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Health  
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Mundial  
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Animal  
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# Import of live pigs from Sarawak

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**Workshop to Strengthen Capacities of Veterinary Services to Facilitate Safer International Trade**  
**12 to 14 December 2023 Bangkok, Thailand**



# Presentation covers

- **Background**
- **SPS negotiation, requirements and implementation**
- **Compartmentalisation requirements and audits**
- **Animal welfare requirements and implementation**
- **Post arrival supply chain risk management**
- **Summary**



# Section: Background



# Background

- Singapore has no pig farms. Pork supply comes from imported frozen and chilled pork, and live pigs imported for slaughter.
- In 2017, Singapore approved the import of live pigs from a Pig Farming Area (PFA) located in Sarawak, East Malaysia. Pigs from PFA are transported by sea to Singapore.





# Section: SPS negotiation, requirements and implementation



# SPS Requirements

- **Pre-import**
  - **Accreditation by Singapore:**
    - Disease status of Sarawak (recognised by WOAHA as FMD-free)
    - Regulatory controls by competent authority (DVS Sarawak)
    - Farm biosecurity measures and surveillance programmes
  - **Import licence for every consignment (Singapore importer)**
- **At import**
  - **Each consignment accompanied by a Veterinary Health Certificate issued by DVS Sarawak**



## (B) Animal Health Declaration:

I, the undersigned official veterinarian hereby certify that:-

- Sarawak is free from Foot and Mouth Disease and Swine Vesicular Disease and Classical Swine Fever (CSF) for the last six (6) months prior to the date of export.
- The Pig Farming Area (PFA) in Pasir Putih, Simunjan, Samarahan Division, Sarawak has been designated as an African Swine Fever (ASF) – free compartment by Department of Veterinary Services Malaysia.
- The Pig Farming Area (PFA) in Pasir Putih, Simunjan, Samarahan Division Sarawak has been free from African Swine Fever (ASF) for the last six (6) months prior to the date of export.
- The animals originate from herds free from infection with Brucella.
- The animals originate from herds that have been tested negative for Nipah virus on a quarterly basis.
- The animals have been examined and found to be healthy and free from any clinical signs of any infectious/contagious disease or external parasites at the time of export, and have not been in contact with animals suffering from infectious or contagious diseases.
- The animals were not exposed to any source of Foot and Mouth Disease virus during transportation to the place of shipment.
- The animals had embarked or emplaned and had not called at any intermediate port after leaving Sarawak.
- No ruminant or pig were taken on board the ship after it has left Sarawak.
- No animal feed or bedding materials other than from Sarawak was taken on board the ship.
- The crates, trucks and shipping vessel used to transport pigs were satisfactorily cleaned and disinfected before use.
- The trucks and vessels used to transport the pigs have traveled directly to the destination; and the pigs were not exposed to any other pigs or ruminants during the journey.
- The pigs were not exposed to other pig or ruminants at the port of loading.
- The pigs were fed exclusively with feed obtained from the farm of origin during the shipping journey.



# Section: Compartmentalisation requirements and audits



# Compartmentalisation requirements and audits

- Annual audits to ensure that it continues to meet Singapore's import requirements
- Pig Farming Area (PFA) was recognized as ASF-free compartment
  - Import of live pigs able to continue despite ASF outbreaks in Sarawak
- Compartmentalisation assessment based on WOAH's guidelines:
  - Biosecurity measures implemented at PFA
  - Surveillance conducted in PFA and outside of PFA
  - Movement and traceability controls





# Section : Animal welfare requirements and implementation



# Animal Welfare

- **Animal welfare provisions from farm to arrival in Singapore**
  - Ensuring equipment (transport enclosures, water supply etc) are in good functioning order
  - Food and water provided during sea transport to Singapore
  - Ventilation and cooling measures onboard vessel
  - Euthanasia allowed for cases requiring emergency euthanasia
  - Refrain from using rough animal handling methods such as electrical prods and kicking





# Section : Post arrival supply chain risk management



# Post-arrival supply chain risk management

Checks done by SFA and AVS at the following points:

- Prior to arrival at Port
  - Virtual inspection via on-vessel CCTVs
  - Daily reporting of health status of consignment (e.g. mortality)
- Upon arrival at Port
  - Border inspection to ensure animals meet conditions in the veterinary health certificate
  - Once border inspection has passed, animals are approved for unloading from the sea vessel and transported to the abattoir for slaughter
  - Animals are detained for investigation if there is any suspicion of disease
- Slaughterhouse (Ante- and Post- Mortem inspections)
  - Routine surveillance for African Swine Fever virus, Nipah virus, Swine Influenza virus and Foot-and-Mouth Disease
  - Only healthy pigs allowed for slaughter. Samples will be taken if there is any suspicion of disease
  - Carcasses or organs with lesions will be condemned and not allowed to enter food chain





# Summary

## Multi-layered approach to facilitating safe trade of animals:

- **Pre-import:**
  - Accreditation inspections
  - Assurance of health status via mutually agreed health certificates
- **Import:**
  - Border inspection to detect diseased animals
- **Post import:**
  - Disease investigation and removal of diseased animals from the supply chain
  - Surveillance sampling
- **Compartmentalisation:**
  - Ensures the continued trade of healthy animals even when country health status changes, minimising disruptions to the supply chain



# Thank You

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