



EUROPEAN COMMISSION
HEALTH & CONSUMERS DIRECTORATE-GENERAL

Unit G5 - Veterinary Programmes

SANCO/10876/2012

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

Survey Programme for Salmonella

Approved* for 2012 by Commission Decision 2011/807/EU

Malta

* in accordance with Council Decision 2009/470/EC

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version : 2.1

ANNEX II - PART A

General requirements for the national salmonella control programmes

Member state : MALTA

(a) State the aim of the program

(max. 32000 chars) :

To carry out a monitoring and control programme for Zoonotic Salmonella in Broiler flocks of Gallus gallus in accordance to Council Regulation (EC) 2160/2003 and Commission Regulation (EC) no 646/2007 ; to achieve a reduction of the prevalence of Salmonella enteritidis and Salmonella typhimurium, as indicated in article 1 of CR 646/2007:-

" a reduction of maximum percentage of flocks of broilers remaining positive of Salmonella enteritidis and Salmonella typhimurium to 1% or less by 31st December 2011"

(b) Animal population and phases of production which sampling 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

(c) Demonstrate the evidence...

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

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(max. 32000 chars) :

The registered and functioning broiler flocks of Gallus gallus reared for meat production on both the Islands of Malta and Gozo are covered by the SNCP irrespective of their capacity. There are no breeding flocks presently on the Islands.

FLOCKS INFECTED WITH TARGETED SEROVARS (SE/ST):.

The owner of the infected holding or the owner's representative will be served with an official restriction notice in writing issued by the CVO. Restriction measures will apply with immediate effect. There is to be no movement of animals. The entry of vehicles and personnel is to be restricted and strict biosecurity measures (protective clothing, boots, the use of foot baths and disinfection pits for vehicles) respected to avoid spreading of infection out of the holding and between different houses located on the same holding.

The SNCP in broilers commenced in 2009 and up to date all infected flocks were considered unfit for human consumption and destroyed. Recovery will be the preferred option but this depends on the availability of recovery in local establishments. If it is not possible locally, the shipment costs decrease significantly the margin of profit. In case of culling:- a census was carried out by officials from the CA and culling of animals was carried out under the supervision of the CA. The carcasses were then placed in leak-proof bins supplied by the Thermal Facility and the bins are transported to the Thermal Facility in authorised vehicles . CA officials would be present at the Thermal facility to witness arrival of carcasses and record weights to carry out cross checks.

FURTHER PROCESSING OF CARCASSES FROM INFECTED FLOCKS (SE/ST)

The option will be given for processing plants to be able to use carcasses from infected flocks with the targeted serovars to use them for cooked process products.

An SOP to outline slaughter procedures and management of such carcasses has been compiled to guarantee reduction of spread of the zoonoses. The birds are caught and placed in clean crates under the supervision of CA officials. The crates are provided by the slaughterhouse and strict protocols of washing and disinfection after use has to be carried out. The CA officials will follow the birds to the designated slaughterhouse. The slaughter batch of infected flock have to be slaughtered or at the end of a slaughter day or on their own without other birds from other flocks being slaughtered afterwards. The OV and auxiliaries will then follow the slaughtering procedure which will be in accordance to Community legislation on food hygiene. Weight readings will be recorded to have a total net live weight of the poultry slaughtered. The total number of birds slaughtered is also recorded. Cleaning and disinfection after slaughter has to be carried out with utmost care .

Fifteen neck skins per slaughter batch will be sampled and sent to the National Veterinary Laboratory for Salmonella isolation. The carcasses are placed in crates clearly identifying origin of flock and intended use. The animal by products produced are collected in bins, always supplied by the Thermal Facility. The feathers and green offals are collected in separate bins.

CA officials will be present at the processing plants for the arrival of the chilled carcasses (transported in approved refrigerated vehicles). The processing plant is to ensure and verify that the batch number of the processed products can be traced back to the origin.

The CA will modify these specific requirements according to any modifications as detailed in the relevant Regulation.

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(d) Specification of following points :

(d)1. General

(d)1.1 A short summary referring to the occurrence

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 flock prevalence of the targeted serovars (*Salmonella enteritidis* (SE) and *Salmonella typhimurium* (ST)) in 2010 was of 4.1%. out of a total of 798 flocks , 587 were sampled and analysed since in the beginning of 2010 not all houses were being sampled and/or analysed separately. However this is the first close value of the flock prevalence to be taken as a reference point. The vast majority of isolates were ST (21 out of 24).

The first information available comes from a base line study carried out in 2004.

A cross-sectional survey of poultry carcasses was carried out from January to August 2004, to determine the prevalence of Zoonotic Salmonella. The samples were taken at the slaughterhouses according to their respective throughput. The sampling scheme was designed to detect a prevalence of 50% with a confidence level of 95%.

A total of 418 samples were collected and analysed at the laboratory of the Food and Veterinary Division of the Veterinary Regulation, Fisheries Conservation and Control Division.

The isolates were sent abroad to be typed at VLA –Weybridge –UK.

The prevalence of salmonella in the local poultry meat was of 26.8% (out of 418 samples, 112 resulted positive).

Salmonella kedougou was the serovar with the highest incidence. *Salmonella enteritidis* represented 3.6% of the serovars isolated while *Salmonella typhimurium* was 16.1%. Out of a total of 418 samples , 18 samples were infected with *Salmonella typhimurium* and 4 were infected with *Salmonella enteritidis*.

The SNCP commenced mid-2009 due to lack of human resources.

Number of flocks sampled and tested in 2009:

A total of eighty-seven flocks were sampled.

Targets:

Out of the 87 flocks, twenty-seven flocks were positive to Salmonellosis . Two of which were S.

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typhimurium. The flocks infected with the targeted serovars were culled and destroyed. From the data of 2009, considering that analysis commenced mid-year, the overall prevalence was of Salmonellosis 31% with a 2.2% prevalence of Salmonella typhimurium.

(d)1.2 A short summary referring to the occurrence of the salmonella

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) :

There is only one Competent Authority being the Agriculture and Fisheries Regulation Department (AFRD) under the Ministry for Resources and Rural Affairs.

The Agriculture and Fisheries Regulation Division is made up of three Departments:

- Plant Health Department,
- Veterinary Regulation Department
- Fisheries Department

The Veterinary Regulation Directorate (VRD): is in charge of supervising, coordinating and implementing the Salmonella Control Programme. The Island of Malta is 350sqm and therefore there is only one central authority; all offices are situated in the same premises, with the exception of the Border Inspection post and of the office on the smaller Island of Gozo. The office on the Island of Gozo is only responsible of sampling the 6 layer farms on that Island.

The Veterinary Regulation Directorate: is made up of three sections:

A) The National Veterinary Laboratory (NVL): responsible for the co-ordination and Implementation of the SNCP.

B) The Animal Health & Welfare Section: which helps in the co-ordination of the sampling officers, in carrying out a census and supervising culling of flock and /or destruction of infected products.

C) Safety of the Food Chain

A) The National Veterinary Laboratory:

(i) Principal veterinary officer in charge will be responsible for:

- appropriate training of personnel responsible for collecting the samples
- in charge of supervising that the programme is adhered to and that the samples are collected according to the programme.
- all necessary material needed for sampling eg. Boot swabs, sterile bags, etc are available.
- ensure that samples are analysed in accordance to time frame and methodology as laid down in the programme
- co-ordinate with Public Health Laboratory (NRL) for typing of positive isolates.
- reporting suspect positives / confirmed results to the Animal health section and CVO
- inform Director of Safety of the Food Chain or Veterinary Officer in charge of white meat slaughterhouse of any infected flocks

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- collecting/ filing all relevant data and reporting of results.

B) Animal Health & Welfare Section:

(ii) Senior veterinary support officer in charge of the poultry section will be responsible for:

- co-ordinating sampling team
- making appointments with the farmers and preparing daily sampling schedules
- collaborating with the principal veterinary officer i/c lab
- organizing on farm investigation in cases of suspect/confirmed positive results
- collaborate in census, movement restriction, eradication and disinfection measures
- collaborate in farm investigations in view of repopulation of farm

(iii) Assistant Veterinary Support Officers will be responsible for:

- Ensuring to follow appropriate training
- collecting and transporting samples appropriately
- deliver samples within 24 hours from collection to the laboratory
- ensure that accompanying documents are filled appropriately

(iv) Veterinary Officer responsible for by-products:

- is responsible of ensuring that biosecurity measures and provisions in Council Regulation 1174/2002 are adhered to during disposal of carcasses and products.

(v) Animal welfare officer:

- responsible for ensuring that animal welfare provisions are respected during culling of infected flocks.

C) Section for Safety of the Food Chain

(vi) Director is responsible for;

- informing the national contact person for the rapid alert system when necessary.

Chief Veterinary Officer

Following recommendations from principal veterinary officer i/c lab;

- Responsible for issuing restriction movement documents
- issuing of documentation for lifting restriction measures on a farm and /or permitting repopulation.

(d) 1.3 A short summary referring to the occurrence of the salmonella

Approved laboratories where samples collected within the programme are analysed.

(max. 32000 chars) :

The National Veterinary Laboratory (NVL) of the VRD under the Ministry For Resources and Rural Affairs is

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responsible for the analysis of the samples up to biochemical identification collected under the framework of this programme.

It is important to note that the CA was also exclusively responsible for carrying out non-official sampling and analysis under the responsibility of the business operator, as laid down in Commission Regulation EC No 646/2007. This decision was taken in consideration of the limited capacity of the farms and that there are no private laboratories approved for Salmonella microbiological testing in Malta apart from the NRL.

However, business operators have been given the option to be trained in sampling techniques and carry out non-official samples. A course was organised by the CA in the beginning of 2011 and an attendance certificate was issued, however few are those operators who opted to sample their own flocks. The business operator can also choose to send non-official samples to an accredited laboratory abroad approved by the CA. A list has been drawn up by the CA of approved accredited Laboratories in Italy. Only a few operators have started to send the non-official samples to an accredited private lab in Sicily approved by the CA. The business operator would have to pass a copy of all the results of non-official tests prior to slaughter, otherwise slaughtering would not be permitted. The CA will also carry out a number of random checks on documentation of the non-official sampling to verify compliance with the Regulation.

The National Veterinary Laboratory (NVL), to date, is not accredited however there is a quality assurance system in place in accordance to the requirements of current EN/ISO standards. The NVL has also begun the process of accreditation and has successfully participated in ring-trials organised by the VLA - UK. In 2010 the lab participated in four ring trials on simulated samples of poultry carcass, faecal, dust and chick-liner. In 2011 proficiency trials will also include feed simulated samples.

The National Reference Laboratory is the Public Health Laboratory which falls under a different Ministry from the CA (Ministry for Social Policy). The NRL is accredited according to ISO 17025 and carries out the typing of positive isolates.

The slaughter houses, processing plants and feedmills send the sampling from their HACCP programmes to local private laboratories, which are not yet accredited but have quality assurance systems in place.

The larger of the two hatcheries send samples for analysis of Salmonella to an accredited laboratory in Italy.

(d)1.4 Methods in examination

Methods used in the examination of the samples in the framework of the programme.

(max. 32000 chars) :

The majority of both official and non-official samples are collected by CA staff. The samples are brought to the National Veterinary Laboratory (NVL) within a few hours from collection, with the exception of samples from Gozo, which are delivered the next day and till such time kept

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refrigerated.

The samples are generally always analysed on the day of delivery. If a particular situation arises, at the latest, the samples will be examined within 48 hours from receipt and kept refrigerated until such time. Analysis of boot swabs and environmental samples are carried out in accordance to Commission Regulation 646/2007. The method of analysis used is that recommended by the Community Reference Laboratory for Salmonella, being the current version of draft Annex D of ISO 6579 (2002): "Detection of Salmonella spp. in animal faeces and in samples of primary production". The National Veterinary Laboratory carries out analysis until biochemical identification of the isolates. The positive isolates are then sent immediately to the Public Health Laboratory (just 15 minutes away) for serotyping. Serotyping is carried out following the Kaufmann-White scheme by the Public Health laboratory, who send results through e-mail & later by mail to the NVL.

(d)1.5 A short summary referring to the occurrence of the salmonellosis

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

(max. 32000 chars) :

Official controls at feed -level:

There are six larger feed mills. These import and produce the majority of feed supplied to local farms. The feed mills import premixes and concentrates from approved EU countries (predominantly UK). These are then mixed with other ingredients such as cereals and soya imported from EU and non-EU countries. A small number of farms carry out home mixing.

To date only two of the feed mills carry out their own sampling. (one sends the samples to a local laboratory and one sends samples abroad).

Official visits are now being carried out on all feed mills and also the home mixers. The large commercial companies have an HACCP programme in place and are visited at least once annually by CA officials.

Documentation regarding auto-control checks are verified during official controls and an annual sampling programme has been set up whereby official samples are collected.

In 2010, there were no positive samples for Salmonella isolation from the samples analysed under the national control programme on commercial feed mills.

Samples of feed are also collected from the all holdings at least once annually as part of the SNCP. The finished feed is sampled direct from farm. In cases when there is a positive isolation of Salmonella, CA officers return to the farm to investigate and resample. In cases of home mixing, the different components are sampled.

Official controls at flock-level:

All registered and functioning broiler flocks on both Malta and Gozo are included in the national control programme, irrespective of the capacity.

The CA, to date, has been carrying out the majority of sampling described in point 1 of the Annex of Commission Regulation EC No 646/2007, this means that the CA carries out both official and non-official sampling of most broiler farms.

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Official Samples to be taken

- (i) from at least one flock of broilers on 10% of those holdings with more than 5,000 birds.
- (ii) If necessary official sampling is carried out in accordance to point 1(c) of the Annex of Commission Regulation EC No 646/2007.
- (iii) In case of suspicion of Salmonella infection and in any other case considered appropriate.

Samples are taken two - three weeks prior to slaughtering. This is around 5 - 6 weeks of age in Malta. Two boot swabs are taken from each house. Each pair of boot swabs is used to cover 50% of the house. The two boot swabs are then pooled together.

All separate houses on the same premises are considered as a separate flock and sampled separately.

(d)1.6 Measures

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) :

Council Regulation 2160/2003, Commission Regulation 646/2007 and Commission Regulation 1177/2006 are directly applicable. To date, Malta considered broiler flocks infected with Salmonella enteritidis and Salmonella typhimurium as unfit for human consumption and were destroyed. However recovery would be the preferred choice.

In the frame of the Salmonella control programme in broilers of Gallus gallus, the provisions of CR No 646/2007/EC paragraph 1/2/4 (particularly provisions on exceptional cases) are implemented.

FLOCK DEFINITION:

All houses are sampled separately and considered as a flock acc. to Reg. No 2160/2003.

(I) MEASURES TAKEN IN CASES OF SALMONELLA TYPHIMURIUM AND SALMONELLA ENTERITIDIS POSITIVE FLOCKS:

- Official restriction notice issued by CVO to business operator.

Biosecurity measures will be strengthened to ensure that the infection does not spread between the different houses (if it is the case) and other holdings; such as, no movement of live animals, external disinfection of vehicles transporting products out of farm and proper disinfection of equipment used.

DESTINATION OF FLOCK:

(Ia) CULLING:

Culling is carried out under supervision of CA officials, who also supervise transport of carcasses to Thermal Facility (there is only one such unit based on Malta). Records from thermal unit are double checked for weight reference according to census records of CA. Carcasses/are transported in leak-proof bins a by approved vehicles.

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(Ib) FURTHER PROCESSING OF CARCASSES FROM INFECTED FLOCKS (SE/ST)

Processing plants are able to use carcasses from infected flocks with the targeted serovars to use them for further processing.

An SOP to outline slaughter procedures and management of such carcasses has been compiled to guarantee reduction of spread of the zoonoses. The birds are caught on farm under the supervision of CA officials. The crates are provided by the slaughterhouse and strict protocols of washing and disinfection after use has to be carried out. The CA officials will follow the birds to the designated slaughterhouse. The slaughter batch of infected flock have to be slaughtered or at the end of a slaughter day or on their own without other birds from other flocks being slaughtered afterwards.

Slaughtering procedure supervised by the OV/ auxiliaries will be in accordance to Community legislation on food hygiene. Weight readings and the total number of birds slaughtered is also recorded. Cleaning and disinfection after slaughter has to be carried out with utmost care .

Fifteen neck skins per slaughter batch will be sampled and sent to the National Veterinary Laboratory for Salmonella isolation. The carcasses are placed in crates clearly identifying origin of flock and intended use. The animal by products produced are collected in bins, always supplied by the Thermal Facility. CA officials will be present at the processing plants for the arrival of the chilled carcasses (transported in approved refrigerated vehicles). The processing plant is to ensure and verify that the batch number of the processed products can be traced back to the origin.

If no Salmonella spp. is isolated from the neck skins sampled during slaughter destination of such carcasses may be changed.

PROPER CLEANING AND DISINFECTION of infected houses is carried out by the business operator, according to official guides produced.

Lifting of restrictions and re-population permitted only if environmental samples result negative to Salmonella spp. isolation.

II) IN CASES WHERE OTHER SALMONELLA SPP. ARE ISOLATED:

Operator is informed in writing.

- There will be no restrictions on flock.
- However, operator will be encouraged to review and strengthened biosecurity measures .
- After the infected flock has reached end of production and has been slaughtered, thorough cleaning and disinfection procedures will be carried out by the operator.

(d)1.7 A short summary referring to the occurrence of the samonellos

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

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(max. 32000 chars) :

IMPLEMENTATION

The Veterinary Service Act, Chapter 437, art 5.1, states that “the Minister may prescribe rules concerning the prevention and control of diseases”.

Collection of information on Zoonosis and Zoonotic Agent Rules - LN 28/2005.

Council and Commission Regulations are directly applicable.

NOTIFICATION

The Veterinary Services Act, Chapter 437, art 35.1(f) provides for the obligation of notification of any suspicion of zoonosis or other disease or any other phenomenon or circumstances liable to present a serious threat to animal or public health..

FINANCIAL COMPENSATION

The Veterinary Service Act, Chapter 437, art 18.1 regards financial contribution in connection with national schemes for the eradication of particular diseases.

Collection of information on Zoonosis and Zoonotic Agent Rules - LN 28/2005 art 8.1.

regulates financial contribution for zoonotic control programmes.

A National Legal Notice under the Veterinary Service Act regarding compensation rates for all poultry flocks under the Salmonella Control Programme been drafted but is still under discussion and public consultation.

Commission Regulations and Decisions are directly applicable in the Maltese National legal structure.

(d)1.8 Financial assistance

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

(max. 32000 chars) :

A National Legal Notice is soon to be issued regarding compensation rates to be applied to the poultry flocks under the Salmonella Control programmes.

The valuation of birds will be calculated by the CA, in accordance to details listed in the Legal Notice.

However, since compensation is not to exceed the current market value this can vary and that is why exact figures are not detailed in the legal notice since it takes too long to issue any changes. Notices with the precise figures can be issued under the LN, when it is in force. These notices can be issued in shorter time-frames to account for changes in the market value.

In 2010, business operators were compensated for the loss of culled broiler flocks at 1.16EUR/kg weight.

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

Concerning food and feed businesses covered by the programme

(d)2.1 Structure of the production

The structure of the production of the given species and products thereof.

(max. 32000 chars) :

Malta and the smaller sister Island of Gozo are considered as one region for the surveillance and control of disease. The Competent Authority responsible for the Salmonella Control Programme at farm level, feed level, primary production and manufacturing level excluding retail, falls under the Veterinary Regulation Directorate (VRD) under the Agriculture and Fisheries Regulation Division within Ministry for Resources and Rural Affairs –.

Registration of Farms:

•There are no breeding flocks of Broilers in Malta at present.

Broiler farms are registered with the CA. The operators book the number of birds or day-olds for the next rearing from the hatcheries who import hatching eggs and day-olds. The farmers do not import any day-olds for them selves but all book through the hatcheries. There is no association of poultry breeders and the industry is made up of a quite a number of small farms, all operating individually.

Hatcheries

There are two registered hatcheries on the Island of Malta. However one of these is responsible for supplying the vast majority of farms and also imports day-olds for the farms.

Hatching Regulations LN48 of 1997 lays down the provisions that regulate the national hatchery establishments.

Hatching eggs are imported from EU member states, primarily from France, Italy, Netherlands and Belgium. All consignments are imported with the official Intra Trade Certificate issued according to Council Directive 539/90. In 2010, just over 3 million broiler hatching eggs were imported.

The hatcheries are legally obliged to report to the VRD, as competent authority, the number of hatching eggs imported, submitting a copy of import/trade documents. The competent authority then prints out a "hatch report" which is passed on to the hatchery. This form is returned to the competent authority once the particular batch of eggs have been hatched and sold. This hatch report includes a list of farms which are the destination of chicks sold. From this documentation, staff at the Animal Health section record all relevant data on the National Livestock database (Intratrace).

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A movement document is issued by the competent authority and given to the farmer. This document follows the flock up to the slaughterhouse, where the slaughterhouse fills in the number of birds slaughtered. The movement document is then returned to the CA. A new movement document for a new batch of birds is only issued after a three-week resting period between rearing of different batches.

There are 89 functional broiler holdings which amount to an average of 800 flocks per year.

Capacity of Registered Broiler Holdings:(according to National database)

Over 70,000 - 0

50,000 -70,000 -0

30,000 – 50,000 - 3

20,000-30,000 - 6

10,000 – 20,000 - 15

5,000 - 10,000 - 26

2,000 – 5,000 -25

1,000 – 2,000 -5

500 – 1,000 - 6

Less than 500 - 3

Structure of Broiler Farms:

There are no free-range farms on Malta / Gozo. All broilers are breed in closed houses, kept on bedding. The slaughter age of the broilers can vary slightly depending on the market demand such as a seasonal request for capons in December, however, on average the animals are slaughtered between 5 – 6 weeks. The general rule is all in all out system with a three -week resting period between flocks.

Total amount of birds slaughtered for 2010 was around 2,900,000.

The operators have individual agreements with the slaughterhouses to whom they sell their birds. There are four slaughter houses all located on the Island of Malta. Generally each slaughter house maintains working relationships with the same number of operators. The slaughterhouses would then sell the produce to retail outlets (butcher shops, supermarkets).

(d)2.2 Structure of the production of feed

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The structure of the production of feed.

(max. 32000 chars) :

There are six commercial feed mills and a small number of home mixers. The commercial feed mills import and produce the majority of feed supplied to local farms. The feed mills import premixes and concentrates from approved EU countries (predominantly UK). These are mixed with other ingredients such as cereals and soya imported from EU and non-EU countries.

To date only two of the feed mills carry out their own sampling programme. (one carries out analysis locally and one sends the samples abroad).

Legal notice 374/2005 regulates the responsibility of feed mills.

(d)2.3 Relevant guidelines

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

hygiene management at farms

(max. 32000 chars) :

The Community guidelines have been distributed to the farmers and a seminar was held in May 2010 to explain the relative legislation and hygiene practice. Emphasis was given to the correct use of vehicle disinfection pits. If a vehicle disinfection pit cannot be placed at the farm entrance, pressure washers are used on the wheels of visiting vehicles, especially the delivery trucks from feed mills.

It is difficult for the operator to change clothing if houses are just a few steps apart but the use of pans soaked with disinfectant outside each house is constantly being enforced and reminded by sampling staff which visit the farms on a very regular basis. Pest control (mice, rats and birds) is generally addressed through the use of nets on the windows, correct maintenance of building structures and the use of venom.

Almost all farms have automatic cleaning belts while few carry out the cleaning manually. Cleaning is usually carried out weekly. The faecal material falls into the pits where it is usually shoveled out into dumpers and taken to the manure clamp by van.

All farms producing manure have to store solid manure in an enclosed place known as the manure

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clamp, for six months a year (from the 15th October to 15th March). All farms are to have a leak proof cesspit, to collect foul water arising from cleaning etc. The manure clamp is to be connected to the cesspit. The water is kept for 15 days then collected by a bowser. These regulations serve to reduce the environmental pollution and the nitrate level in fields fertilised with manure. However, they may also provide a tool to permit biosecurity measures to limit spread of disease.

The Animal Health Section within the CA will only issue movement documents for batches of birds if a three-week period is respected between the rearing of different flocks, to permit for appropriate cleaning. this is stated in the LN119 of 2005 " Rearing pf Broilers Regulation".

In case of SE/ST positive flocks, a negative evaluation of biosecurity measures brings about a deduction in the compensation rates of the SNCP.

(d)2.3.2 Relevant guidelines

measures to prevent incoming infections carried by animals, feed, drinking water, people working at farms

(max. 32000 chars) :

MEASURES FOR PREVENTING INFECTIONS:

Most holdings have PITS for the disinfection of the vehicles entering or leaving the premises. In the summer months , the pits dry up very quickly but operators have become much more attentive of this since the start of the SNCP. No farm has separate entrances. It is recommended that as much as possible vehicles should not go into a farm. The use of a pressure -washer for the wheels is highly recommended. The FEED is bought fresh from the feed mills, even though there are those farms that also have their own silos. Due to the island's high humidity levels, farmers are not in the habit of storing large quantities of feed to avoid the formation of yeasts and moulds. Feeds are usually kept in their bags within the sheds in a dark, dry corners. Other in-coming vehicles would be from the hatchery and when day-olds are brought in. The farmers have become very conscience of the risk of infection and are really beginning to address the issue of the same vehicle moving amongst different farms.

The water supply can be direct from the main government supply or from private bore holes. In the latter case, control of the water is purely voluntary; however this is not frequently carried out unless the family uses the water from the bore hole for their own personal use.

A high percentage of farms are small in capacity and are family-run, therefore few people would be responsible for the daily management of the animals. There is no legal obligation for people handling live animals to carry out medical checks. The larger holdings have employees.

PEST CONTROL (mice, rats and birds) is generally addressed through the use of nets on the windows, correct maintenance of building structures and the use of venom.

USE OF CLEAN PROTECTIVE CLOTHING, DISINFECTION PANS: The use of clean protective clothing and disinfection of boots when moving between houses is continuously being reminded by sampling staff. A problem that arises is when there are mixed farms with swine animals also reared on the premises.

The hatchery transports the day-old chicks to the farms. While the slaughterhouse provides the operator

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with clean crates which are used for transporting the birds to the slaughterhouse. Each operator is responsible for transporting his flock to the slaughterhouse. Cleaning and disinfection of such vehicles is important in avoiding contamination between flocks.

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

hygiene in transporting animals to and from farms

(max. 32000 chars) :

Birds are usually only transported from the hatchery to the farm and then once again on the day of slaughter. The larger hatchery is responsible for supply the vast majority of farms, therefore the farmers have become aware of this problem as being a very possible source of infection. The correct use and replenishing of the disinfection pit, combined with the use of pressure-washers for the wheels of the vehicles is being observed. The operator is responsible for transporting the flock to the slaughter house. The distances are very short. Cleaning and disinfection of crates (which are shared through the slaughterhouse) and of vehicles is highly recommended and noted by the OV at the slaughterhouse. The vast majority of operators use pressure-washers for the cleaning of such vehicles.

(d)2.4 Routine veterinary supervision of farms

Routine veterinary supervision of farms

(max. 32000 chars) :

Routine veterinary inspection on farm

According to national legislation, "The Veterinary Service Act, Chapter 437 of 2001, article 35 (f) states that "the owner, the keeper , the dealer or the importer, the consignee, the carrier , the retailer or any other person authorised under the provisions of this Act shall notify the veterinary services of any suspicion of zoonosis or other diseases or any other phenomenon or circumstances liable to present a serious threat to animal or public health." The Animal Welfare Act 439 regulates welfare issues.

Local farms being generally small in capacity, do not have their own private veterinarian visiting on a regular basis but only in case of necessity. One of the largest local feed mills provides free technical support. A lot of the farmers buying their feed from this feed mill make regular use of the technical personnel. If there is any cause for suspicion, the company`s veterinarian is then called out. There is no delegation of official control of poultry in Malta.

Since the SNCP has been implemented, the majority of sampling under the framework of the legislation to date has been carried by the CA. Any official control is carried out by auxiliaries under the supervision of the OV, when the OV cannot perform himself the official control. The officers conduct an animal

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welfare check list at least once annually per registered farm. The check-list holds information regarding not only animal welfare issues but also details about biosecurity measures. Every check-list is a control document.

A private veterinarian who would have carried out an ante-mortem inspection on farm prior to the flock leaving the holding. If the farmer does not present an ante-mortem inspection, therefore the official veterinarian carries out the ante-mortem at the slaughterhouse.

(d)2.5 Registration of farms

Registration of farms

(max. 32000 chars) :

Legal notice 119/2005 under chapter 36 of the national legislation enforces registration of all farms having more than 20 broilers with the CA. The CA is always the VRD under the AFRD. There is only one central CA and no regional offices.

Each registered farm is given a licence number by the CA. This number is unique and not re-issued if the farm ceases to operate. The number is made up of letters and numbers. The letters indicate if the farm has an exclusive licence for broiler rearing or also for rearing layers. The rearing of both categories is not permitted simultaneously. PB stands for poultry broiler, while PBL stands for poultry broiler, layer. The last letter is either M or G indicating the territory of Malta or Gozo. After the letters a series of numbers follow. These have been conferred consecutively. To date the registration is made up of a three-digit number. The licence is re-issued annually. If no broilers are reared in a 12-month period the licence is not renewed. The CA (VRD) keeps all relevant information of the registered holding on the national livestock database system which is managed by the Animal Health section. All information relative to different flocks reared on the holding eg. number of birds, date of hatch, batch number of birds, slaughter date and results of the SNCP are accessible to all authorised personnel. The same batch of birds bought from the hatchery may be split up in different houses and therefore will be considered as different flocks, however these flocks would have the same batch code.

(d)2.6 Record keeping at farm

Record keeping at farms

(max. 32000 chars) :

In accordance to point 5 of the Schedule to the Farm Animals(Protection) Regulations of 2003 (Legal

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Notice 266 of 2003), and point 16 of Schedule B of LN 119 of 2005 " Rearing of Broilers Regulations"; owners or keepers shall maintain a record for each unit of an establishment of the -

- Number and origin of chickens brought in;
- daily mortality
- feed consumption
- temperature
- Number of chickens sent for slaughter;
- The number of culls with reason for cull, leg culls shall be specifically identified;
- Medicine and vaccine administration records, these records shall include the prescription, duration of treatment, dosage and signature of the veterinary surgeon.

All this information has to be kept on an official register. This book is presented to the official veterinarian at the slaughterhouse.

The records shall be retained for a period of at least three years and shall be made available to the competent authority when carrying out an inspection or when otherwise requested.

The result of the SNCP are also sent by post and the operator is requested to keep the result for up to three years.

(d)2.7 Documents to accompany animals when dispatched

Documents to accompany animals when dispatched

(max. 32000 chars) :

The capacity of local operators is too small and currently no operator holds the licence to rear poultry for breeding purposes. To date there has never been any export of birds or hatching eggs to any EU Member State. however, if the case arises Malta would issue the ITAHC in accordance to EU Directive 90/539/EC and Commission Regulation (EC) 2160/2003 article 9.1.

Issuing of all ITAHC falls under the responsibility of the CA, being the Veterinary Regulation Directorate (VRD) and as stated before, there is only one central office and no district offices. All activities under the responsibility of the CA are carried out at the same premises, with the exception of the BIP.

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

Other relevant measures to ensure the traceability of animals

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(max. 32000 chars) :

OWNERS/KEEPERS of commercial broiler flocks (having more than 20 birds) are legally obliged in accordance to point 5 of the Schedule to the Farm Animals(Protection) Regulations of 2003 (Legal Notice 266 of 2003), and point 16 of Schedule B of LN 119 of 2005 " Rearing of Broilers Regulations"; to maintain records as already elaborated in point 2.6.

(i) Document accompanying birds from hatchery to holding:

The farmer has to obtain an authorization form from the competent authority (copy submitted) to be able to buy the day-old chicks from the hatchery.

(ii) Documents accompanying birds from holding to slaughterhouse.

On the information held in the hatch report, a movement document (Attach. 2) is issued by the competent authority and given to the farmer. This document follows the flock up to the slaughterhouse, where the slaughterhouse fills in the number of birds slaughtered. The movement document is then returned to the competent authority

HATCHERIES:

Hatching Regulation LN 48 of 1997 lays down the provision regulating hatcheries. Amongst the provisions there are also legal obligation for the maintenance of records, eg. registration number of establishment of origin of hatching eggs or day-olds, Number of eggs or day-olds imported, date on import, batch ID code, number of eggs hatched , list of recipient farms , date of delivery of day-olds. The hatchery are obliged to submit a copy of all import and trade documents to the CA (Animal Section). The CA issues a hatch report on the trade documents submitted, on hatching of eggs the hatchery fills in details regarding number of eggs hatched and amount sold to each farm and Batch code. The CA generates a movement document with an individual batch code number given to each batch of day-olds sold to each individual farm. This batch number follows the birds up to slaughter.

Records are to be kept for three years.

PRODUCTS:

The batches of birds at the slaughter house continue to carry the identification code number conferred to them as day -olds by the CA. This number is reproduced on the label of the generated products.

TRACES, also falls under the responsibility of the CA. It is localized at the Border Inspection Post and the authorised officials at the BIP have access to it. The BIP is the only office of the CA localized in a different area.

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ANNEX II - PART B

1. Identification of the programme

Disease Zoonotic Salmonella

Species: Broiler flocks of Gallus gallus

Request of Community co-financing
for year: 2013

1.1 Contact

Name : Susan Chircop

Phone : +356.25905304

Fax. : +356.25905178

Email : susan.chircop@gov.mt

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) :

In the beginning of 2010, not all houses on the same holding were being sampled and /or analysed separately, however this was rectified following the FVO general audit on Salmonella control in poultry flocks. Out of 798 flocks, 587 were sampled and analysed separately. The flock prevalence for the targeted serovars for 2010 was of 4.1%. Salmonella typhimurium (21flocks out of 24) is the most frequently isolated while 3 flocks were positive for Salmonella enteritidis.

This is the real starting reference point in the SNCP for broilers.

Flock prevalence for other serovars is of 29%, where Salmonella kentucky is by far the most represented serovar (46.75%).

Prior to this the occurrence of Salmonellosis, in particular the occurrence of the targeted serovars was not monitored adequately. The first available data is from a study carried out on broiler carcasses in

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2004. In 2008, Malta carried out the baseline study on broiler carcasses for Salmonella spp. and Campylobacter according to Commission Decision 2007/516/EC. A total of 367 samples were analysed and 77 were positive to Salmonella spp. isolation. Out of 94 farms from which carcasses had been collected, 42 were positive. Salmonella typhimurium was isolated from 10 farms, while Salmonella enteritidis was not isolated. Salmonella bredney (representing 36.3% of positives) and Salmonella kentucky (representing 19.4% of positives) were the most frequently isolated.

The SNCP in broiler flocks commenced in the last quarter of 2009 in Malta. Therefore it was too early to be able to monitor the progress and efficiency of the SNCP.

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 main objectives of this programme is to monitor and control all broiler flocks of Gallus gallus in Malta and Gozo, in accordance to Commission Regulation 2160/2003 for Zoonotic Salmonella spp. Flocks found infected with Salmonella typhimurium and Salmonella enteritidis may be either, condemned and killed with incineration of products or further processing may be permitted under strict specific provisions , in order to achieve a reduction in the prevalence of these serotypes in the national flock, as indicated in Commission Regulation 646/2007 article 1, " reduction of maximum percentage of flocks of broilers remaining positive of Salmonella enteritidis and Salmonella typhimurium to 1% or less by the 31st December 2011

The target population would be all broiler flocks of Gallus gallus. Malta and Gozo will be considered as one region.

All registered and functioning farms (89) will be tested. Total population of approximately 3 million. The testing scheme would be to analyse all houses on a holding by sampling 2 pairs of boot swabs per house.

Targeted age-group :

Broilers: 2 weeks prior to slaughter (i.e between 2-3 weeks of age)

OFFICIAL SAMPLES:

The collection of official samples will be carried out by the CA. Samples are transported to the laboratory within a few hours from collection, with the exception of the few farms on Gozo. In the latter case the samples arrive after 24 hours and are kept refrigerated. Analyses of samples will be carried out by the NVL and typing will be carried out at the Public Health Lab.

Boot swabs taken from one same house will be pooled together.

Analysis of the boot swabs and environmental samples will be carried out in accordance to Commission Regulation 646/2007. The method of analysis used is that recommended by the Community Reference

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Laboratory for Salmonella, being the current version of draft Annex D of ISO 6579 (2002): "Detection of Salmonella spp. in animal faeces and in samples of primary production". Modified semi-solid Rappaport-Vassiliadis medium (MSRV) will be used as a single selective medium. Serotyping will be carried following the Kaufmann-White scheme.

The competent authority is also responsible for the national residue plan.

Each farm will be tested for antibiotic-residue during the sampling for the salmonella control programme.

NON-OFFICIAL SAMPLES:

To date most of the non-official samples were also collected and analysed by the CA since there are no private laboratories accredited for Salmonella isolation. The only lab accredited is the NRL for salmonella which is the Public Health Lab (PHL). This lab falls under the Ministry for Social Policy (a.k.a Ministry of Health) and is responsible amongst other things for food analyses at retail level. The PHL only carries out typing or parallel testing in exceptional cases.

Some operators are taking their own analyses. The samples are sent to an approved lab probably in Sicily accredited for Salmonella isolation on the specific matrixes requested. A short training course has been organised by CA officials to train the operators in sampling techniques. At the end of this short course a certificate of attendance was conferred. only those who attended the course are permitted to carrying out own sampling. It is planned that after a few years, a refresher course will be carried out. CA officials will also be carrying out spot-checks on a certain percentage of holdings to verify sampling techniques and all documentation relative to the integrity of samples and time lapse during transport and analyses.

DEFINITION OF POSITIVE CASE:

(i) When one isolate is serotyped as Salmonella enteritidis or Salmonella typhimurium from an official or non-official sample.

(ii) When the illegal use of antimicrobials is asserted and no Salmonella spp. was isolated.

A holding is no longer considered infected once environmental samples result negative and re-stocking is permitted.

4. Measures of the submitted programme

4.1 Summary of measures under the programme

Year of the programme : 2013

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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

control of antimicrobial administration

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) :

There is only one Competent Authority being the Agriculture and Fisheries Regulation Department (AFRD) under the Ministry for Resources and Rural Affairs.

The Agriculture and Fisheries Regulation Division is made up of three Departments:

- Plant Health Department,
- Veterinary Regulation Department
- Fisheries Department

The Veterinary Regulation Directorate (VRD): is in charge of supervising, coordinating and implementing the Salmonella Control Programme. The Island of Malta is 350sqm and therefore there is only one central authority; all offices are situated in the same premises, with the exception of the Border Inspection post and of the office on the smaller Island of Gozo. The office on the Island of Gozo is only responsible of sampling the 6 layer farms on that Island.

The Veterinary Regulation Directorate: is made up of three sections:

A) The National Veterinary Laboratory (NVL): responsible for the co-ordination and Implementation of the SNCP.

B) The Animal Health & Welfare Section: which helps in the co-ordination of the sampling officers, in carrying out a census and supervising culling of flock and /or destruction of infected products.

C) Safety of the Food Chain

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A) The National Veterinary Laboratory:

(i) Principal veterinary officer in charge will be responsible for:

- appropriate training of personnel responsible for collecting the samples
- in charge of supervising that the programme is adhered to and that the samples are collected according to the programme.
- all necessary material needed for sampling eg. Boot swabs, sterile bags, etc are available.
- ensure that samples are analysed in accordance to time frame and methodology as laid down in the programme
- co-ordinate with Public Health Laboratory (NRL) for typing of positive isolates.
- reporting suspect positives / confirmed results to the Animal health section and CVO
- inform Director of Safety of the Food Chain or Veterinary Officer in charge of white meat slaughterhouse of any infected flocks
- collecting/ filing all relevant data and reporting of results.

B) Animal Health & Welfare Section:

(ii) Senior veterinary support officer in charge of the poultry section will be responsible for:

- co-ordinating sampling team
- making appointments with the farmers and preparing daily sampling schedules
- collaborating with the principal veterinary officer i/c lab
- organizing on farm investigation in cases of suspect/confirmed positive results
- collaborate in census, movement restriction, eradication and disinfection measures
- collaborate in farm investigations in view of repopulation of farm

(iii) Assistant Veterinary Support Officers will be responsible for:

- Ensuring to follow appropriate training
- collecting and transporting samples appropriately
- deliver samples within 24hours from collection to the laboratory
- ensure that accompanying documents are filled appropriately

(iv) Veterinary Officer responsible for by –products:

- is responsible of ensuring that biosecurity measures and provisions in Council Regulation 1174/2002 are adhered to during disposal of carcasses and products.

(v) Animal welfare officer:

- responsible for ensuring that animal welfare provisions are respected during culling of infected flocks.

C) Section for Safety of the Food Chain

(vi) Director is responsible for;

- informing the national contact person for the rapid alert system when necessary.

Chief Veterinary Officer

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Following recommendations from principal veterinary officer i/c lab;

- Responsible for issuing restriction movement documents
- issuing of documentation for lifting restriction measures on a farm and /or permitting repopulation.

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 Islands of Malta and Gozo are covered by this programme and are considered as one region. The VRD under the Agriculture and Fisheries Regulation Division administers the whole region.

Malta is approximately 360Km² being the larger of the two Islands. Gozo lies north of Malta and is much smaller at less than half Malta`s surface area.

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) :

Legal notice 119/2005 under chapter 36 of the national legislation enforces registration of all farms having more than 20 broilers.

Measures:

The hatcheries are obliged to report to the VRD, as competent authority, the number of hatching eggs imported, submitting a copy of import/trade documents. The competent authority then prints out a "hatch report" which is passed on to the hatchery. This form is returned to the competent authority once the particular batch of eggs have been hatched and sold. This hatch report includes a list of farms which are the destination of chicks sold.

A movement document is issued by the competent authority and given to the farmer. This document follows the flock up to the slaughterhouse, where the slaughterhouse fills in the number of birds slaughtered.

(elaborated in point 2.5 / 2,8) .

4.4.2 Measures and applicable legislation as regards the identification of animals

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Not applicable for poultry

(max. 32000 chars) :

not applicable

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

(max. 32000 chars) :

The Veterinary Services Act, Chapter 437, art 35.1(f) provides for the obligation of notification of any suspicion of zoonosis or other disease or any other phenomenon or circumstances liable to present a serious threat to animal or public health.

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 provisions of the implementing legislation , Commission Regulation (EC) no: 646/2007, in particular paragraph 1 and 2 (frequency and status of sampling) 4 (results and reporting) particularly provisions on exceptional cases of the Annex are implemented.

MEASURES TAKEN ON POSITIVE FLOCKS (SE/ST)

- Restrictive/preventive measures will apply immediately on positive flocks, even when self-checks result positive .
- The owner of the infected holding or the owner's representative will be served with an official notice in writing issued by the CVO within 24hours of a positive laboratory result (excluding weekends).
- Restrictions measures will apply with immediate effect. There is to be no movement of animals. The control of vehicles and strengthening of biosecurity measures is important to prevent spread of infection

Recovery would be the preferred choice. To date flocks were considered unfit for human consumption and culled with destruction of all products.

A) IN CASE OF CULLING OF INFECTED FLOCK.

- The CA officials from the Animal Health section carry out a visit to conduct a census and organise the

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details for the culling of the flock. Valuation of the situation on the holding will normally be carried out before culling. Compensation is affected by the biosecurity standards on the farm , amongst other factors.

- Mobile enclosed trailers or containers can be transported on site if required.
 - Killing of the birds will be supervised by CA officials and the OV responsible for animal welfare has to ensure that welfare provisions are respected. All personnel involved in culling are required to wear protective clothing, gloves and nose/mouth masks.
 - The carcasses will be disposed of through incineration at the Thermal unit run by the Waste Serv Ltd. There is only one public incinerator which falls under the administration of the Waste Serv. Ltd, which falls under the ministry of Resources and rural Affairs.
 - The carcasses have to be transported in leak-proof containers supplied by Waste Serv and transported drip-proof in authorised vehicles that must be disinfected externally before leaving the holding.
 - CA Officials have to supervise all procedures and keep records of the weights registered at the Thermal Unit for cross-reference.
- Feeds will also be considered contaminated and will be destroyed if not consumed .
- Cleaning and disinfection is started as soon as the animals have been all killed and removed from the holding and must be carried out in a methodical way. Detailed procedures are laid down in the good animal husbandry guidelines. (steam cleaning is recommended)
 - Environmental samples are taken and repopulation will be permitted and all restriction bans lifted when there is a negative result to isolation of salmonella spp. The CVO is responsible for issuing such a notice.

B) IN CASE FURTHER PROCESSING :

Processing plants are able to use carcasses from infected flocks for cooked process products.

- An SOP has been compiled covering slaughter procedures and management to guarantee reduction of spread of the zoonoses.
- The birds are caught and placed in clean crates under the supervision of CA officials. The crates provided by the slaughterhouse and strict protocols of washing and disinfection after use has to be carried out.
- The CA officials will follow the birds to the designated slaughterhouse. The slaughter batch of infected flock have to be slaughtered or at the end of a slaughter day or on their own without other birds from other flocks being slaughtered afterwards.
- Weight readings & a total net live weight of the poultry recorded.
- 15 neck shins sampled by CA and tested, if negative destination of products may be changed.
- The processing plant ensures that the batch number of the processed products can be traced back to the origin.

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

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(max. 32000 chars) :

Commission Regulation (EC) No. 646/2007 and Commission Regulation (EC) No. 1237/2007 are directly applicable.

A.) Salmonella enteritidis or salmonella typhimurium infected flock:

1 Isolation of Salmonella enteritidis or Salmonella typhimurium serotyped from one isolate from official and non-official samples.

2.The flock would be considered infected with targeted serovars, if it concluded that there was use of antimicrobials was used as preventive measure and no Salmonella spp. isolated from samples taken from that flock.

B.) Flock considered not infected by targeted serovars.

1. Flocks whereby no salmonella spp. isolated from all samples taken from the flock.

2. Salmonella spp. isolated from one or more of the samples taken from that flock but not Salmonella enteritidis or Salmonella typhimurium.

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) :

Control procedures.

When restriction measures are applicable to a holding:

- The official i/c poultry from the Animal Section of the CA, together with veterinary support officer/s will carry out an investigation on the farm and conduct a census to verify and update information held on the database of the CA regarding the different batches of birds present on the premises and the quantities of birds.

- No poultry carcasses, animal feed, material or waste may leave the holding without a written authorisation issued by an official veterinarian.

- Persons not directly involved in taking care of the animals are not permitted to enter buildings where infected flocks are kept.

- Appropriate means of disinfection, using a disinfectant officially approved as effective against Salmonella spp., is to be used at the entrances and exits of the building housing poultry and of the holding itself.

- Vehicles and equipment used for transport of animals or products have to be cleaned and disinfected with an officially approved disinfectant effective against Salmonella spp. immediately after the movement.

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Disposal of manure from infected flock is carried out through incineration.

When different flocks on the same holding are not infected, an intense and rigid application of biosecurity measures must be implemented.

Such as: different clothing, foot baths and separate water and feed systems .

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

(max. 32000 chars) :

Council Regulation 2160/2003 and Commission Regulation 646/2007 are directly applicable and followed in setting up the sampling scheme, testing regime and setting of targets.

Commission Regulation (EC) No 1177/2006 on the requirements for use of antimicrobials and vaccines in control programmes for poultry will be adhered to. Malta does not permit the use of antimicrobials as preventive measures in any Salmonella control programme. A sample for antimicrobial testing is lifted during every official sampling session but also from most of the non-official sampling. One chicken is taken randomly from one of the flocks on the premises, and tested at the NVL for presence of antimicrobial agents. A screening test is run using the six-plate test.

To date vaccination is not used in Broiler flocks.

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

(max. 32000 chars) :

A Legal notice is soon to be in force under the Veterinary Services Act Chapter 437: titled "Measures for the Eradication of Salmonella Regulations, 2010"

A National Legal Notice is soon to be issued regarding compensation rates to be applied to the poultry flocks under the Salmonella Control programmes.

The valuation of birds will be calculated by the CA, in accordance to details listed in the Legal Notice. However, since compensation is not to exceed the current market value this can vary and that is why exact figures are not detailed in the legal notice since it takes too long to issue any changes. Notices with the precise figures can be issued under the LN, when it is in force. These notices can be issued in shorter time-frames to account for changes in the market value.

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

(max. 32000 chars) :

Guidelines were distributed to operators at a seminar held in May 2010. This seminar was held to explain the relative legislation and hygiene practices on farm. A concise and illustrated version is being compiled for clarity and easy reference. A DVD is also being produced. A veterinarian employed on contract with the Ministry has been carrying out on site-visits on all poultry farms in order to explain

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clearly and individually biosecurity measures and improvements each farmer can implement.

OV's and auxiliaries carrying out any official controls, make use of checklists in accordance to the requirements of Council regulation (EC) no: 882/2004

CA officials carry out a checklist for animal welfare issues annually on all registered farms. Biosecurity measures has also been integrated in this checklist. When a farm is found to be infected with one of the targeted serovars, the OV or auxiliary staff carry out a census on farm and also verify biosecurity measures. The result of such verification is not only important in prevention of spreading of disease but also affects compensation.

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

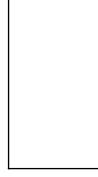
A description is provided of all costs for the authorities and society and the benefits for farmers and society in general

(max. 32000 chars) :

The costs to the poultry industry is very high especially since the local poultry industry often splits up one batch of birds in a number of small houses in very close proximity. These, according to EU legislation, have to be considered as separate flocks and therefore the costs are very heavy on the small operators. The programme is very costly and is a heavy burden on the local poultry industry for other reasons, like having to send samples abroad, if the operator would like to use a private lab. Even if a better quality product should increase sales, considering the capacity of the local market, the competition is very tough in comparison to other imported poultry products. The benefits lie in reducing the incidence of Salmonella infection in humans.

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

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



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: **2011***

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Region	Type of flock	Total number of flocks of (a)	Total number of flocks under the programme	Total number of animals 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
Malta/Gozo	Broiler flocks of C	798	2 932 479	2 932 479	2 932 479	587	salmonella enteritidis or	24	15	52 875	number	0	0	X
Total		798	2 932 479	2 932 479	2 932 479	587		24	15	52 875				
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.

6.2 Stratified data on surveillance and laboratory tests

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

Region	Test Type	Test Description	Number of samples tested	Number of positive samples
Malta/Gozo	serological test	Kaufmann-white serotyping	47	7
X				

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Malta/Gozo	microbiological test	ISO 6579(2002)	140	4	X
Malta/Gozo	other test	antimicrobial residue test	45	0	X
Malta/Gozo	other test	antimicrobial resistance	7	7	X
Total			239	18	
ADD A NEW ROW					

6.3 Data on infection for year: **2011**

Region	Number of herds infected	Number of animals infected
Malta/Gozo	24	65 192
Total	24	65 192
Add a new row		

6.4 Data on vaccination or treatment programmes for year: **2011**

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
Malta/Gozo	798	2 932 479	0	0	0	0
Total	798	2 932 479	0	0	0	0
Add a new row						

7. Targets

7.1 Targets related to testing (one table for each year of implementation)

7.1.1 Targets on diagnostic tests for year : **2013**

Region	Type of the test (description)	Target population (categories and species targeted)	Type of sample	Objective	Number of planned tests
Malta/Gozo	AMR/BIH tests	Broiler flocks of Gallus gallus	muscle	control of antimicrobial residues	35 X
Malta/Gozo	BACTERIOLOGICAL DETECTION TEST IN FRAME	Broiler flocks of Gallus gallus	Faeces	surveillance	120 X
Malta/Gozo	SEROTYPING IN THE FRAME OF OFFICIAL SAM	Broiler flocks of Gallus gallus	isolates	surveillance	35 X
Total					190
Total AMR/BIH tests					35
Total BACTERIOLOGICAL DETECTION TEST IN FRAME OF OFFICIAL SAMPLING					120
Total SEROTYPING IN THE FRAME OF OFFICIAL SAMPLING					35
Add a new row					

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7.1.2 Targets on testing of flocks for year:

2013

Region	Type of flock	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)
Malta/Gozo	Broiler flocks of	800	2 950 000	800	2 950 000	800	salmonella enteritidis	11	11	30 000	0	0
		800	2 950 000	800	2 950 000	800		11	11	30 000	00	00
Total												
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.

7.2 Targets on vaccination or treatment

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7.2.1 Targets on vaccination or treatment for year :

2013

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 doses of vaccine or treatment expected to be administered	
			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		
Malta/Gozo	0	0	0	0	0	0	X	
Total	0	0	0	0	0	0		
Add a new row								

8. Detailed analysis of the cost of the programme for year: **2013**

1. Testing						
Cost related to	Specification	Number of tests	Unitary cost in EUR	Total amount in EUR	Union funding requested	
Cost of analysis	AMR/BIH tests	35	5	175 yes		X
Cost of analysis	BACTERIOLOGICAL DETECTION TEST IN FRAMI	60	35	2100 yes		X
Cost of analysis	SEROTYPING IN THE FRAME OF OFFICIAL SAMI	35	30	1050 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 doses	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	30 000	2	60000 yes		X
				Add a new row		
4. Cleaning and disinfection						

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Cost related to	<u>Specification</u>	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested
CLEANING/DESINFECTION : VERIFICATION OF THE EFFICIENCY OF DESINFECTION	Test for verification of the efficiency of disinfection	60	5	300	yes
					X
5. Salaries (staff contracted for the programme only)					
Cost related to	<u>Specification</u>	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested
Salaries	Salaries	1	15600	15600	no
					X
					Add a new row
6. Consumables and specific equipment					
Cost related to	<u>Specification</u>	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested
Consumables and specific equipment	sampling consumable and fuel	0	0	0	no
					X
					Add a new row
7. Other costs					
Cost related to	<u>Specification</u>	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested
Other costs	nil	0	0	0	no
					X
					Add a new row
8. Cost of official sampling					
Cost related to	<u>Specification</u>	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested
Cost of official sampling	Cost of official sampling	20	0.5	10	yes
					X
					Add a new row

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Total	30 191	79225	
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Attachments

IMPORTANT :

- 1) The more files you attach, the longer it takes to upload them .
- 2) This attachment files should have one of the format listed here : **.zip, .jpg, .jpeg, .tiff, .tif, .xls, .doc, .bmp, .pna.**
- 3) The total file size of the attached files should not exceed 2 500Kb (+- 2.5 Mb) . You will receive a message while attaching when you try to load too much.
- 4) IT CAN TAKE **SEVERAL MINUTES TO UPLOAD** ALL THE ATTACHED FILES. Don't interrupt the uploading by closing the pdf and wait until you have received a Submission Number!
- 5) Zip files cannot be opened (by clicking on the Open button) . All other file formats can be opened.

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ANNEX II - PART A

General requirements for the national salmonella control programmes

Member state : MALTA

(a) State the aim of the program

(max. 32000 chars) :

To carry out a monitoring and control programme for Zoonotic Salmonella in laying flocks of Gallus gallus in accordance to Council Regulation 2160/2003 and Commission Regulation 1168/2006; to achieve a reduction of the prevalence of Salmonella enteritidis and Salmonella typhimurium. The flock prevalence in 2010 for the targeted serovars (Salmonella enteritidis/Salmonella typhimurium) is of 13.22%. The flock prevalence , has to reduce in the adult laying hens, in accordance to article 1 of the above mentioned Regulation.

Malta does not have comparable data to assess the progress in the reduction of these targeted serovars since during the baseline study of 2004 the isolates cultured had not been typed. In 2004, the overall prevalence of Salmonellosis was of 43.87%. In 2009 the Salmonella Control programme on production flocks of laying hens commenced. The programme could only start being implemented by mid-2009, owing to lack of human resources. All farms were tested twice by the end of the year. The overall flock prevalence of Salmonellosis in 2009 was of 25.6%.

(b) Animal population and phases of production which sampling 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

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- rearing flocks**
- day-old chicks
 - pullets two weeks before moving to laying phase or unit
- laying flocks**
- every 15 weeks during the laying phase

(c) Demonstrate the evidence...

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) :

All commercial egg-laying flocks of *Gallus gallus* registered with the competent authority are under the Salmonella National Control Programme. All registered and functioning farms will be tested irrespective of the capacity.

Malta and Gozo will be considered as one region for the purpose of the Salmonella Control Programme.

The total number of operational holdings to date is forty-one (41). These include holdings having less than 1000 birds.

Number of flocks: There are approximately 112 separate houses on the forty-one holdings. The number of houses in use can fluctuate. The close proximity of the houses within the same holding and family-run management is always a problematic issue in the biosecurity and is being constantly monitored and reminded by CA officials to the operators. Distinct and separate houses within the same holding are considered as a separate epidemiological unit and are sampled and analysed separately.

Flocks found to be infected with the targeted serovars (*Salmonella enteritidis* and *Salmonella typhimurium*) are placed under official restrictions and eggs originating from such flocks are not sold as fresh eggs but have to be either destroyed or heat-treated.

There is no heat-treating facility on the Island therefore if the business operator prefers to opt for heat-treatment; the eggs are sent to Italy to a heat-treating facility. The eggs are stored over a few days at the holding and not permitted to be moved from the premises. The eggs are sent to Italy, approximately twice weekly. Officials from the Competent Authority (CA) carry out regular (generally daily) on-site checks to verify the number of Class B eggs produced and that biosecurity measures are respected. All records of this census are kept at the CA. When the eggs are dispatched, an Intra-trade document is issued by the CA and signed by the Official Veterinarian.

If the operator decides to destroy the eggs, the eggs are stored on the premises over a number of days. Officials from the CA carry out regular (generally daily) on-site checks to verify the number of eggs stored. The eggs are then placed in approved leak-proof bins and transported in approved vehicles to the only Thermal facility Unit present on the Island for incineration. Loading into the bins and transport/arrival to the Thermal facility is carried out under the supervision of officials from the CA. Records from the

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Thermal facility are also kept at the CA and verified with the records obtained from the checks carried out on-farm.

When the infected flock are culled, officials from the CA carry out a census prior to culling. Once culled the birds are loaded in leak-proof bins and the same procedure as detailed above for the eggs is followed. The whole procedure is carried out under the supervision of the CA. All birds from an infected flock, when culled , are sent for incineration.

There are no breeding flocks on the island.

(d) Specification of following points :

(d)1. General

(d)1.1 A short summary referring to the occurrence

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 flock prevalence for the targeted serovars was of 13.22%. This is the starting point for Malta to assess progress in the reduction of the prevalence of the targeted serovars. In 2010 all flocks were tested repeatedly throughout the year. There were 53% of flocks infected with other Salmonella serovars. The data available previously was incomplete. and therefore not comparable.

During the baseline study carried out between October 2004 and September 2005. All farms registered and functioning within that period were sampled in accordance to the legislative requirements. The overall prevalence of Salmonellosis in the national layer farms was of 43.85%. Twenty-five (25) farms resulted positive out of a total of fifty-seven (57) farms. However the isolates were not typed and therefore there was no available information regarding the prevalence values of Salmonella serovars, primarily Salmonella typhimurium and Salmonella enteritidis.

In 2009 the Salmonella Control programme on production flocks of laying hens commenced. The programme could only start being implemented in mid-2009, owing to lack of human resources. All farms were tested twice until the end of the year. The overall prevalence of Salmonellosis was around 25.6%; Salmonella kentucky being by far the most commonly isolated serovar. However by the end of 2009 there were no positive flocks for the targeted serovars.

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(d)1.2 A short summary referring to the occurrence of the salmonella

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) :

There is only one Competent Authority being the Agriculture and Fisheries Regulation Department (AFRD) under the Ministry for Resources and Rural Affairs.

The Agriculture and Fisheries Regulation Division is made up of three Departments:

- Plant Health Department,
- Veterinary Regulation Department
- Fisheries Department

The Veterinary Regulation Directorate (VRD): is in charge of supervising, coordinating and implementing the Salmonella Control Programme. The Island of Malta is 350sqm and therefore there is only one central authority; all offices are situated in the same premises, with the exception of the Border Inspection post and of the office on the smaller Island of Gozo. The office on the Island of Gozo is only responsible of sampling the 6 layer farms on that Island.

The Veterinary Regulation Directorate: is made up of three sections:

- A) The National Veterinary Laboratory (NVL): responsible for the co-ordination and Implementation of the SNCP.
- B) The Animal Health & Welfare Section: which helps in the co-ordination of the sampling officers, in carrying out a census and supervising culling of flock and /or destruction of infected products.
- C) Safety of the Food Chain

A) The National Veterinary Laboratory:

(i) Principal veterinary officer in charge will be responsible for:

- appropriate training of personnel responsible for collecting the samples
- in charge of supervising that the programme is adhered to and that the samples are collected according to the programme.
- all necessary material needed for sampling eg. Boot swabs, sterile bags, etc are available.
- ensure that samples are analysed in accordance to time frame and methodology as laid down in the programme
- co-ordinate with Public Health Laboratory (NRL) for typing of positive isolates.
- reporting suspect positives / confirmed results to the Animal health section and CVO
- inform Director of Safety of the Food Chain or Veterinary Officer in charge of white meat slaughterhouse of any infected flocks
- collecting/ filing all relevant data and reporting of results.

B) Animal Health & Welfare Section:

(ii) Senior veterinary support officer in charge of the poultry section will be responsible for:

- co-ordinating sampling team
- making appointments with the farmers and preparing daily sampling schedules

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- collaborating with the principal veterinary officer i/c lab
- organizing on farm investigation in cases of suspect/confirmed positive results
- collaborate in census, movement restriction, eradication and disinfection measures
- collaborate in farm investigations in view of repopulation of farm

(iii) Assistant Veterinary Support Officers will be responsible for:

- Ensuring to follow appropriate training
- collecting and transporting samples appropriately
- deliver samples within 24 hours from collection to the laboratory
- ensure that accompanying documents are filled appropriately

(iv) Veterinary Officer responsible for by-products:

- is responsible of ensuring that biosecurity measures and provisions in Council Regulation 1174/2002 are adhered to during disposal of carcasses and products.

(v) Animal welfare officer:

- responsible for ensuring that animal welfare provisions are respected during culling of infected flocks.

C) Section for Safety of the Food Chain

(vi) Director is responsible for;

- informing the national contact person for the rapid alert system when necessary.

Chief Veterinary Officer

Following recommendations from principal veterinary officer i/c lab;

- Responsible for issuing restriction movement documents
- issuing of documentation for lifting restriction measures on a farm and /or permitting repopulation.

(d)1.3 A short summary referring to the occurrence of the salmonella

Approved laboratories where samples collected within the programme are analysed.

(max. 32000 chars) :

The National Veterinary Laboratory (NVL) of the VRD under the Ministry For Resources and Rural Affairs is responsible for the analysis of the samples up to biochemical identification collected under the

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framework of this programme.

It is important to note that the CA was also exclusively responsible for carrying out non-official sampling and analysis under the responsibility of the business operator, as laid down in Commission Regulation 1168/2006. This decision was taken in consideration of the limited capacity of the farms and that there are no private laboratories approved for Salmonella microbiological testing in Malta apart from the NRL.

However, business operators have been given the option to be trained in sampling techniques and carry out non-official samples. A course was organised by the CA in the beginning of 2011 and an attendance certificate was issued, however few are those operators who opted to sample their own flocks. The business operator can also choose to send non-official samples to an accredited laboratory abroad approved by the CA. A list has been drawn up by the CA of approved accredited Laboratories in Italy. Few have also started to send the non-official samples to an accredited private lab in Sicily approved by the CA. The business operator would have to pass a copy of all the results of non-official tests within one week from receipt. The CA would issue a written warning. If results of non-official sampling are not handed to the CA, this will lead to an official restriction on sale of egg products from the holding. The CA will also carry out a number of audits on documentation of the non-official sampling to verify compliance with the Regulation.

The National Veterinary Laboratory (NVL), to date, is not accredited however there is a quality assurance system in place in accordance to the requirements of current EN/ISO standards. The NVL has also begun the process of accreditation and has successfully participated in ring-trials organised by the VLA - UK. In 2010 the lab participated in four ring trials on simulated samples of poultry carcass, faecal, dust and chick-liner. In 2011 proficiency trials will also include feed simulated samples.

The National Reference Laboratory is the Public Health Laboratory which falls under a different Ministry from the CA (Ministry for Social Policy). The NRL is accredited according to ISO 17025 and carries out the typing of positive isolates.

The slaughter houses, processing plants and feedmills send the sampling from their HACCP programmes to local private laboratories, which are not yet accredited but have quality assurance systems in place.

The larger of the two hatcheries send samples for analysis of Salmonella to an accredited laboratory in Italy.

(d)1.4 Methods in examination

Methods used in the examination of the samples in the framework of the programme.

(max. 32000 chars) :

To majority of both official and non-official samples are collected by CA staff. The samples are brought to the National Veterinary Laboratory (NVL) within a few hours from collection,

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with the exception of samples from Gozo, which are delivered the next day and till such time kept refrigerated. However there are only six (6) layer farms on Gozo.

The samples are generally always analysed on the day of delivery. If a particular situation arises, at the latest, the samples will be examined within 48 hours from receipt and kept refrigerated until such time. Analysis of faecal, dust and environmental samples are carried out in accordance to Commission Regulation 1168/2006. The method of analysis used is that recommended by the Community Reference Laboratory for Salmonella, being the current version of draft Annex D of ISO 6579 (2002): "Detection of Salmonella spp. in animal faeces and in samples of primary production". The National Veterinary Laboratory carries out analysis until biochemical identification of the isolates. The positive isolates are then sent immediately to the Public Health Laboratory (just 15 minutes away) for serotyping. Serotyping is carried out following the Kaufmann-White scheme by the Public Health laboratory, who send results through e-mail & later by mail to the NVL.

(d)1.5 A short summary referring to the occurrence of the salmonellosis

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

(max. 32000 chars) :

Official controls at feed -level:

There are six larger feed mills. These import and produce the majority of feed supplied to local farms. The feed mills import premixes and concentrates from approved EU countries (predominantly UK). These are then mixed with other ingredients such as cereals and soya imported from EU and non-EU countries. A small number of farms carry out home mixing.

To date only two of the feed mills carry out their own sampling. (one sends the samples to a local laboratory and one sends samples abroad).

Official visits are now being carried out on all feed mills and also the home mixers. The large commercial companies have an HACCP programme in place and are visited at least once annually by CA officials. Documentation regarding auto-control checks are verified during official controls and an annual sampling programme has been set up whereby official samples are collected. .

In 2010, there were no positive samples for Salmonella isolation from the samples analysed under the national control programme on commercial feed mills.

Samples of feed are also collected from the all holdings at least once annually as part of the SNCP. The finished feed is sampled direct from farm. In cases when there is a positive isolation of Salmonella, CA officers return to the farm to investigate and resample. In cases of home mixing, the different components are sampled. i

Official controls at flock-level:

All registered and functioning egg-layer flocks on both Malta and Gozo are included in the national control programme, irrespective of the capacity.

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To date, the CA carries out the majority of sampling described in point 2 off the Annex of CR.EC 1168/2006, this means that the CA carries out both official and non-official sampling of layer farms.

Targeted age-groups:

Official Samples to be taken

(i) Pullets (from flocks housed in buildings where salmonella was detected in previous flock)

2 weeks prior to caged laying flocks:

Pullets usually enter into laying around 20 weeks, therefore the birds will be sampled around 18 weeks.

2x150g of naturally pooled faeces from belts

2 dust samples: (100g in 250ml) or 1 dust + 1 sample of 150g naturally pooled faeces.

1 bird tested for antimicrobial residue analysis

(ii) Laying hens: once during the laying period (on all flocks having at least 1,000 birds) and all other flocks on a holding where *Salmonella enteritidis* and *Salmonella typhimurium* were isolated:

2x150g of naturally pooled faeces from belts

2 dust samples: (100g in 250ml) or 1 dust + 1 naturally pooled faeces

1 bird tested for antibiotic residues

(d) 1.6 Measures

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) :

Council Regulation 2160/2003, Commission Regulation 1168/2006, Commission Regulation 1237/2007 and Commission Regulation 1177/2006 are directly applicable. Only those poultry flocks and their products found to be infected with *Salmonella enteritidis* (SE) and *Salmonella typhimurium* (ST), will be considered unfit for human consumption.

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FLOCK DEFINITION in programme:

All houses on a holding are sampled separately and are considered as an individual flock and are reported as an individual epidemiological unit.

In the frame of the SCP laying flocks of Gallus gallus the provisions of paragraph 1 and 2 (frequency of sampling) 4 (results and reporting) of Annex of Commission regulation (EC) No 1168/2006 (particularly provisions on exceptional cases) are implemented.

CONFIRMATORY SAMPLING has been taken , it generally occurs when only dust samples are positive and never in cases where flocks were source of human infection. The sample strategy and verification for use of antimicrobials was according to CR 1237/2007 Annex 1 D pt 4.

(I) MEASURES TAKEN IN CASES OF SALMONELLA TYPHIMURIUM AND SALMONELLA ENTERITIDIS POSITIVE FLOCKS:

- Official restriction notice issued by CVO to business operator.

Biosecurity measures will be strengthened to ensure that the infection does not spread between the different houses (if it is the case) and other holdings; such as, no movement of live animals, external disinfection of vehicles transporting products out of farm and proper disinfection of equipment used.

- The holding will be under constant vigilance of the competent authority and official sampling would be repeated every eight - ten weeks from any flocks not infected on the holding until not more than four months after the last infected flock is culled.

Eggs from infected flocks cannot be sold as fresh eggs, the eggs are either destroyed or sent for heat-treatment abroad. The Class B eggs have to be stored on the premises. CA officials carry out regular on-farm checks on the quantity of Class B eggs stored.

Culling of infected flocks and /or destruction of eggs.

CA officials supervise transport of carcasses to thermal unit . Records from thermal unit are double checked for weight reference according to census records of CA. Carcasses/products are transported in leak-proof bins and only by approved vehicles.

Lifting of restrictions and re-population permitted only once environmental samples result negative to Salmonella spp. isolation, after thorough cleaning and disinfection.

Official samples from new flocks housed where previously an SE/ST flock was kept will continue to be taken in accordance to CR (EC) 1168/2006 Annex pt 2 of for the one year after re-population.

VACCINATION

From 2011, vaccination of new flocks is mandatory. The CA has approved the use of two live vaccines that have to be used in accordance to the recommendations of the producer. to date only one of these is a registered vaccine under the veterinary medicinal products. Any point-of-lay pullets imported have to be certified as vaccinated with live vaccines approved by the CA..

In 2010, some operators administered live vaccines to their flocks but this was not carried out according to the recommendations of the producer and therefore not recorded with the CA.

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(II) IN CASES WHERE OTHER SALMONELLA SPP. ARE ISOLATED:

Operator is informed in writing.

- There will be no restrictions on the use of eggs.
- However, operator will be encouraged to review and strengthened biosecurity measures .

After the infected flock has reached end of production and has been slaughtered, thorough cleaning and disinfection procedures will be carried out. Re-population will be permitted on the holding or in a particular house only when environmental samples result negative to Salmonella spp. isolation.

(d)1.7 A short summary referring to the occurrence of the samonellos

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

(max. 32000 chars) :

IMPLEMENTATION

The Veterinary Service Act, Chapter 437, art 5.1, states that "the Minister may prescribe rules concerning the prevention and control of diseases".

Collection of information on Zoonosis and Zoonotic Agent Rules - LN 28/2005.

Council and Commission Regulations are directly applicable.

NOTIFICATION

The Veterinary Services Act, Chapter 437, art 35.1(f) provides for the obligation of notification of any suspicion of zoonosis or other disease or any other phenomenon or circumstances liable to present a serious threat to animal or public health..

FINANCIAL COMPENSATION

The Veterinary Service Act, Chapter 437, art 18.1 regards financial contribution in connection with national schemes for the eradication of particular diseases.

Collection of information on Zoonosis and Zoonotic Agent Rules - LN 28/2005 art 8.1. regulates financial contribution for zoonotic control programmes.

A National Legal Notice under the Veterinary Service Act regarding compensation rates for all poultry flocks under the Salmonella Control Programme been drafted but is still under discussion and public consultation.

Commission Regulations and Decisions are directly applicable in the Maltese National legal structure.

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(d)1.8 Financial assistance

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

(max. 32000 chars) :

A National Legal Notice is soon to be issued regarding compensation rates to be applied to the poultry flocks under the Salmonella Control programmes.

The valuation of birds will be calculated by the CA, in accordance to details listed in the Legal Notice. However, since compensation is not to exceed the current market value this can vary and that is why exact figures are not detailed in the legal notice since it takes too long to issue any changes. Notices with the precise figures can be issued under the LN, when it is in force. These notices can be issued in shorter time-frames to account for changes in the market value.

In 2010 the rates of compensation for laying hens were as follows:

Day-old chick €1.00

Point of lay hen (5 months) €3.50

12month hen €2.10

24 month hen €0.70

The final compensation rate was then calculated according to the actual age in days of the hens.

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

Concerning food and feed businesses covered by the programme

(d)2.1 Structure of the production

The structure of the production of the given species and products thereof.

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(max. 32000 chars) :

LOCAL SITUATION:

There are no parent stock flocks on the Islands of Malta and Gozo.

There are two registered hatcheries on the Island of Malta.

Hatching Regulations LN48 of 1997, lays down the provisions that regulate the national hatchery establishments.

Hatching eggs are imported from EU member states, primarily from France, Italy, Netherlands and Belgium. All consignments are imported with the official Intra Trade Certificate issued according to Council Directive 539/90. In 2010; 78,840 egg-laying hatching eggs were imported. This is a big drop from the average 200,000 hatching eggs annually imported in the past few years. Day-old chicks and layer pullets are also imported from EU countries , mainly Italy. In fact the number of layer pullets imported has double in 2010 (89,320). The egg-laying poultry industry has been on the decline these past few years. Five holdings have closed down during 2010 since flocks were found infected with the targeted serovars. Another issue that is affecting the industry is the introduction of enriched cages which is a heavy financial burden for the smaller holdings.

The hatcheries are legally obliged to the report to the VRD, as competent authority, the number of hatching eggs imported, submitting a copy of import/trade documents. The competent authority then prints out a "hatch report" which is passed on to the hatchery. This form is returned to the competent authority once the particular batch of eggs have been hatched and sold with the details of all the farms which are the destination of chicks sold.

The farmers can either sell the eggs produced directly to shops, supermarkets or egg-collectors, who in turn would deliver to shops / supermarkets. There is no central egg-packing plant . All farmers pack their own egg produce. The majority pack the eggs manually, only a few producers have automation for grading, stamping and packing.

Layer farms are registered in terms of the Egg Marketing Standard Regulations LN 345 of 2003 under Chapter 427 -The Product Safety Act . In accordance to this law each individual egg-laying farm is given a unique identity number that has to be printed on all the eggs produced on that farm and sold to shops, supermarkets or egg-collectors. This legislation excludes eggs sold directly to the consumer. The CA is responsible for issuing the unique identity number. Egg laying farms are therefore registered with the CA, whereby a unique registration number is given to the farm, following registration then the unique marking number for the eggs is issued.

Control at retail level falls under a different Ministry, the Ministry of Social Policy (Health).

Until 2010, operators were requested to send in monthly reports to the CA-Animal health Section . One of the reports involves details that include the daily production of eggs, number of live birds, number of deaths and quantity of feed consumed. The second report is a sales report where the farmer is declaring the quantity of eggs sold supported by fiscal receipts. Since 2011, all registered holdings have been given an official register with all the data requested as described above which has to be filled in by the operator. The register will be replaced every three years.

There are currently 41 operational layer farms . (6 are found on the island of Gozo)

Capacity of layer Holdings (as registered on the National Livestock Database)

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Over 70,000 -	1
50,000 -70,000 -	0
30,000 – 50,000 -	2
20,000-30,000 -	1
10,000 – 20,000 -	9
5,000 - 10,000 -	7
2,000 – 5,000 -	11
1,000 – 2,000-	2
500 – 1,000 -	3
Less than 500 -	5

STRUCTURE OF LAYER FARMS:

To date, there are no free-range farms and all the birds are kept in cages on more than one tier, usually up to a maximum of five tiers. All cage houses have manure belts.

The majority of farms operate on a first –in, first-out basis. Malta has a constant problem of space, so it is uncommon to find large houses. The vast majority of holdings are made up of a number of houses having small capacities. The houses are usually in close proximity of one another. The birds kept in one house are considered as an individual epidemiological unit in accordance to the Regulation.

NUMBER OF FLOCKS:

The number of houses that are used may vary slightly; however on the 41 holdings, taking in account the different houses; this amounts to a total of approx. 112 flocks on the Islands.

(d)2.2 Structure of the production of feed

The structure of the production of feed.

(max. 32000 chars) :

There are six commercial feed mills and a small number of home mixers. The commercial feed mills import and produce the majority of feed supplied to local farms. The feed mills import premixes and concentrates from approved EU countries (predominantly UK). These are mixed with other ingredients such as cereals and soya imported from EU and non-EU countries.

To date only two of the feed mills carry out their own sampling programme. (one carries out analysis locally and one sends the samples abroad).

Legal notice 374/2005 regulates the responsibility of feed mills.

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(d)2.3 Relevant guidelines

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

hygiene management at farms

(max. 32000 chars) :

The Community guidelines have been distributed to the farmers and a seminar was held in May 2010 to explain the relative legislation and hygiene practice. Emphasis was given to the correct use of vehicle disinfection pits. If a vehicle disinfection pit cannot be placed at the farm entrance, pressure washers are used on the wheels of visiting vehicles, especially the delivery trucks from feed mills.

It is difficult for the operator to change clothing if houses are just a few steps apart but the use of pans soaked with disinfectant outside each house is constantly being enforced and reminded by sampling staff which visit the farms on a very regular basis. Pest control (mice, rats and birds) is generally addressed through the use of nets on the windows, correct maintenance of building structures and the use of venom.

Almost all farms have automatic cleaning belts while few carry out the cleaning manually. Cleaning is usually carried out weekly. The faecal material falls into the pits where it is usually shoveled out into dumpers and taken to the manure clamp by van.

All farms producing manure have to store solid manure in an enclosed place known as the manure clamp, for six months a year (from the 15th October to 15th March). All farms are to have a leak proof cesspit, to collect foul water arising from cleaning etc. The manure clamp is to be connected to the cesspit. The water is kept for 15 days then collected by a bowser. These regulations serve to reduce the environmental pollution and the nitrate level in fields fertilised with manure. However, they may also provide a tool to permit biosecurity measures to limit spread of disease.

Since sampling is generally carried out by the CA officials, holdings are visited more than once annually. During such a visit, once a year, officials fill out a check-list regarding the biosecurity and welfare management of the holding. The hygiene management is also assessed following a positive isolation of SE or ST from a flock. A negative evaluation of biosecurity measures brings about a deduction in the compensation rates of the SNCP.

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(d)2.3.2 Relevant guidelines

measures to prevent incoming infections carried by animals, feed, drinking water, people working at farms

(max. 32000 chars) :

MEASURES FOR PREVENTING INFECTIONS:

Most holdings have pits for the disinfection of the vehicles entering or leaving the premises. No farm has separate entrances. It is recommended that as much as possible vehicles should not go into a farm. The use of a pressure -washer for the wheels is highly recommended.

The feed is bought fresh from the feed mills, even though there are those farms that also have their own silos. Due to the Island's high humidity levels, farmers are not in the habit of storing large quantities of feed to avoid the formation of yeasts and moulds. Feeds are usually kept in their bags within the sheds in a dark, dry corners. Other in-coming vehicles would be from the hatchery and when live pullets are brought in. The larger of the two hatcheries is also the importer of pullets. The operator have become very conscience of the risk of infection and are beginning to address the issue of the same vehicle moving amongst different farms.

The water-supply can be direct from the main government supply or from private bore holes. In the latter case, control of the water is purely voluntary; however this is not frequently carried out unless the family uses the water from the bore hole for their own personal use.

A high percentage of farms are small in capacity and are family-run, therefore few people would be responsible for the daily management of the animals. There is no legal obligation for people handling live animals to carry out medical checks. The larger holdings have employees.

Eggs are packed on farm, manually or automatically. The majority of business operators personally distribute the eggs to shops, supermarkets etc.; however there are a few who sell to third parties, who in turn distribute the produce.

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

hygiene in transporting animals to and from farms

(max. 32000 chars) :

In the layer industry, there is not much less movement of animals. There are no breeder flocks on the Islands and operators do not sell any live animals between themselves. Operators are aware of the risk of spread of infection via vehicles and are careful to disinfect their own vehicles, especially when going to places where other operators go.

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The main source of movement of animals to farms is when day-old chicks and pullets are brought to the farm. The vast majority are supplied by the larger of the two hatcheries and therefore the farmers have become aware of this problem as being a very possible source of infection. The correct use and replenishing of the disinfection pit, combined with the use of pressure-washers for the wheels of the vehicles is being observed.

In Malta, spent hens are not yet being slaughtered and utilised by the industry in any way. Spent birds are culled and destroyed. The farmers transport the spent hens to the Thermal facility in approved leak-proof bins.

(d)2.4 Routine veterinary supervision of farms

Routine veterinary supervision of farms

(max. 32000 chars) :

Routine veterinary inspection on farms:

According to national legislation, "The Veterinary Service Act, Chapter 437 of 2001, article 35 (f) states that "the owner, the keeper, the dealer or the importer, the consignee, the carrier, the retailer or any other person authorised under the provisions of this Act shall notify the veterinary services of any suspicion of zoonosis or other diseases or any other phenomenon or circumstances liable to present a serious threat to animal or public health." The Animal Welfare Act 439 regulates welfare issues.

Local farms being generally small in capacity, do not have their own private veterinarian visiting on a regular basis but only in case of necessity. One of the largest local feed mills provides free technical support. A lot of the farmers buying their feed from this feed mill make regular use of the technical personnel. If there is any cause for suspicion, the company's veterinarian is then called out. There is no delegation of official control of poultry in Malta.

Since the SNCP has been implemented, the vast majority of sampling under the framework of the legislation has been carried by the CA. Any official control is carried out by auxiliaries under the supervision of the OV, when the OV cannot perform himself the official control. From the beginning of the programme, the officers conduct an animal welfare check list at least once annually per registered farm. The check-list holds information regarding not only animal welfare issues but also details about biosecurity measures. Every check-list is a control document.

(d)2.5 Registration of farms

Registration of farms

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(max. 32000 chars) :

There are two Legal notices regulating registration of egg-laying farms. The Poultry Breeding Stock Regulations LN 50 of 1997 requires that any person breeding any poultry is obliged to hold a licence issued by the CA. The Egg Marking Standard Regulations LN 345/2003, on the other hand require that all eggs sold at retail level, excluding those sold directly to the consumers on farm, have to be marked by a unique identity number. This unique number that is printed on the eggs is correlated with the farm's unique registration number. The unique identity mark for eggs is issued by the competent authority, which is the VRD. Therefore all commercial egg-laying farms have to be registered with the CA for such an identity number to be issued. There is only one central CA and there are no regional offices owing to the size of the territory. Each registered farm is given a unique registration number. The registration number is made up of three or four letters and a three digit number. The letters indicate if it is a layer, broiler or mixed farm in Malta or Gozo eg. PLM stands for Poultry layer Malta, PLG - Poultry Layer Gozo while PBLM stands for Poultry Broiler Layer Malta. The licence of the registered farms is renewed annually by the CA. If no rearing was carried out on the farm for a period of 12 months, the licence is not renewed. All data relevant to the licensed egg-laying farms are kept on the National Livestock database of the CA. Details of the individual batch code number, number of different batches of birds, the size and date of hatch of each batch, results of the SNCP are all kept on the database. The batch code number also identifies if the birds were hatched locally or brought in as day-olds or as point of lay pullets. As from 2011, details of vaccination (identification of batch, type and batch number of vaccine) are to be included as well with all other farm records. As detailed in point 2.1, the egg-laying farms are also requested to send two monthly reports to the CA which are kept in the file of each relevant holding.

(d)2.6 Record keeping at farm

Record keeping at farms

(max. 32000 chars) :

The Egg Marketing Standard Regulation LN 345 of 2003 requires the licenced egg-laying business operators to keep a register with certain details regarding the flocks and production. This is tied up to the fact that the competent authority requests that each registered farm submits two monthly reports. One sheet holds all details of the production on farm. This report details the daily production of eggs, number of birds, number of deaths, quantity of feed used. The second report is a sales report where the farmer is declaring the quantity of eggs sold with proof of fiscal receipts. As stated in the LN, these records are to be kept for three years. Until 2010, the operator kept a book that was hand-filled. The CA has now issued a printed register with all the details that need to be filled in already printed on the top of each page. There is a page per month for a total of three years. This register is numbered. The Veterinary Service Act Cap.437 requires that records of medicinals and vaccination carried out also be kept on farm. When the sampling officers from the CA collect samples the operator signs the sampling record sheet that is then submitted to the laboratory. The results of samples taken under the framework of the SNCP are sent to the operators. The operator is being asked to also keep such results for a period of three years.

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(d)2.7 Documents to accompany animals when dispatched

Documents to accompany animals when dispatched

(max. 32000 chars) :

The capacity of local operators is too small and currently no operator holds the licence to rear poultry for breeding purposes. Export of birds or hatching eggs to any EU Member State is very rare, however, the ITAHC is issued in accordance to EU Directive 90/539/EC and Commission Regulation (EC) 2160/2003 article 9.1.

Issuing of all ITAHC falls under the responsibility of the CA, being the Veterinary Regulation Directorate (VRD) and as stated before, there is only one central office and no district offices. All activities under the responsibility of the CA are carried out at the same premises, with the exception of the BIP.

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

Other relevant measures to ensure the traceability of animals

(max. 32000 chars) :

Local legislation requires that the any company importing hatching eggs or live birds to be sold to commercial flocks is to submit submit a copy of the ITAHC to the poultry section of the CA. In the case of live birds (day-olds or point -to - lay pullets), the importer has to provide the list of farms where the birds were sold. The CA therefore has a record of the origin of hatching eggs and live birds with details of the establishment of origin, date of hatch and quantity. The CA issues a unique batch code number for the batch .The unique batch code no is made up of letters and numbers. The letters would indicate if the batch is point of lay (POL), day-olds (DOL) or hatched locally(PL). Then according to the number of farms where the birds are distributed, further numbers are added so that each batch received by an individual farm has a unique batch number that follows the birds till slaughter or culling. The letters and first numbers making up the batch code are tied up to the original batch number of birds hatched locally or imported. The CA issues a movement document for each group of the day-olds and pullets imported, sold to each individual farmer. In the case of imported hatching eggs, the CA issues a "hatch report" for each batch of eggs imported which is given to the hatchery. The hatchery then fills in the information and returns the hatch report to the competent authority once eggs are hatched. This "hatch report" includes, the batch code, the list of farms which are the destination of the chicks and quantities. On the hatch report received, the competent authority then issues a movement document with all relevant details which is given to the individual farm which has received the day-olds. As for the imported birds, a

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unique batch number is given by the CA to each single group of day-olds sold to each individual farm. This number is written on the movement document together with other details such as origin, date of hatch and quantities. This unique number ensures traceability. As from 2011, with vaccination being mandatory, the vaccination of live pullets imported has to be sustained with proof of vaccination with the approved vaccines according to the recommended procedure of the producer.

To date, spent hens are not used by the industry. The spent hens are therefore delivered to the Thermal Facility and recorded in line with procedures laid down for all animal by-products. A document is issued by the Thermal Unit, which includes details of the registered farm delivering the spent hens, unique batch number and the weight of carcasses. A copy of this document is passed on to the competent authority by the farmer, together with the original movement document on which the farmer records the final number of spent hens of that particular batch. The CA then records the date of culling of that particular batch on the National Livestock Database.

The farmer is legally obliged to keep all records for three years.

TRACES, also falls under the responsibility of the CA. It is localized at the Border Inspection Post and the authorised officials at the BIP have access to it. The BIP is the only office of the CA localized in a different area.

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ANNEX II - PART B

1. Identification of the programme

Disease Zoonotic Salmonella

Species: Laying flocks of Gallus gallus

Request of Community co-financing
for year:

2013

1.1 Contact

Name : Susan Chircop

Phone : +356.25905304

Fax. : +356.25905173

Email : susan.chircop@gov.mt

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) :

There is no extensive epidemiological evolution data available.

The first partial data on the occurrence of zoonotic salmonellosis in local egg-laying flocks comes from the baseline study carried out between October 2004 and September 2005. All farms registered and functioning within that period were sampled in accordance to the legislative requirements.

The overall prevalence of Salmonellosis in the national layer farms was of 43.85%. Twenty-five (25) farms resulted positive out of a total of fifty-seven (57) farms. However the isolates were not typed and therefore there was no available information regarding the prevalence values of Salmonella serovars, primarily Salmonella typhimurium and Salmonella enteritidis.

Until mid-2009, no monitoring or control was carried out on the local industry. In 2009 the Salmonella Control programme on production flocks of laying hens commenced. The programme could only start

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being implemented in mid-2009, owing to lack of human resources. All farms were tested twice until the end of the year. The overall prevalence of Salmonellosis was around 25.6%; *Salmonella kentucky* being by far the most commonly isolated serovar. By the end of 2009 there were no positive flocks for the targeted serovars.

2010, is the first year that a complete, regular and intense (all flocks tested irrespective of capacity) control programme has been carried out.

The flock prevalence for the targeted serovars was of 13.22%. This is the starting point for Malta to assess progress in the reduction of the prevalence of the targeted serovars. In 2010 all flocks were tested repeatedly throughout the year. There were 53% of flocks infected with other *Salmonella* serovars. The data available previously was incomplete, and therefore not comparable.

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 main objectives of this programme is to monitor and control all egg-laying flocks of *Gallus gallus* in Malta and Gozo, in accordance to Commission Regulation 2160/2003 for Zoonotic *Salmonella* spp. Flocks found infected with *Salmonella typhimurium* and *Salmonella enteritidis* will be put under restriction until eradicated and their products heat-treated or destroyed to achieve a reduction in the prevalence of these serotypes in the national flock, as indicated in Commission Regulation 1168/2006. The prevalence of *Salmonella enteritidis* and *Salmonella typhimurium* is 13.22%.

The target population would be all registered egg-laying flocks of *Gallus gallus*. Malta and Gozo will be considered as one region.

The target population would be all registered egg-laying flocks of *Gallus gallus*. Malta and Gozo will be considered as one region.

All registered and functioning farms will be tested. There are currently 41 holdings operational farms which are functioning.

Sampling / Testing:

The sampling scheme as elaborated in point d(1.5) includes both the official and operators programme, since, to date the CA took over most of the sampling delegated to the food business operator, as laid down in Commission Regulation 1168/2006. Few business operators have opted to carry out self-sampling and to send samples to other laboratories abroad.

The competent authority is also responsible for the national residue plan. If the results are positive to antimicrobial residue analysis without veterinary authorisation; the flock will be considered suspect of infection with *Salmonella enteritidis*/ *Salmonella typhimurium*, and an official investigation will be conducted.

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Definition of positive case;

1. Isolation of *Salmonella enteritidis* and / or *Salmonella typhimurium*..

At the beginning of implementation of the SNCP, the CA ran confirmatory sampling according to Part D, art.4 b of Commission Regulation (EC) No 1237/2007. Microbiological analysis was run in parallel with the Public Health Laboratory (National Reference Laboratory for *Salmonella*). This was mainly due to the fact that the NVL is not accredited and the programme had just began. Confirmatory sampling is carried out in line with the Regulation, never in cases where the flock was suspected as a cause of human cases and respecting the sampling modalities.

2.The flock would be considered infected with targeted serovars, if it concluded that there was use of antimicrobials was used as preventive measure.

Salmonella enteritidis / *S. typhimurium* positive flocks:

Restriction measures (no movement of birds & intensified biosecurity).

Eggs have to be heat-treated or destroyed.

Infected flock eventually culled .

Once house is empty , thorough cleaning and disinfection has to be carried out.

Restrictions lifted and re-stocking permitted only if environmental tests of house result negative for *Salmonellosis*.

Re-population in enriched cages with vaccinated flock.

Compensation : Legal notice to be still issued. However the actual current market price for eggs would not be exceeded.

Other *Salmonella* positive herds:

biosecurity measures reviewed.

eggs fit for human consumption.

Re-population permitted following negative environmental samples once house is emptied and cleaned.

Re-population in enriched cages with vaccinated flock.

Vaccination:

The CA is also responsible of the registration of veterinary drugs and vaccines. Only those live vaccines that can be bacteriologically detected from the live strain, will be permitted to be registered. From 2011, vaccination of new flocks is mandatory. The CA has approved the use of two live vaccines that have to be used in accordance to the recommendations of the producer. To date only one of these is a registered vaccine under the veterinary medicinal products. Any point-of-lay pullets imported have to be certified as vaccinated with live vaccines approved by the CA.

The vaccination has to be carried out under veterinary supervision and only those flocks with a veterinary certificate will be recorded on the National Database.

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4. Measures of the submitted programme

4.1 Summary of measures under the programme

Year of the programme : 2013

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

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) :

There is only one Competent Authority being the Agriculture and Fisheries Regulation Department (AFRD) under the Ministry for Resources and Rural Affairs.

The Agriculture and Fisheries Regulation Division is made up of three Departments:

- Plant Health Department,
- Veterinary Regulation Department
- Fisheries Department

The Veterinary Regulation Directorate (VRD): is in charge of supervising, coordinating and implementing the Salmonella Control Programme. The Island of Malta is 350sqm and therefore there is only one central

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authority; all offices are situated in the same premises, with the exception of the Border Inspection post and of the office on the smaller Island of Gozo. The office on the Island of Gozo is only responsible of sampling the 6 layer farms on that Island.

The Veterinary Regulation Directorate: is made up of three sections:

A) The National Veterinary Laboratory (NVL): responsible for the co-ordination and Implementation of the SNCP.

B) The Animal Health & Welfare Section: which helps in the co-ordination of the sampling officers, in carrying out a census and supervising culling of flock and /or destruction of infected products.

C) Safety of the Food Chain

A) The National Veterinary Laboratory:

(i) Principal veterinary officer in charge will be responsible for:

- appropriate training of personnel responsible for collecting the samples
- in charge of supervising that the programme is adhered to and that the samples are collected according to the programme.
- all necessary material needed for sampling eg. Boot swabs, sterile bags, etc are available.
- ensure that samples are analysed in accordance to time frame and methodology as laid down in the programme
- co-ordinate with Public Health Laboratory (NRL) for typing of positive isolates.
- reporting suspect positives / confirmed results to the Animal health section and CVO
- inform Director of Safety of the Food Chain or Veterinary Officer in charge of white meat slaughterhouse of any infected flocks
- collecting/ filing all relevant data and reporting of results.

B) Animal Health & Welfare Section:

(ii) Senior veterinary support officer in charge of the poultry section will be responsible for:

- co-ordinating sampling team
- making appointments with the farmers and preparing daily sampling schedules
- collaborating with the principal veterinary officer i/c lab
- organizing on farm investigation in cases of suspect/confirmed positive results
- collaborate in census, movement restriction, eradication and disinfection measures
- collaborate in farm investigations in view of repopulation of farm

(iii) Assistant Veterinary Support Officers will be responsible for:

- Ensuring to follow appropriate training
- collecting and transporting samples appropriately
- deliver samples within 24hours from collection to the laboratory
- ensure that accompanying documents are filled appropriately

(iv) Veterinary Officer responsible for by –products:

- is responsible of ensuring that biosecurity measures and provisions in Council Regulation 1174/2002 are adhered to during disposal of carcasses and products.

(v) Animal welfare officer:

- responsible for ensuring that animal welfare provisions are respected during culling of infected flocks.

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C) Section for Safety of the Food Chain

(vi) Director is responsible for;

- informing the national contact person for the rapid alert system when necessary.

Chief Veterinary Officer

Following recommendations from principal veterinary officer i/c lab;

- Responsible for issuing restriction movement documents
- issuing of documentation for lifting restriction measures on a farm and /or permitting repopulation.

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 Islands of Malta and Gozo are covered by this programme and are considered as one region. The CA administers the whole region.

Malta is approximately 360Km² being the larger of the two Islands. Gozo lies north of Malta and is much smaller, at less than half Malta`s surface area.

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) :

The Egg marketing Standard Regulations LN 345 of 2003 under Chapter 427 -The Product Safety Act. and the Poultry Breeding Stock Regulations LN 50of 1997 regulate the registration of layer holdings. Refer to Part A point 2.5

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4.4.2 Measures and applicable legislation as regards the identification of animals

Not applicable for poultry

(max. 32000 chars) :

N/A

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

(max. 32000 chars) :

The Veterinary Services Act, Chapter 437, art 35.1(f) provides for the obligation of notification of any suspicion of zoonosis or other disease or any other phenomenon or circumstances liable to present a serious threat to animal or public health.

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 provisions of the implementing legislation , Commission Regulation (EC) no: 1168/2006, in particular paragraph 1 and 2 (frequency and status of sampling) of the Annex will be observed, as explained previously. However, owing to the particular situation in Malta, very few farmers carry out self-checks. The CA carries out all status of sampling as detailed in paragraph 2.1 of the Annex.

The provisions on confirmatory sampling according to Annex 1 Part D, art.4 of Commission Regulation (EC) No 1237/2007 will be implemented. As already explained in Part A, point 3, confirmatory sampling was carried out in parallel with the Public Health Laboratory (NRL for Salmonella) in the beginning of implementation of the SNCP. Now that the programme is well underway, successful ring trials have been conducted and accreditation procedures are being pushed forward, confirmatory sampling will be implemented according to provisions of CR (EC) no. 1237/2007 to exclude false-positive results . The provisions in paragraph 4 of the annex ((results and reporting) are implemented. Reporting will be done of the flock numbers of the different status of sampling.

SALMONELLA ENTERITIDIS AND SALMONELLA TYPHIMURIUM POSITIVE FLOCKS:

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Restrictive/preventive measures will apply immediately on positive flocks, even when self-checks result positive .

- The owner of the infected holding or the owner's representative will be served with an official notice in writing issued by the CVO. The operator has 24 hours to communicate his decision , whether to cull infected flocks immediately or heat-treat eggs abroad for a certain period of time. Restrictions measures will apply with immediate effect. There is to be no movement of animals. The control of vehicles and strengthening of biosecurity measures is important of prevent spread of infection

The valuation of the animals on the holding will be carried out before they are killed. Mobile enclosed trailers or containers can be transported on site. Killing of the birds will be supervised by officials from the CA and the OV responsible for animal welfare has to ensure that welfare provisions are respected. All personnel involved in culling are required to wear protective clothing, gloves and nose/mouth masks.

- the carcasses and / or eggs will be disposed of through incineration at the Thermal Unit. There is only one public incinerator which falls under the administration of the Waste Serv. Ltd. The carcasses have to be transported in leak-proof containers supplied by Waste Serv and transported drip-proof in vehicles that must be disinfected externally before leaving the holding. Officials from the competent authority supervise the arrival of the containers and keep records of the weight
- Class B eggs have to be sent abroad for heat-treatment or destroyed. Eggs are stored on the premises and CA officials carry out practically daily census to verify amounts.
- Feeds will also be considered contaminated and once the flock is culled , any remaining feed has to be destroyed .

Cleaning and disinfection commences as soon as the animals have been killed and removed from the shed. Detailed procedures have been laid down in the guidelines distributed. Attention should be given to areas and equipment difficult to reach. Fans, drains, slats etc should not be neglected. After thorough cleaning (steam cleaning is recommended) fumigation is carried out.

- Environmental samples are taken and re-population will be permitted and all restriction bans lifted when there is a negative result to isolation of salmonella spp.

Re-population will only be permitted in enriched cages and with vaccinated pullets, if this is the case.

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

(max. 32000 chars) :

Commission Regulation (EC) No. 1168/2006 and Commission Regulation (EC) No. 1237/2007 are directly applicable.

A.) Salmonella enteritidis or Salmonella typhimurium infected flock:

1 Isolation of Salmonella enteritidis or Salmonella typhimurium from one of the samples taken from that flock

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2.The flock would be considered infected with targeted serovars, if it concluded that there was use of antimicrobials was used as preventive measure and no Salmonella spp. isolated from samples taken from that flock.

B.) Flock considered not infected by targeted serovars.

1. Flocks whereby no salmonella spp. isolated from all samples taken from the flock.
2. Salmonella spp. isolated from one or more of the samples taken from that flock but not salmonella enteritidis or Salmonella typhimurium.
3. Confirmatory sampling on a flock in accordance to CR 1237/2007 resulted in no isolation of Salmonella enteritidis or Salmonella typhimurium.

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) :

Control procedures.

When restriction measures are applicable to a holding:

- The official i/c poultry together with veterinary support officer/s from the poultry section of animal health will carry out an investigation on the farm and conduct a census to verify and update information held on the database of the CA regarding the different batches of birds present on the premises and the quantities of birds.

- No eggs, poultry carcasses, animal feed, material or waste may leave the holding without a written authorisation issued by an official veterinarian.

A census is carried out practically daily of the quantity of Class B eggs stored on the premises. These eggs may be destined for destruction or heat-treatment.

- Persons not directly involved in taking care of the animals are not permitted to enter buildings where infected flocks are kept.

- Appropriate means of disinfection, using a disinfectant officially approved as effective against Salmonella spp., is to be used at the entrances and exits of the building housing poultry and of the holding itself.

- Vehicles and equipment used for transport of animals or products have to be cleaned and disinfected with an officially approved disinfectant effective against Salmonella spp. immediately after the movement.

Disposal of manure from infected flock is carried out through incineration.

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When different flocks on the same holding are not infected, an intense and rigid application of biosecurity measures must be implemented.

Such as: different clothing, foot baths and separate water and feed systems .

Sampling of these flocks is carried out at a between an eight - ten week interval, to ensure free-status from infection of the targeted serovars.

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

(max. 32000 chars) :

Commission Regulation (EC) No 1177/2006 on the requirements for use of antimicrobials and vaccines in control programmes for poultry is directly applicable and is implemented.

Use of antimicrobials is not permitted as a preventive measure in controlling Salmonella infection. A sample for antimicrobial testing is lifted during every sampling session. One hen is taken from one of the flocks on the premises, chosen at random and tested at the NVL for presence of antimicrobial agents. A screening test is run using the six-plate test.

The CA has authorised the use of live vaccines that can be distinguished from the wild strain. By the end of 2010, vaccination on local flocks will start to be carried out. Previously vaccination against Salmonella was not conducted. Vaccination is mandatory. According to local legislation, vaccines are prescription drugs.

The use of vaccines administered will be integrated into the national livestock database of the CA. This database is managed by the Animal Health Section of the Veterinary Regulation Directorate. In accordance to local legislation the operators are obliged to keep records of vaccination programmes. Three courses of live vaccines will be given per flock .The first dose as day-olds, the second around 6 weeks and the third between 12-13 weeks of age.

The CALCULATION OF VACCINES for 2011 to be used was based on the number of imported hatching eggs and day-olds of 2009. Considering that vaccination will most probably be mandatory, and there would be a loss of 20% of hatching eggs. There is the tendency that smaller farms will probably close due to the economic burden of the SNCP and welfare issues. It was therefore being estimated that in 2011, around 150,000 birds will be vaccinated three times.

However in 2010, there was a sharp decline in the importation of layer hatching eggs from 235,000 in 2009 to 78,840 in 2010. Taking this in consideration, it will be probably around 80,000 birds vaccinated.

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

(max. 32000 chars) :

A Legal notice is soon to be in force under the Veterinary Services Act Chapter 437: titled "Measures for the Eradication of Salmonella Regulations, 2010" .

A National Legal Notice is soon to be issued regarding compensation rates to be applied to the poultry flocks under the Salmonella Control programmes.

The valuation of birds will be calculated by the CA, in accordance to details listed in the Legal Notice.

However, since compensation is not to exceed the current market value this can vary and that is why exact figures are not detailed in the legal notice since it takes too long to issue any changes. Notices with

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the precise figures can be issued under the LN, when it is in force. These notices can be issued in shorter time-frames to account for changes in the market value.

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

(max. 32000 chars) :

The Community guidelines are not available on line but the guidelines for laying hens was distributed to the farmers at a seminar held in May 2010. This seminar was held to explain the relative legislation and hygiene practices on farm. A concise and illustrated version is being compiled for clarity and easy reference. A DVD is also being produced. A veterinarian employed on contract with the Ministry has been carrying out on site-visits on all poultry farms in order to explain clearly and individually biosecurity measures and improvements each farmer can implement.

OV's and auxiliaries carrying out any official controls, make use of checklists in accordance to the requirements of Council regulation (EC) no: 882/2004

CA officials carry out a checklist for animal welfare issues annually on all registered farms. Biosecurity measures has also been integrated in this checklist. When a farm is found to be infected with one of the targeted serovars, the OV or auxiliary staff carry out a census on farm and also verify biosecurity measures. The result of such verification is not only important in prevention of spreading of disease but also affects compensation.

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

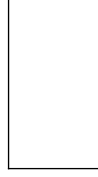
(max. 32000 chars) :

The poultry industry is quite heavily burdened by analysis. in consideration that most holdings are made up of a number of small houses, the number of samples collected will be greater than a larger farm with one or few houses having a much larger capacity. therefore even though locally holdings are small the economic impact of analysis is greater felt. The cost of analysis for the size of the local production is disproportionate . The smaller farms are already being discouraged , even because they are currently faced with having to upgrade to an enriched cage system. Eventually, in the long run, for the larger holdings that are able to take on the economic impact of the SNCP and also current welfare issues; the farmer will benefit from a reduction in costs of medicinals and farm management. They will see an increase in production and financial return also from the overall positive impact consumer confidence in local produce.

The costs on the authorities, apart from the sampling and testing, there is also increase in waste material. The cost of local produce will also increase.

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

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



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: **2011***

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Region	Type of flock	Total number of flocks of (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 channell ed to egg product)	Quantity of eggs channell ed to egg product
Malta and Gozo	Laying flocks of C	121	382 897	121	382 897	121	salmonella enteritidis or	16	10	59 973	number	107 220	number	3 416 586
Total		121	382 897	121	382 897	121		16	10	59 973				
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.

6.2 Stratified data on surveillance and laboratory tests

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

Region	Test Type	Test Description	Number of samples tested	Number of positive samples
Malta and Gozo	serological test	kaufmann-white serotyping	188	18
X				

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Malta and Gozo	microbiological test	ISO6579	464	10	X
Malta and Gozo	other test	six-plate inhibition test	42	0	X
Malta and Gozo	other test	AMR	18	18	X
Malta and Gozo	other test	to determine vaccine strain	8	0	X
6.3 Data on infection for year: 2011			720	46	
ADD A NEW ROW					

Region	Number of herds infected	Number of animals infected
Malta/Gozo	16	68 150 X
Total	16	68 150
Add a new row		

6.4 Data on vaccination or treatment programmes for year: 2011

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
Malta/Gozo	121	383 897	0	0	0	X
Total	121	383 897	0	0	0	
Add a new row						

7. Targets

7.1 Targets related to testing (one table for each year of implementation)

7.1.1 Targets on diagnostic tests for year : **2013**

Region	Type of the test (description)	Target population (categories and species targeted)	Type of sample	Objective	Number of planned tests	
Malta/Gozo	AMR/BIH tests	Laying flocks of Gallus gallus	muscle	use of antimicrobials	35	X
Malta/Gozo	BACTERIOLOGICAL DETECTION TEST IN FRAME	Laying flocks of Gallus gallus	Faeces / Dust	surveillance & monitoring of positive hc	320	X
Malta/Gozo	SEROTYPING IN THE FRAME OF OFFICIAL SAM	Laying flocks of Gallus gallus	isolate	surveillance	150	X
Malta/Gozo	AMR/BIH tests	Laying flocks of Gallus gallus	isolate	control of vaccination	10	X
Total					515	
Total AMR/BIH tests					45	
Total BACTERIOLOGICAL DETECTION TEST IN FRAME OF OFFICIAL SAMPLING					320	
Total SEROTYPING IN THE FRAME OF OFFICIAL SAMPLING					150	
Add a new row						

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7.1.2 Targets on testing of flocks for year:

2013

Region	Type of flock	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)
Malta/Gozo	Laying flocks of	112	320 000	112	320 000	112	salmonella enteritidis	11	14	39 000	60 000	2 000 000
		112	320 000	112	320 000	112		11	14	39 000	60 000	2 000 000
Total												
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.

7.2 Targets on vaccination or treatment

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7.2.1 Targets on vaccination or treatment for year :

2013

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 doses of vaccine or treatment expected to be administered	
			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		
Malta/Gozo	112	100 000	112	50	100 000	300 000	X	
Total	112	100 000	112	50	100 000	300 000		
					Add a new row			

8. Detailed analysis of the cost of the programme for year: 2013

1. Testing						
Cost related to	<u>Specification</u>	Number of tests	Unitary cost in EUR	Total amount in EUR	Union funding requested	
Cost of analysis	AMR/BIH tests	35	5	175 yes		X
Cost of analysis	BACTERIOLOGICAL DETECTION TEST IN FRAMI	265	35	9275 yes		X
Cost of analysis	SEROTYPING IN THE FRAME OF OFFICIAL SAMI	150	30	4500 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	<u>Specification</u>	Number of vaccine doses	Unitary cost in EUR	Total amount in EUR	Union funding requested	
Vaccination	Purchase of vaccine doses	300 000	0.05	15000 yes		X
				Add a new row		
3. Slaughter and destruction (without any salaries)						
Cost related to	<u>Specification</u>	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested	
Slaughter and destruction	Compensation of animals	39 000	1.2	46800 yes		X
Slaughter and destruction	Costs from treatment of animal products (hatching eg	39 000	0.07	2730 yes		X

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4. Cleaning and disinfection					
Cost related to	<u>Specification</u>	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested
CLEANING/DESINFECTION : VERIFICATION OF THE EFFICIENCY OF DESINFECTION	Test for verification of the efficiency of disinfection	55	35	1925	yes
Add a new row					
5. Salaries (staff contracted for the programme only)					
Cost related to	<u>Specification</u>	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested
Salaries	Salaries	1	15600	15600	no
Add a new row					
6. Consumables and specific equipment					
Cost related to	<u>Specification</u>	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested
Consumables and specific equipment	Consumables and specific equipment	1	0	0	no
Add a new row					
7. Other costs					
Cost related to	<u>Specification</u>	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested
Other costs	compensation for destroyed eggs	60 000	0.07	4200	yes
Other costs	compensation to bridge market price for treated eggs	2 000 000	0.05	100000	yes
Add a new row					
8. Cost of official sampling					

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Cost related to	<u>Specification</u>	Number of units	Unitary cost in EUR	Total amount in EUR	Union funding requested
Cost of official sampling	Cost of official sampling	166	0.5	83 yes	X
				Add a new row	
Total		2 438 507		200205	

Attachments

IMPORTANT :

- 1) The more files you attach, the longer it takes to upload them .
- 2) This attachment files should have one of the format listed here : [.zip](#), [.jpg](#), [.jpeg](#), [.tiff](#), [.tif](#), [.xls](#), [.doc](#), [.bmp](#), [.pna](#).
- 3) The total file size of the attached files should not exceed 2 500Kb (+- 2.5 Mb). You will receive a message while attaching when you try to load too much.
- 4) IT CAN TAKE **SEVERAL MINUTES TO UPLOAD** ALL THE ATTACHED FILES. Don't interrupt the uploading by closing the pdf and wait until you have received a Submission Number!
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