Appendix 1: *Campylobacter* Risk Management Strategy work programme

**Risk Management Framework**

The *Campylobacter* Risk Management work programme is based on application of the Risk Management Framework (see Figure 1) and includes the following parts:

- Identify the issue and its context/establish the evidence base;
- Identify risk management options/make the risk management decision;
- Implement risk management decision;
- Monitoring and evaluation;
- Risk Communication; and
- International Collaboration.

**Figure 1: The Risk Management Framework**
1.1 IDENTIFY ISSUE AND CONTEXT/ESTABLISH EVIDENCE BASE

1.1.1 Current work programme

Attribution studies

- Ongoing source pathway attribution of human campylobacteriosis (Manawatu sentinel site). Terms of Reference under review. **Completion date: April 2018.**
- Enhanced ruminant sampling to assist source pathway attribution (associated with above Manawatu study). **Completion date: April 2018.**

National case control study to validate food source attribution estimates generated from the last 10 years data. **Completion date: A decision from MPI is pending on the future shape of this project but it is hoped to continue in some form.**

Scientific evaluation

Risk assessment on potential imports of fresh poultry meat – imported food standard. **Completion date: August 2017**
- Further survey of raw drinking milk. **Completion date: under development.**
- Evaluation of the effect of exceeding the enumeration target (log 3.78) on human notification figures in an associated catchment area. **Completion date: 26 May 2017.**
- Evaluation of *Campylobacter* prevalence and enumeration of chicken pieces sold as petfood and often handled on the kitchen bench. **Proposal to be submitted for funding by end April 2017.**
- Risk modelling in relation to *Campylobacter* enumeration and prevalence reduction (poultry primary processing) and potential public health benefits (includes any new recommendations to risk managers). **Completion date: end June 2017.**
- Develop evidence base for *Campylobacter* contamination associated with secondary processing of chicken and retail to enable risk management options to be identified. **Completion date: pending and linked to secondary processors transitional period into Food Act 2014 ending June 2018.**

1.2 IDENTIFY RISK MANAGEMENT OPTIONS/MAKE THE RISK MANAGEMENT DECISION

1.2.1 Current work programme

- Revision of the Poultry Code of Practice including the incorporation of the troubleshooting guide. **Completion date: end of June 2017.**
- Revision of the NMD requirements in relation to findings of data analysis of Campylobacter Performance Target (CPT) and Prevalence Performance Target (PPT) results. **Completion date: pending completion of review of data under 1.4.1.**
- Review *Campylobacter* data in the NMD poultry programme to determine whether additional control measures are required for turkeys, ducks and end-of-lay chickens
(breeders and spent layer hens) to improve incidence and prevalence of Campylobacter. Completion date: March 2019 (depending on data collected).

1.3 IMPLEMENT RISK MANAGEMENT DECISION

1.3.1 Current work programme

- *Campylobacter* Response team activities as required for a *Campylobacter* Performance Target (CPT) non-compliance. **Completion date: Ongoing.**
- MPI to work with standard throughput poultry operators who do not meet the *Campylobacter* prevalence performance target associated with the KPI for poultry processors. **Completion date for KPI is December 2017.**
- Liaison with relevant food sectors during the implementation of the Food Act 2014. **Completion date: Ongoing.**
- Implement Regulated Control Scheme for Raw Drinking Milk Sales. **Completion date: Ongoing.**

1.4 MONITORING AND EVALUATION

1.4.1 Current work programme

- Review of human health surveillance data in relation to foodborne campylobacteriosis and the KPI2015-2020. **Completion date: Ongoing.**
- Review of NMD poultry programme results and trend analysis for poultry primary processors against CPT targets, including risk modelling of this data. **Completion date: December 2017.**
- Review of NMD poultry programme results and trend analysis for poultry primary processors against the PPT target of 30% or less for standard throughput premises. **Completion date: January 2018.**
- Review of *Campylobacter* data from ruminant studies. **Completed after receipt of Source attribution reports (see 1.1.1).**
- Review of raw drinking milk data post- 2016 implementation of RCS. **Completed in conjunction with ongoing reporting from the raw drinking milk monitoring and evaluation working group.**
- Quantifying hospitalisations and deaths for cases of notified campylobacteriosis infections in New Zealand associated with raw milk consumption and other exposures. **Completion date: under consideration.**
- Review of the Generic RMP Model for Poultry Primary Processing example of HACCP application for slaughter and dressing. **Completion date: December 2017**
- Review NMD *Campylobacter* data after 12 months implementation, for ducks, turkeys and other chickens. Year by year analysis for 2 years. **Completion date: March 2019 (See 1.2.1).**
- Review systems audits on poultry primary and secondary poultry processing (last 5 years) and determine any actions for follow up. **Completion date: end of June 2017.**
1.5 RISK COMMUNICATION

1.5.1 Current work programme

- MPI Communications consumer campaign encouraging safe behaviours (Cook. Clean. Chill). **Completion date: Ongoing.**
  Summer tactical campaign ran December – February 2017
- Food Act 2014 implementation for secondary processors. **Completion date: Ongoing in conjunction with transitional period.**
- Collaboration with Ministry of Health in relation to human campylobacteriosis trends. **Completion date: Ongoing.**

1.6 INTERNATIONAL COLLABORATION

1.6.1 Current work programme

- FSANZ/MPI work. Identifying and evaluation of options for the application of micro criteria, (considering Food Standards Code Std 1.6.1 and MPI requirements). **Completion date: June 2017.**
- Membership of the Scientific Committee of the Campylobacter, Helicobacter and Related Organisms Conference in Nantes (France). **Completion date: September 2017.**
- Attendance and presentation at the Campylobacter, Helicobacter and Related Organisms Conference in Nantes (France). **Completion date: September 2017.**