled in accordance with with Regulation (EC) No 1069/2009 of the European Parliament and of the Council of 21 October 2009 laying down health rules as regards animal by-products and derived products not intended for human consumption and repealing Regulation (EC) No 1774/2002 (Animal by-products Regulation) or when clinical signs are not visible, the meat can be used after heat-treating.

The programme is implemented in Estonia which is considered to be one region.

Definition of the positive case:

- 1) when *S. enteritidis* or *S. typhimurium* are isolated
- 2) when the presence of *S. enteritidis* and *S. typhimurium* is not detected but antimicrobials are.

Vaccination of broilers is not a preventive measure in the frame of *Salmonella* control programme.

4. Measures of the submitted programme

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Measures taken by the competent authorities with regard to animals or products in which the presence of Salmonella spp. have been detected, in particular to protect public health, and any preventive measures taken, such as vaccination.

(max. 32000 chars) :

The usual time-span between the time as flock is declared as "suspected flock" and when mentioned flock is declared as "infected", depends on the time of tests carried out by laboratory (usually 24 to 48 hours). According to provisions of paragraph 3.1. of Annex of Commission Regulation (EC) No 646/2007/EC of 12 June 2007, the examination of the samples is carried out within 48h following receipt.

According to the Regulation of Minister of Agriculture No 46 from 29th of March 2007, when the presence of Salmonella spp. have been detected:

- the flock is placed under closer supervision;
- restrictions (movement), thorough cleaning and disinfection, epidemiological investigation (possible source of infection, the movement of feed, animals, manure, equipment etc, the health status of farm workers etc) and biosecurity measures are implemented;
- in the flock and there are no clinical signs, the broilers are sent to slaughter no later than at the end of growing period. Those birds are slaughtered separately and are processed in accordance with Regulation (EC) No 1069/2009 or the meat is marked, stored separately and processed with heat.
- in the broiler flock where clinical signs are visible the broilers are culled and carcasses are processed in accordance with Regulation (EC) No 1069/2009 of the European Parliament and of the Council of 21 October 2009 laying down health rules as regards animal by-products and derived products not intended for human consumption and repealing Regulation (EC) No 1774/2002 (Animal by-products Regulation).

All isolates are tested with AMR/BIH testing. Antimicrobials included in monitoring are ampicillin, gentamicin, ciprofloxacin, chloramphenicol, florfenicol, cefotaxim, sulfoamide, trimethoprim, nalidixic acid, streptomycin, kanamycin, tetracycline, colistin, ceftazidime. AMR is performed according to Commission Decision of 12 June 2007 on a harmonised monitoring of antimicrobial resistance in Salmonella in poultry and pigs (notified under document number C(2007) 2421).

4.1 Summary of measures under the programme

Period of implementation of the programme : 2014

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Measures

- Control
- Testing
- Slaughter of animals tested positive
- Killing of animals tested positive
- Vaccination
- Treatment of animal products
- Disposal of products
- Monitoring or surveillance

Other, please specify

NA

4.2 Designation of the central authority in charge of supervising and coordinating the departments responsible for implementing 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, functions as a supervising body and sees to that the requirements stipulated by the legislation that governs veterinary, food safety, market regulation, animal welfare and farm animal breeding are followed and 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 Veterinary and Food Board consists of the Central Office and 15 local offices - local veterinary centres in the counties. The main objective of the Central Office is to coordinate supervision while the local offices carry out supervision.

The Central Office consists of 5 departments, one of them is the Animal Health, Welfare and Feedingstuffs Department, which consists of Animal Health Office, Animal Welfare Office and Feedingstuffs Office. The Animal Health Office organizes infectious animal diseases control and applies measures for the protection of people from zoonoses; executes supervision over the identification and registration of animals and conducts veterinary controls over the movement of animals; controls the use of medicines and medicated feedingstuffs by veterinarians and animal keepers; arranges the work of the state veterinary service and coordinates and executes supervision over veterinary aid, treatment and prevention; grants approval to and organizes registration of buildings and facilities where animals are kept.

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There is an animal health specialist in every local veterinary centre, who is responsible for solving the problems of this field.

In addition to the employees at Central Office and local veterinary centres there are authorised veterinarians who have been granted the authority to check the state of the objects that are within the competence of VFB pursuant to the Veterinary Activities Organisation Act.

Samples are tested in Veterinary and Food Laboratory who sends out test results and notifications of positive results.

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

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

(max. 32000 chars) :

The programme will be implemented and applied in whole territory of Estonia. There are 15 counties, each of them has local veterinary centre which carries out surveillance in the administrative area concerned.
Please look at the map in attachment.

4.4 Measures implemented under the programme

Where appropriate Community legislation is mentioned. Otherwise the national legislation is mentioned.

4.4.1 Measures and applicable legislation as regards the registration of holdings

(max. 32000 chars) :

All broiler holdings in Estonia are covered by the State Programme on Monitoring and Surveillance of Animal Infectious Diseases and therefore also by the programme and are registered in Estonian Agricultural Register and Information Board (The Regulation of Minister of Agriculture No 88, §1, 18.12.2002).

4.4.2 Measures and applicable legislation as regards the identification of animals

Not applicable for poultry

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(max. 32000 chars):

NA

4.4.3 Measures and applicable legislation as regards the notification of the disease

(max. 32000 chars):

All positive Salmonella results must be reported immediately from the laboratories to the Estonian Veterinary and Food Board according to Regulation on requirements for control of Salmonella (The Regulation of the Minister of Agriculture No 46, 29.03.2007).

According to Infectious Animal Disease Control Act the information of the positive results must also be sent to Health Board and neighbouring veterinary centres and when the disease is diagnosed in humans the Health Board must send the notification to local veterinary centre of the county from where the disease was diagnosed.

4.4.4 Measures and applicable legislation as regards the 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, a procedure for the restocking with healthy animals of holdings which have been depopulated by slaughter

(max. 32000 chars):

The measures in the case of positive result are laid down in the Regulation of Minister of Agriculture No 46, 29.03.2007.

Positive animals are sent for slaughter with restrictions. The birds are slaughtered on separate day or at the end of the day. The meat is stored separately and is heat-treated. After the birds are slaughtered the rooms and inventory are cleaned and disinfected. When the positive animals have clinical signs the broilers are culled and carcasses are handled in accordance with Regulation (EC) No 1069/2009 of the European Parliament and of the Council of 21 October 2009 laying down health rules as regards animal by-products and derived products not intended for human consumption and repealing Regulation (EC) No 1774/2002 (Animal by-products Regulation).

There is no treatment of animal products, the destruction of all products which could transmit the disease is done in accordance with the Regulation (EC) No 1069/2009. If the meat come from Salmonella positive flock and clinical signs are not evolved the meat can be treated in a manner that guarantees the destruction of all Salmonella serotypes with public health significance in accordance with Community legislation on food hygiene.

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The manure must be moved as soon as possible and the holding, inventory and means of transport are cleaned, washed and disinfected thoroughly. After the disinfection the rooms are ventilated and surface samples are taken from surfaces and inventory for the evaluation of cleaning and disinfection procedures.

The holding is allowed to be repopulated when the above mentioned samples are negative.

4.4.5 Measures and applicable legislation as regards the different qualifications of animals and herds

(max. 32000 chars) :

Generally, all flocks are participating in the National Salmonella Control Programme on the same terms. Regulation of the Minister of Agriculture No 46, 29.03.2007.

4.4.6 Control procedures and in particular rules on the movement of animals liable to be affected or contaminated by a given disease and the regular inspection of the holdings or areas concerned

A short description of the control procedures and in particular rules on the movement of animals liable to be affected or contaminated by a given disease and the regular inspection of the holdings or areas is provided

(max. 32000 chars) :

While dispatched, animals must be accompanied with the food chain information, where the basis of their state of health should be verified, certifying that the certain contagious animal diseases transmissible by the relevant animal species has not been detected in the place of the animals origin. On the basis of the Rules on the contagious animal diseases, the trade of poultry and animal products and/or products of animal origin is possible only when the poultry originate from a herd that is officially free of salmonellosis.

When the flock is under the restrictions it is prohibited to take out birds, except to slaughterhouse. In that case the broilers must be accompanied with form 9T (approved by the Decree of Director General of Veterinary and Food Board No 99 from 7th July 2010) which is veterinary certificate for animals from herds/regions with restrictions ment for transport to slaughterhouse. The period of validity of a veterinary permission is 24 hours since issuing.

4.4.7 Measures and applicable legislation as regards the control (testing, vaccination, ...) of the disease

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National legislation relevant to the implementation of the programmes, including any national provisions concerning the activities set out in the programme.

(max. 32000 chars) :

Additional official sampling is carried out only if there is possibility that samples were not taken according to the instructions or possible contamination has been occurred. Additional sampling includes the same type of samples taken during the regular sampling, additional dust samples may be also taken.

4.4.8 Measures and applicable legislation as regards the compensation for owners of slaughtered and killed animals

Any financial assistance provided to food and feed businesses in the context of the programme.

(max. 32000 chars) :

At the moment there is no compensation procedure laid down in the national legislation.

4.4.9 Information and assessment on bio-security measures management and infrastructure in place in the flocks/holdings involved

(max. 32000 chars) :

Poultry keepers must have an approval from Veterinary and Food Board before they start production (The Regulation of Minister of Agriculture No 88 from 18.12.2002). That approval is based on an evaluation of the hygiene standard of the building and surroundings and protection against introduction of infectious diseases.

Good farming practises and strict bio-security measures are applied at the holdings. The drafts of Community guides to good practice for hygiene referred to in Article 9 of Regulation (EC) No 852/2004 of the European Parliament and of the Council of 29 April 2004 on the hygiene of foodstuffs, are partly applied to the relevant poultry population.

Bio-security measures management and infrastructure in place in the flocks/holdings are established in the Animal Diseases Prevention Act §7¹ (available on website <https://www.riigiteataja.ee/akt/13316646?leiaKehtiv>). An authorized veterinarian or official inspector of VFB use checklists during verification of biosecurity measures when the self-control programme is supervised. Monitoring checklist on the control of animal health and animal protection is approved by the degree of the Director General of Veterinary and Food Board No 2, 05.01.2010.

Regulation on requirements for control of Salmonella is approved by the degree of the Minister of Agriculture No 46, 29.03.2007.

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5. General description of the costs and benefits of the programme

A description is provided of all costs for the authorities and society and the benefits for farmers and society in general

(max. 32000 chars) :

To limit distribution of products contaminated with Salmonella present on the market and reduce the infection risk of consumers.

Control and eradication of microorganisms of Salmonella genus in the whole food chain (especially – at the primary production).

Keep under the control public and animal (poultry) health at the National and Community level.

Bacteriological testing of copro samples/boot swabs is 24.74 EUR per sample.

Serotyping is 72.71 EUR per sample.

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

Data already submitted via the online system for the years 2008 - 2011 :

yes

The data on the evolution of zoonotic salmonellosis are provided according to the tables where appropriate

6.1 Evolution of the zoonotic salmonellosis

6.1.1 Data on evolution of zoonotic salmonellosis for year : **2012**

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Region	Type of flock (d)	Total number of flocks (a)	Total number of animals	Total number of flocks under the programme	Total number of animals under the programme	Number of flocks checked (b)	Serotype	Number of positive flocks (c)	Number of flocks depopulated	Total number of animals slaughtered or destroyed	kg/number (eggs destroyed)	Quantity of eggs destroyed	kg/ number (eggs channelled to egg product)	Quantity of eggs channelled to egg product	
Estonia	Broiler flocks of C	504	10 363	504	10 363	504	salmonella enteritidis or	0	0	0	number	0	numbe	0	X
Total								0	0	0					
												ADD A NEW ROW			

(a) Including eligible and non eligible flocks for the programme

(b) Check means to perform a flock level test under the programme for the presence of salmonella. In this column a flock must not be counted twice even if it has been checked more than one.

(c) If a flock has been checked, in accordance with footnote (b), more than once, a positive sample must be taken into account only once.

(d) Flocks or herds or as appropriate

6.2 Stratified data on surveillance and laboratory tests

6.2.1 Stratified data on surveillance and laboratory tests for year :

2012

Region	Test Type	Test Description	Number of samples tested	Number of positive samples
--------	-----------	------------------	--------------------------	----------------------------

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Estonia	microbiological test	Boot swabs	1 233	0	X
Total			1 233	0	
			ADD A NEW ROW		

6.3 Data on infection for year : **2012**

Region	Number of herds infected	Number of animals infected	
Estonia	0	0	X
Total	0	0	
		Add a new row	

6.4 Data on vaccination or treatment programmes for year : **2012**

Region	Total number of herds	Total number of animals	Number of herds in vaccination or treatment programme	Number of herds vaccinated or treated	Number of animals vaccinated or treated	Number of doses of vaccine or treatment administered	
0	504	10 363 329	0	0	0	0	X
Total	504	10 363 329	0	0	0	0	

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					Add a new row	
--	--	--	--	--	----------------------	--

7. Targets

7.1 Targets related to testing

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7.1.1 Targets on diagnostic tests for year :

2014

In case of multiannual programme, please provide an estimation on annual basis.
If your targets differ between different implementation years please provide separate tables per year in attachment.

Region	Type of the test (description)	Target population (categories and species targeted)	Type of sample	Objective	Number of planned tests	
Estonia	BACTERIOLOGICAL DETECTION TEST IN FRAME	Broiler flocks of Gallus gallus	Boot swabs	surveillance	322	X
Total					322	
Total AMR/BIH tests					0	
Total BACTERIOLOGICAL DETECTION TEST IN FRAME OF OFFICIAL SAMPLING					322	
Total SEROTYPING IN THE FRAME OF OFFICIAL SAMPLING					0	
Add a new row						

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7.1.2 Targets on testing of flocks for year :

2014

In case of multiannual programme, please provide an estimation on annual basis.
If your targets differ between different implementation years please provide separate tables per year in attachment.

Region	Type of flock (d)	Total number of flocks (a)	Total number of animals	Total number of flocks/ herds under the programme	Total number of animals under the programme	Number of flocks checked (b)	Serotype	Number of positive flocks (c)	Number of flocks depopulated	Total number of animals slaughtered or destroyed	Quantity of eggs destroyed (number)	Quantity of eggs channelled to egg product (number)	
Estonia	Broiler flocks of	500	10 000 000	500	10 000 000	166	salmonella enteritidis	0	0	0	0	0	X
Total		500	10 000 000	500	10 000 000	166		0	0	0	0	0	
										Add a new row			

(a) Including eligible and non eligible flocks for the programme

(b) Check means to perform a flock level test under the programme for the presence of salmonella. In this column a flock must not be counted twice even if it has been checked more than one.

(c) If a flock has been checked, in accordance with footnote (b), more than once, a positive sample must be taken into account only once.

(d) Flocks or herds or as appropriate

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7.2 Targets on vaccination or treatment

7.2.1 Targets on vaccination or treatment for year :

2014

In case of multiannual programme, please provide an estimation on annual basis.
If your targets differ between different implementation years please provide separate tables per year in attachment.

NUTS Region	Total number of herds in vaccination or treatment programme	Total number of animals in vaccination or treatment programme	Targets on vaccination or treatment programme				
			Number of herds or flocks in vaccination or treatment programme	Number of herds or flocks 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	
Estonia	0	0	0	0	0	0	X
Total	0	0	0	0	0	0	
					Add a new row		

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

2014

In case of multiannual programme, please provide an estimation on annual basis.

If your cost estimations differ between different implementation years please provide separate tables per year in attachment.

1. Testing						
Cost related to	Specification	Number of tests	Unitary cost in EUR	Total amount in EUR	Union funding requested	
Cost of analysis	BACTERIOLOGICAL DETECTION TEST IN FRAME C	322	24.74	7966.28	yes	X
				Add a new row		
2. Vaccination (if you ask cofinancing for purchase of vaccins, you should also fill in 6.4 and 7.2)						
Cost related to	Specification	Number of vaccine dosis	Unitary cost in EUR	Total amount in EUR	Union funding requested	
Vaccination	Purchase of vaccine doses	0	0	0	no	X
				Add a new row		
3. Slaughter and destruction (without any salaries)						
Cost related to	Specification	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested	
Slaughter and destruction	Compensation of animals	0	0	0	no	X
				Add a new row		
4. Cleaning and disinfection						
Cost related to	Specification	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested	

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						Add a new row	
5. Salaries (staff contracted for the programme only)							
Cost related to	Specification	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested		
						Add a new row	
6. Consumables and specific equipment							
Cost related to	Specification	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested		
						Add a new row	
7. Other costs							
Cost related to	Specification	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested		
						Add a new row	
8. Cost of official sampling							
Cost related to	Specification	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested		
Cost of official sampling	Cost of official sampling	322	0.5	161	yes		X
						Add a new row	
Total		644		8127.28			

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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](#), [doc](#), [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!

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PROGRAMME for ERADICATION : **ANNEX II - PART A + B**

Member States seeking a financial contribution from the Community for national programmes for the control and monitoring of salmonellosis (zoonotic salmonella), shall submit applications containing at least the information set out in this form.

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.

If encountering difficulties, please contact SANCO-BO@ec.europa.eu

Instructions to complete the form:

1) In order to fill in and submit this form you must have **at least** the ADOBE version

Acrobat Reader 8.1.3

(example : 8.1.3, 8.1.4, 8.1.7, 9.1, 9.2,...), otherwise you will not be able to use the form.

Your version of Acrobat Reader is: **10.104**

2) Please provide as much information as possible. If you have no data for some fields then put the text "NA" (Not applicable) in this field or 0 if it is a numeric field. If you need clarifications on some of the information requested, then please contact SANCO-BO@ec.europa.eu.

3) To verify your data entry while filling your form, you can use the "verify form" button at the top of each page. If the form is not properly and completely filled in, an alert box will appear indicating the number of incorrect fields. Please use the "verify form" button until all fields are correctly filled in. **It is mandatory to fill in the box about Animal populations to make the rest of the questions visible.** If you still have any difficulties, please contact SANCO-BO@ec.europa.eu.

4) When you have finished filling the form, verify that your internet connection is active and then click on the "submit notification" button below. If the form is properly filled in, the notification will be submitted to the server and a submission number + submission date will appear in the corresponding field.

5) **IMPORTANT: Regularly save the pdf when you fill it out. After you have received the Submission number, DO NOT FORGET TO SAVE THE PDF ON YOUR COMPUTER FOR YOUR RECORDS!**

Tuesday, April 30, 2013 13:41:58

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ANNEX II - PART A

General requirements for the national salmonella control programmes

Member state : EESTI

(a) State the aim of the programme

(max. 32000 chars) :

The main objectives of the control programme are:

- 1) to achieve maximum one positive flock according to the Commission Regulation (EC) No 517/2011 of 25 May 2011 implementing Regulation (EC) No 2160/2003 of the European Parliament and of the Council as regards a Union target for the reduction of the prevalence of certain Salmonella serotypes in laying hens of Gallus Gallus and amending Regulation (EC) No 2160/2003 and Commission Regulation (EU) No 200/2010. Monophasic Salmonella Typhimurium is also included in the target;
- 2) to ensure that adequate and effective measures for monitoring and control of zoonotic Salmonella infections are taken in the flocks.

(b) Animal population and phases of production which sampling must cover

Demonstrate the evidence that it complies with the minimum sampling requirements laid down in part B of Annex II to Regulation (EC) No 2160/2003 of the European Parliament and of the Council OJ L 325, 12.12.2003, p. 1. indicating the relevant animal population and phases of production which sampling must cover

It is mandatory to fill in the box about Animal populations to make the rest of the questions visible.

Animal population Laying flocks of Gallus gallus

rearing flocks

- day-old chicks
- pullets two weeks before moving to laying phase or unit

laying flocks

- every 15 weeks during the laying phase

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(c) Specific requirements

Demonstrate the evidence that it complies with the specific requirements laid down in Parts C, D and E of Annex II to Regulation (EC) No 2160/2003

(max. 32000 chars) :

The programme complies with the specific requirements laid down in Part D of Annex 2 to Regulation (EC) No 2160/2003.

(d) Specification of the following points :

(d)1. General

(d)1.1 A short summary referring to the occurrence of Salmonellosis (Zoonotic Salmonella)

A short summary referring to the occurrence of the salmonellosis [zoonotic salmonella] in the Member State with specific reference to the results obtained in the framework of monitoring in accordance with Article 4 of Directive 2003/99/EC of the European Parliament and of the Council OJ L 325, 12.12.2003, p. 31., particularly highlighting the prevalence values of the salmonella serovars targeted in the salmonella control programmes.

(max. 32000 chars) :

The submitted programme on Salmonella reduction in flocks of laying hens of Gallus gallus has been developed according to the Commission Regulation (EC) No 1168/2006 of 31 July 2006 implementing regulation (EC) No 2160/2003 as regards a Community target for the prevalence of certain salmonella serotypes and amending Regulation (EC) No 1003/2005.

The results of the baseline study on the prevalence of salmonella in flocks of laying hens of Gallus gallus carried out in Estonia in 01.10.2004-30.09.2005 showed the prevalence of S. enteritidis 8% and prevalence of S. typhimurium 0%.

In 01.01-31.12.2008 S. enteritidis prevalence was 1,9% and prevalence of S. typhimurium 0 %.

In 01.01-31.12.2009 S. enteritidis and S. typhimurium prevalence was 0 %.

In 01.01-31.12.2010 the prevalence of S. enteritidis and S. typhimurium was 0%.

In 01.01-31.12.2011 the prevalence of S. enteritidis was 8.5% and prevalence of S. typhimurium was 0%.

All positive results were from smaller free range poultry farms with free access to outside yards.

In 01.01-31.12.2012 the the prevalence of S. enteritidis and S. typhimurium was 0%.

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(d)1.2 The structure and organization of the relevant competent authorities.

Please refer to the information flow between bodies involved in the implementation of the programme.

(max. 32000 chars) :

Veterinary and Food Board of Estonia functions as a supervising body and sees to that the requirements stipulated by the legislation that governs veterinary, food safety, market regulation, animal welfare and farm animal breeding are followed and executes supervision over fulfilment of these requirements and applies enforcement by state pursuant to the procedures and in the amount prescribed by law. The Animal Health Office of Veterinary and Food Board organizes and carries out infectious animal disease control and applies measures for protecting humans against zoonotic diseases; it also carries out supervision over the registration and identification of animals and the veterinary control of the domestic movement of animals; it protects the environment against hazards concurring with animal husbandry and infectious animal diseases; it controls the use of medicines and medicated feedingstuffs by veterinarians and animal keepers who are involved in the production of products of animal origin; it organizes the work of the national veterinary service and coordinates and carries out supervision over veterinary assistance, treatment and prophylactics of animals; it is involved in the approval and registration of livestock buildings and facilities, advises in the preparation of construction projects; and it participates in the preparation and carrying out of national or international projects for animal health. Veterinary and Food Board consists of the Central Office and 15 local veterinary centres in the counties. The main objective of the Central Office is to coordinate supervision while the local veterinary centres carry out supervision.

In the event of the requirement for the prevention of an infectious animal disease, or a suspicion that one might be present, or in the event of an actual outbreak, close cooperation is required with the appropriate Veterinary and Food Laboratory, which carries out the necessary laboratory examinations.

(d)1.3 Approved laboratories where samples collected within the programme are analysed.

(max. 32000 chars) :

All samples collected within the programme are analyzed in Veterinary and Food Laboratory. The Central Veterinary and Food Laboratory is situated in Tartu. In addition, three smaller laboratories in Tallinn, Rakvere and Saaremaa are part of the Veterinary and Food Laboratory. All these laboratories are separately accredited according to the EVS- EN ISO/IEC 17 025.

For further serotyping and phagetyping, a proportion of the typable strains and of the non-typable isolates are sent to the CRL Microbiological Laboratory for Health Protection in Bilthoven The Netherlands. CRL has confirmed our results so far. For epidemiological purposes, we also test anti-microbial susceptibility of serotypes found in our flocks. The isolates originate from samples that routinely come to the lab, e.g control programmes, clinical investigations. Resistance testing performed

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according to ISO 20776-1:2006.

Antimicrobials included in monitoring are ampicillin, gentamicin, kanamycin, ciprofloxacin, chloramphenicol, cefotaxim, sulfonamide, trimethoprim, nalidixic acid, streptomycin, tetracycline. Interpretive breakpoints were based on NCCLS criteria.

(d)1.4 *Methods used in the examination of the samples in the framework of the programme.*

(max. 32000 chars) :

Sampling procedures are performed by state operated veterinary service. Activities are co-ordinated by Veterinary and Food Board. Samples are collected by official veterinarians. Above mentioned officials were also responsible for filling in accompanying document and sampling report, informing the laboratory about arrival of samples, packaging of them and sending into laboratory.

The method recommended by the Community Reference Laboratory for Salmonella in Bilthoven, the Netherlands, is used: the method is a modification of ISO 6579 (2002), where a semi solid medium (MSRV) is used as the single selective enrichment medium. The semi-solid medium should be incubated at 41.5 +/- 1 °C for 2x (24+/-3) hours. At least one isolate from each positive sample is typed in the National Reference Laboratory for Salmonella. The National Reference Laboratory for Salmonella follows the Kaufmann-White scheme. At least the strains isolated from samples collected by the competent authority, are stored for future phagetyping or antimicrobial susceptibility testing, using the normal methods for culture collection, which must ensure integrity of the strains for a minimum of two years.

(d)1.5 *Official controls (including sampling schemes) at feed, flock and/or herd level.*

(max. 32000 chars) :

Official control (sampling) is done at flock level. From laying hens the first samples are taken at the week 22-26 and second one within 8 weeks before slaughtering.

From pullets the first samples are taken at the age of 4 weeks and the second one two weeks before moving into laying unit.

Day-old chicks - weak and dead chicks, dust and litter are sampled.

In the enterprises handling feedstuffs the raw material and the final product are inspected bacteriologically under the framework of monitoring and self-inspection. From imported feedingstuffs the samples are taken in the course of random inspection during their storage.

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(d)2. Food and business covered by the programme

(d)2.1 The structure of the production of the given species and products thereof.

(max. 32000 chars) :

In Estonia there are 7 big holdings (10000 or more laying hens present) and over 10 holdings with more than 50 laying hens. The sampling was conducted in holdings with at least 50 laying hens. Total number of flocks covered in 2012 in surveillance programme was 38.

(d)2.2 Structure of the production of feed

(max. 32000 chars) :

In Estonia there are two types of feed producers:

- 1) feed producers who produce and market it. Those feed operators have self-control plan with HACCP. According to that the operator carries out analysis for Salmonella and other relevant indicators that affect the quality and safety of feed. Approved feed operators are inspected twice a year: one scheduled inspection and one audit.
- 2) feed producers who produce but don't market (farmers for own flocks). Those feed operators fulfill the requirements listed in Annex I and III of Regulation (EC) No 1831/2003 of the European Parliament and of the Council of 22 September 2003 laying down requirements for feed hygiene.

(d)2.3 Relevant guidelines for good animal husbandry practices or other guidelines (mandatory or voluntary) on biosecurity measures defining at least

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(d)2.3.1 Hygiene management at farms

(max. 32000 chars) :

Biosecurity measures are listed in Infectious Animal Disease Control Act § 71. According to that animal keeper must follow the next biosecurity measures:

- management of movements of persons and vehicles;
- take measures to prevent free entry by unauthorized persons into livestock buildings and constructions;
- persons arriving from foreign states are not permitted to enter livestock buildings or constructions within 48 hours after arrival in Estonia;
- new animals brought into herd must be kept separately from the herd/flock, based on their disease status;
- infected animal must be separated from healthy ones;
- management of handling of feed, beddings and other possible sources of infection and regular cleaning and disinfection of above mentioned materials;
- regular deratization and disinsection;
- measures to prevent wild and domestic animals entering livestock buildings, constructions and premises and other appropriate measures for preventing animal disease from spreading.

(d)2.3.2 Measures to prevent incoming infections carried by animals, feed, drinking water, people working at farms

(max. 32000 chars) :

Good farming practices and strict biosecurity measures are applied at the holdings. These measures are checked at least once a year during the farm inspection.

The requirements for keeping *Gallus gallus* are established by Regulation No 59 of Ministry of Agriculture of 9 June 2003 „Requirements regarding keeping hens and their room or building“.

The general requirements for hygiene measures in the primary production are specified in annex of Regulation (EC) No 852/2004 of 29 April 2004 on the hygiene of foodstuffs and apply to flocks.

(d)2.3.3 Hygiene in transporting animals to and from farms

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(max. 32000 chars) :

All poultry shipments must have authorized and licensed carrier. Truck wheels must be disinfected before entering the poultry holding. If the vehicle is visibly contaminated with manure, it must be cleaned thoroughly and disinfected before entering the farm.

The drivers must be properly trained and informed so that they understand the importance of personal hygiene and the principles of cleaning procedures and disinfection. Ideally the driver must stay in the holding during the loading time and wear protective clothing provided by the farm.

relevant data sheets and other official documents must accompany the bird shipment to their destination.

(d)2.4 Routine veterinary supervision of farms

(max. 32000 chars) :

Supervision of farms is based on Veterinary Organisation Act. The authorized veterinarian inspects holdings regularly to check compliance with programme and with other requirements, the Farm Inspection Report is conducted.

(d)2.5 Registration of farms

(max. 32000 chars) :

All poultry holdings are covered by the State Programme on Monitoring and Surveillance of Animal Infectious Diseases and therefore also by the programme. All buildings or constructions with broilers are registered in the Estonian Agricultural Register and Information Board.

(d)2.6 Record keeping at farm

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(max. 32000 chars) :

The keeper of the hens is required to keep an up-to-date register of poultry kept in the farm in manual or computerized form.

The animal keeper also must keep the records on:

- used medical products and medicated feedingstuffs (animal identification, name of the medical product/medicated feedingstuffs, data of veterinarian/apothecary who released medical products/medicated feedingstuffs, date and the name of the administer, treatment scheme and the means of administration, withdrawal period);
- the nature and origin of feed fed to the animals;
- the results of any analyses carried out on samples taken from animals or other samples taken for diagnostic purposes, that have importance for human health;
- the occurrence of diseases that may affect the safety of products of animal origin;
- any relevant reports on checks carried out on animals or products of animal origin;
- dead birds;
- visitors;
- self-control plan (including the monitoring of Salmonella);
- technology and system of rearing.

(d)2.7 Documents to accompany animals when dispatched

(max. 32000 chars) :

While dispatched, animals must be accompanied with the food chain information, where the basis of their state of health should be verified, certifying that the certain contagious animal diseases transmissible by the relevant animal species has not been detected in the place of the animals origin. On the basis of the Rules on the contagious animal diseases, the trade of poultry and animal products and/or products of animal origin is be possible only when the poultry originate from a herd that is officially free of salmonellosis. Movements of the sick and injured animals to the slaughterhouse is carried out on the basis of a veterinary permission only. The period of validity of a veterinary permission is 24 hours since issuing.

(d)2.8 Other relevant measures to ensure the traceability of animals

(max. 32000 chars) :

Estonia is linked to veterinary authorities of the EC and other Member States through TRACES. Estonia is also linked to ADNS since March 2002.

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ANNEX II - PART B

1. Identification of the programme

Disease Zoonotic Salmonella

Animal population : Laying flocks of Gallus gallus

Request of Union co-financing
for the period :

From

2014

To

2014

1.1 Contact

Name : Ago Pärtel

Phone : +372 605 1710

Fax. : +372 621 1441

Email : ago.partel@vet.agri.ee

2. Historical data on the epidemiological evolution of the disease

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

(max. 32000 chars) :

he baseline study was carried out in 01.10.2004 - 30.09.2005. Positive results were found from 2 flocks out of 35 flocks reared in 11 holdings. Salmonella enteritidis was detected in dusty material and naturally mixed faeces samples in Lääne-Virumaa county. Salmonella Isangi was detected in dusty material in another holding situated in the same county. All other samples were negative. In 2006 60 flocks were analyzed. One flock turned out to be positive for Salmonella enteritidis. In 2007 and 2008 1 flock turned out to be positive for Salmonella enteritidis. In 2009 and in 2010 the prevalence of S. enteritidis and S. typhimurium was 0%. In 01.01-31.12.2011 the prevalence of S. enteritidis was 8.5% and prevalence of S. typhimurium was 0%. All positive results were from smaller free range poultry farms with free access to outside yards. In 2012 the prevalence of S. enteritidis and S. typhimurium was 0%.

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3. Description of the submitted programme

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

(max. 32000 chars) :

The programme is in line with the requirements of Commission Regulation (EC) No 517/2011 of 25 May 2011 implementing Regulation (EC) No 2160/2003 of the European Parliament and of the Council as regards a Union target for the reduction of the prevalence of certain Salmonella serotypes in laying hens of Gallus Gallus and amending Regulation (EC) No 2160/2003 and Commission Regulation (EU) No 200/2010.

The main objective is to carry out monitoring and surveillance. The monitoring and surveillance in the field of animal health is performed on the basis of the State Programme on Monitoring and Surveillance of Animal Infectious Diseases. This is an annual programme adopted by the Decree of Director General of Veterinary and Food Board on the basis of Infectious Animal Disease Control Act. The sampling frame covers all flocks of laying hens covered by the scope of Regulation (EC) No 2160/2003. In the frame of the programme the samples are also taken from feed.

Sampling at the initiative of the operator is usually done by veterinarian serving the operator at general bases. In some cases samples are taken by food business operator who has been instructed about sampling.

When the Salmonella has been diagnosed the flock is culled and the eggs are destroyed or processed in accordance with relevant EU legislation of food hygiene (depending whether the clinical signs are visible or not).

The programme is implemented in Estonia which is considered to be one region.

Definition of the positive case:

- 1) when *S. enteritidis* or *S. typhimurium* are isolated
- 2) when the presence of *S. enteritidis* and *S. typhimurium* is not detected but antimicrobials are

Vaccination is not carried out in laying hens.

4. Measures of the submitted programme

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Measures taken by the competent authorities with regard to animals or products in which the presence of Salmonella spp. have been detected, in particular to protect public health, and any preventive measures taken, such as vaccination.

(max. 32000 chars) :

All flocks of birds (young birds, laying flock), where *S. typhimurium* or *S. enteritidis* has been diagnosed shall be sent immediately for slaughter pursuant to the requirements of Minister of Agriculture No 46, 29.03.2007.a.

The usual time-span between the time as flock is declared as "suspected flock" and when mentioned flock is declared as "infected", depends on the time of tests carried out by laboratory (usually 24 to 48 hours). According to CR No 646/2007/EC paragraph 3. 1., the examination of the samples is carried out within 48h following receipt.

Epidemiological investigation (possible source of infection, the movement of feed, animals, manure, equipment etc, the health status of farm workers etc) and biosecurity measures are implemented.

Vaccination with live Salmonella strains is not allowed according to the national legislation (Regulation on Prevention against Salmonella is approved by the degree of the Minister of Agriculture No 46, 29.03.2007). Vaccination of layers hens flocks with inactivated Salmonella strains is allowed only with the permission of the Veterinary and Food Board based on epidemiological situation.

Antibiotics is not used as a specific method to control Salmonella except under clearly defined exceptional circumstances as laid down in Commission Regulation (EC) No 1177/2006 of 1 August 2006 implementing Regulation (EC) No 2160/2003 of the European Parliament and of the Council as regards requirements for the use of specific control methods in the framework of national programmes for the control of Salmonella in poultry. If antimicrobials are used for other purposes, sampling for Salmonella occur only after the withdrawal period.

Eggs originating from flocks with unknown health status, that are suspected of being infected or from infected flocks may be used for human consumption only if treated in a manner that guarantees the elimination of all salmonella serotypes with public health significance in accordance with Community legislation on food hygiene.

All isolates are tested with AMR/BIH testing. Antimicrobials included in monitoring are ampicillin, gentamicin, ciprofloxacin, chloramphenicol, florfenicol, cefotaxim, sulfoamide, trimethoprim, nalidixic acid, streptomycin, kanamycin, tetracycline, colistin, ceftazidime. AMR is performed according to Commission Decision of 12 June 2007 on a harmonised monitoring of antimicrobial resistance in Salmonella in poultry and pigs (notified under document number C(2007) 2421).

4.1 Summary of measures under the programme

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Period of implementation of the programme : 2014

Measures

- Control
- Testing
- Slaughter of animals tested positive
- Killing of animals tested positive
- Vaccination
- Treatment of animal products
- Disposal of products
- Monitoring or surveillance

Other, please specify

NA

4.2 Designation of the central authority in charge of supervising and coordinating the departments responsible for implementing 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, functions as a supervising body and sees to that the requirements stipulated by the legislation that governs veterinary, food safety, market regulation, animal welfare and farm animal breeding are followed and 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 Veterinary and Food Board consists of the Central Office and 15 local offices - local veterinary centres in the counties. The main objective of the Central Office is to coordinate supervision while the local offices carry out supervision.

The Central Office consists of 5 departments, one of them is the Animal Health, Welfare and Feedingstuffs Department, which consists of Animal Health Office, Animal Welfare Office and Feedingstuffs Office. The Animal Health Office organizes infectious animal diseases control and applies measures for the protection of people from zoonoses; executes supervision over the identification and registration of animals and conducts veterinary controls over the movement of animals; controls the use of medicines and medicated feedingstuffs by veterinarians and animal keepers; arranges the work of the

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state veterinary service and coordinates and executes supervision over veterinary aid, treatment and prevention; grants approval to and organizes registration of buildings and facilities where animals are kept.

There is an animal health specialist in every local veterinary centre, who is responsible for solving the problems of this field.

In addition to the employees at Central Office and local veterinary centres there are authorised veterinarians who have been granted the authority to check the state of the objects that are within the competence of VFB pursuant to the Veterinary Activities Organisation Act.

Samples are tested in Veterinary and Food Laboratory who sends out test results and notifications of positive results.

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

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

(max. 32000 chars) :

The programme will be implemented and applied in whole territory of Estonia. There are 15 counties, each of them has local veterinary centre which carries out surveillance in the administrative area concerned.

Map of the Estonia is attached.

4.4 Measures implemented under the programme

Where appropriate Community legislation is mentioned. Otherwise the national legislation is mentioned.

4.4.1 Measures and applicable legislation as regards the registration of holdings

(max. 32000 chars) :

All holdings of laying hens in Estonia are covered by the State Programme on Monitoring and Surveillance of Animal Infectious Diseases and therefore also by the programme and are registered in Estonian Agricultural Register and Information Board (The Regulation of Minister of Agriculture No 88, §1, 18.12.2002).

4.4.2 Measures and applicable legislation as regards the identification of animals

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Not applicable for poultry

(max. 32000 chars) :

NA

4.4.3 Measures and applicable legislation as regards the notification of the disease

(max. 32000 chars) :

All positive Salmonella results must be reported immediately from the laboratories to the Estonian Veterinary and Food Board according to Regulation on requirements for control of Salmonella (The Regulation of the Minister of Agriculture No 46, 29.03.2007).

According to Infectious Animal Disease Control Act the information of the positive results must also be sent to Health Board and neighbouring veterinary centres and when the disease is diagnosed in humans the Health Board must send the notification to local veterinary centre of the county from where the disease was diagnosed.

4.4.4 Measures and applicable legislation as regards the 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, a procedure for the restocking with healthy animals of holdings which have been depopulated by slaughter

(max. 32000 chars) :

There is no treatment of animal products, the destruction of all products which could transmit the disease is done in accordance with the Regulation (EC) No 1069/2009. If eggs come from Salmonella positive flock and clinical signs are not evolved the eggs can be treated in a manner that guarantees the destruction of all Salmonella serotypes with public health significance in accordance with Community legislation on food hygiene.

The manure must be moved as soon as possible and the holding, inventory and means of transport are cleaned, washed and disinfected thoroughly. After the disinfection the rooms are ventilated and surface samples are taken from surfaces and inventory for the evaluation of cleaning and disinfection procedures.

The holding is allowed to be repopulated when the above mentioned samples are negative.

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4.4.5 Measures and applicable legislation as regards the different qualifications of animals and herds

(max. 32000 chars) :

Generally, all flocks are participating in the National Salmonella Control Programme on the same terms. Regulation of the Minister of Agriculture No 46, 29.03.2007.

4.4.6 Control procedures and in particular rules on the movement of animals liable to be affected or contaminated by a given disease and the regular inspection of the holdings or areas concerned

A short description of the control procedures and in particular rules on the movement of animals liable to be affected or contaminated by a given disease and the regular inspection of the holdings or areas is provided

(max. 32000 chars) :

While dispatched, animals must be accompanied with the food chain information, where the basis of their state of health should be verified, certifying that the certain contagious animal diseases transmissible by the relevant animal species has not been detected in the place of the animals origin. On the basis of the Rules on the contagious animal diseases, the trade of poultry and animal products and/or products of animal origin is possible only when the poultry originate from a herd that is officially free of salmonellosis.

When the flock is under the restrictions it is prohibited to take out birds, except to slaughterhouse. In that case the broilers must be accompanied with form 9T (approved by the Decree of Director General of Veterinary and Food Board No 99 from 7th July 2010) which is veterinary certificate for animals from herds/regions with restrictions ment for transport to slaughterhouse. The period of validity of a veterinary permission is 24 hours since issuing.

4.4.7 Measures and applicable legislation as regards the control (testing, vaccination, ...) of the disease

National legislation relevant to the implementation of the programmes, including any national provisions concerning the activities set out in the programme.

(max. 32000 chars) :

The measures as regards the control are laid down in Regulation of the Minister of Agriculture No 46 from 29.03.2007.

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Additional official sampling is carried out only if there is possibility that samples were not taken according to the instructions or possible contamination has been occurred. Additional sampling includes the same type of samples taken during the regular sampling, additional dust samples may be also taken. Sampling is carried out in line with point 4, Part D of Annex II of Regulation (EC) No 2160/2003.

Official sampling is carried out by authorized veterinarian or by animal health inspector from county veterinary center. Samples taken in the frames of self-control are usually taken by licensed veterinarian or in some cases a person nominated by FBO itself, the person must have a special training about proper sampling. If additional samples are taken then those will be taken by animal health inspector from county veterinary center or authorized veterinarian.

If additional official sampling is carried out, the restrictions are placed on the flock/eggs/equipment right after the results of first initial sampling.

Vaccination is not used among laying hens. In 2010 vaccination was used in breeding flocks in two holdings.

Laying hens are not vaccinated in Estonia.

4.4.8 Measures and applicable legislation as regards the compensation for owners of slaughtered and killed animals

Any financial assistance provided to food and feed businesses in the context of the programme.

(max. 32000 chars) :

At the moment there is no any compensation procedure laid down in the national legislation for the owners of laying hens in the case of compensation for slaughtered hens.

4.4.9 Information and assessment on bio-security measures management and infrastructure in place in the flocks/holdings involved

(max. 32000 chars) :

Poultry keepers must have an approval from Veterinary and Food Board before they start production (The Regulation of Minister of Agriculture No 88 from 18.12.2002). That approval is based on an evaluation of the hygiene standard of the building and surroundings and protection against introduction of infectious diseases.

Good farming practises and strict bio-security measures are applied at the holdings. The drafts of Community guides to good practice for hygiene referred to in Article 9 of Regulation (EC) No 852/2004 of the European Parliament and of the Council of 29 April 2004 on the hygiene of foodstuffs, are partly applied to the relevant poultry population.

Bio-security measures management and infrastructure in place in the flocks/holdings are established in the Animal Diseases Prevention Act §7¹ (available on website <https://www.riigiteataja.ee/ert/act.jsp?id=13316646>). An authorized veterinarian or official inspector of VFB use checklists during verification of biosecurity measures when the self-control programme is supervised. Monitoring checklist on the control of animal health and animal protection is approved by the degree of the Director General of Veterinary and Food Board No 2, 05.01.2010.

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Regulation on requirements for control of Salmonella is approved by the degree of the Minister of Agriculture No 46, 29.03.2007.

5. General description of the costs and benefits of the programme

A description is provided of all costs for the authorities and society and the benefits for farmers and society in general

(max. 32000 chars) :

To limit distribution of products contaminated with Salmonella present on the market and reduce the infection risk of consumers.

Control and eradication of microorganisms of Salmonella genus in the whole food chain (especially – at the primary production).

Keep under the control public and animal (poultry) health at the National and Community level.

Bacteriological testing of copro samples/boot swabs is 24.74 EUR per sample.

Serotyping is 72.71 EUR per sample.

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

Data already submitted via the online system for the years 2008 - 2011 :

yes

The data on the evolution of zoonotic salmonellosis are provided according to the tables where appropriate

6.1 Evolution of the zoonotic salmonellosis

6.1.1 Data on evolution of zoonotic salmonellosis for year : **2012**

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Region	Type of flock (d)	Total number of flocks (a)	Total number of animals	Total number of flocks under the programme	Total number of animals under the programme	Number of flocks checked (b)	Serotype	Number of positive flocks (c)	Number of flocks depopulated	Total number of animals slaughtered or destroyed	kg/number (eggs destroyed)	Quantity of eggs destroyed	kg/ number (eggs channelled to egg product)	Quantity of eggs channelled to egg product	
Estonia	Laying flocks of C	38	530 541	38	530 540	38	salmonella enteritidis or	0	0	0	number	0	numbe	0	X
Total								0	0	0					
												ADD A NEW ROW			

(a) Including eligible and non eligible flocks for the programme

(b) Check means to perform a flock level test under the programme for the presence of salmonella. In this column a flock must not be counted twice even if it has been checked more than one.

(c) If a flock has been checked, in accordance with footnote (b), more than once, a positive sample must be taken into account only once.

(d) Flocks or herds or as appropriate

6.2 Stratified data on surveillance and laboratory tests

6.2.1 Stratified data on surveillance and laboratory tests for year :

2012

Region	Test Type	Test Description	Number of samples tested	Number of positive samples
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Estonia	microbiological test	Faecal samples	130	0	X
Total			130	0	
			ADD A NEW ROW		

6.3 Data on infection for year : **2012**

Region	Number of herds infected	Number of animals infected	
Estonia	0	0	X
Total	0	0	
		Add a new row	

6.4 Data on vaccination or treatment programmes for year : **2012**

Region	Total number of herds	Total number of animals	Number of herds in vaccination or treatment programme	Number of herds vaccinated or treated	Number of animals vaccinated or treated	Number of doses of vaccine or treatment administered	
Estonia	38	530 540	0	0	0	0	X
Total	38	530 540	0	0	0	0	

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					Add a new row	
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7. Targets

7.1 Targets related to testing

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

In case of multiannual programme, please provide an estimation on annual basis.
If your targets differ between different implementation years please provide separate tables per year in attachment.

Region	Type of the test (description)	Target population (categories and species targeted)	Type of sample	Objective	Number of planned tests	
Estonia	BACTERIOLOGICAL DETECTION TEST IN FRAME	Laying flocks of Gallus gallus	Faeces	surveillance	120	X
Total					120	
Total AMR/BIH tests					0	
Total BACTERIOLOGICAL DETECTION TEST IN FRAME OF OFFICIAL SAMPLING					120	
Total SEROTYPING IN THE FRAME OF OFFICIAL SAMPLING					0	
Add a new row						

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7.1.2 Targets on testing of flocks for year :

2014

In case of multiannual programme, please provide an estimation on annual basis.
If your targets differ between different implementation years please provide separate tables per year in attachment.

Region	Type of flock (d)	Total number of flocks (a)	Total number of animals	Total number of flocks/ herds under the programme	Total number of animals under the programme	Number of flocks checked (b)	Serotype	Number of positive flocks (c)	Number of flocks depopulated	Total number of animals slaughtered or destroyed	Quantity of eggs destroyed (number)	Quantity of eggs channelled to egg product (number)	
Estonia	Laying flocks of	35	520 000	35	520 000	35	salmonella enteritidis	0	0	0	0	0	X
Total		35	520 000	35	520 000	35		0	0	0	0	0	
										Add a new row			

(a) Including eligible and non eligible flocks for the programme

(b) Check means to perform a flock level test under the programme for the presence of salmonella. In this column a flock must not be counted twice even if it has been checked more than one.

(c) If a flock has been checked, in accordance with footnote (b), more than once, a positive sample must be taken into account only once.

(d) Flocks or herds or as appropriate

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7.2 Targets on vaccination or treatment

7.2.1 Targets on vaccination or treatment for year :

2014

*In case of multiannual programme, please provide an estimation on annual basis.
If your targets differ between different implementation years please provide separate tables per year in attachment.*

NUTS Region	Total number of herds in vaccination or treatment programme	Total number of animals in vaccination or treatment programme	Targets on vaccination or treatment programme				
			Number of herds or flocks in vaccination or treatment programme	Number of herds or flocks 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	
Estonia	0	0	0	0	0	0	X
Total	0	0	0	0	0	0	
					Add a new row		

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

2014

In case of multiannual programme, please provide an estimation on annual basis.

If your cost estimations differ between different implementation years please provide separate tables per year in attachment.

1. Testing						
Cost related to	Specification	Number of tests	Unitary cost in EUR	Total amount in EUR	Union funding requested	
Cost of analysis	BACTERIOLOGICAL DETECTION TEST IN FRAME C	120	24.74	2968.8	yes	X
				Add a new row		
2. Vaccination (if you ask cofinancing for purchase of vaccins, you should also fill in 6.4 and 7.2)						
Cost related to	Specification	Number of vaccine dosis	Unitary cost in EUR	Total amount in EUR	Union funding requested	
Vaccination	Purchase of vaccine doses	0	0	0	no	X
				Add a new row		
3. Slaughter and destruction (without any salaries)						
Cost related to	Specification	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested	
Slaughter and destruction	Compensation of animals	0	0	0	no	X
				Add a new row		
4. Cleaning and disinfection						
Cost related to	Specification	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested	

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						Add a new row	
5. Salaries (staff contracted for the programme only)							
Cost related to	Specification	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested		
						Add a new row	
6. Consumables and specific equipment							
Cost related to	Specification	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested		
						Add a new row	
7. Other costs							
Cost related to	Specification	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested		
						Add a new row	
8. Cost of official sampling							
Cost related to	Specification	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested		
Cost of official sampling	Cost of official sampling	120	0.5	60	yes		X
						Add a new row	
Total		240		3028.8			

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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](#), [doc](#), [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!