



# Maintenance of FMD Free Status in Brunei DARUSSALAM

Dr Diana Dennis, MSc, DVM & Dr Ak. Zharief Ahzha, DVM.

Head Of Livestock Industry, Veterinary Services & Veterinary Officer



PREVENTION ACTIVITIES TO MAINTAIN FMD FREE STATUS

## 1) National Ruminant Disease Surveillance Program

- Disease surveillance of notifiable and priority diseases in ruminants, inclusive of **Foot & Mouth Disease (FMD)**.
- The surveillance program covers diagnostically through serological testings and clinical signs observation of the ruminant population reared in Brunei Darussalam.
- Provides free veterinary consultation by the government veterinarians for the farmers with animal disease complaints during disease surveillance.

## 2) Lab Capacity (ISO/IEC:17025)

- Serology for NSP ELISA and RT-PCR for confirmatory testing.
- Facilities equipped with analyzer required for diagnostic testing eg. PCR, MiniON.

## 3) Importation and Border Control

- Stringent veterinary import conditions only allowing imports of live ruminants or meat products from FMD-free countries or zones.
- Visual health inspections upon arrival of animals at the border or control posts.
- On-site quarantine for newly imported animals in farms or holding yards with follow-up surveillance of clinical signs in the animals.

## 4) Awareness Campaign – diverse groups to engage with :

- Ruminant farmers, importers and stakeholders (holding yards, feedlots).
- For public as general info and awareness (traditional ruminant owners).
- Advocacy communication for top management and internal office (Livestock and Veterinary Staff and border control officers).

## 1) Chapter 254, Animal (Diseases and Quarantine) Act, 2021

- Includes disease notification requirements for listed notifiable diseases in animals which are mandatory to be reported (inclusive of FMD).
- Includes zoning, movement control, declaration of infected areas as well as disposal of diseased animal.

## 2) Simulation / Preparedness Exercises

- To maintain and continue multi-agency table-top exercises with relevant agencies for transboundary animal diseases (TADs):
  - i. Action Plan 1 – internal country disease preparedness;
  - ii. Action Plan 2 – transboundary with neighboring regions.

## 3) Vaccine procurement and stocking mechanism – as part of disease preparedness in the case of incursion.

### 1) Limited Manpower and Expertise

Solution - To undergo continuous self-analysis and evaluation of the current veterinary services (WOAH PVS and the National Bridging Workshop (NBW)).

- Structured training and competency programs for frontliners e.g. Livestock officers, veterinarians, para vets and staff at border control.

### 2) Lack of Awareness of FMD

Solution - Ongoing disease awareness campaigns, targeted seminars and one-to-one dialogues with farmers during disease surveillance (traditional farmers).

### 3) Emergency Response on Animal Disease needs to be updated.

Solution - Multi-institutional/agency response (inclusion of relevant institutions would add value).

- Partner countries sharing their experiences during outbreaks (real life experiences).
- Training-of-Trainers particularly in emergency disease response and conducting simulation exercises (multi-agency).

### 4) Surge Capacity

Solution – of SCAT tool in forecasting and planning capacity in labs.

PREPAREDNESS & CONTINGENCY PLANNING

CONSTRAINTS & SOLUTIONS

