# **Disease-specific WOAH** Standards on ASF, focusing on trade - Overview

#### 22 November 2022 Webinar on WOAH standards, trade and ASF

#### **Charmaine Chng**

Scientific Coordinator for ASF and other swine diseases

World

Health



Organisation Organisation mondiale for Animal de la santé animale

Organización Mundial de Sanidad Animal





1) Overview of WOAH Standards for ASF: Terrestrial Code and Terrestrial Manual

2) Case definition

3) Prescribed diagnostic tests

4) ASF status

5) Zoning and compartmentalisation

# Agenda

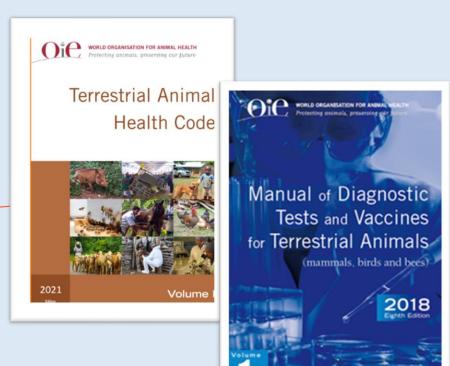
### Overview of WOAH Standards for ASF

### /Recap\

The WOAH develops and publishes standards related to its mandate:

- Codes: standards for improvement of animal health and welfare and veterinary public health, ensure safe trade
- Manuals: standards for diagnostic tests and vaccines

May be found on the WOAH website: https://www.woah.org/en/what-we-do/standards/





- ASF chapter in Terrestrial Code: Chapter 15.1. (last updated 2019)
- ASF chapter in Terrestrial Manual: Chapter 3.9.1. (last updated 2021)

#### Case definition for ASF

The following defines the occurrence of infection with ASFV:

1. ASFV has been isolated from samples from a suid;

#### or

2. antigen or nucleic acid specific to ASFV has been identified in samples from a suid showing clinical signs or pathological lesions suggestive of ASF or epidemiologically linked to a suspected or confirmed case of ASF, or from a suid giving cause for suspicion of previous association or contact with ASFV;

#### or

3. antibodies specific to ASFV have been detected in samples from a suid showing clinical signs or pathological lesions consistent with ASF, or epidemiologically linked to a suspected or confirmed case of ASF, or giving cause for suspicion of previous association or contact with ASFV.



### Case definition for ASF <sup>5</sup>

Suids include all varieties of Sus scrofa

(pig), both domestic and wild, and African

wild suid species including warthogs

(Phacochoerus spp.), bushpigs

(Potamochoerus spp.) and the giant forest

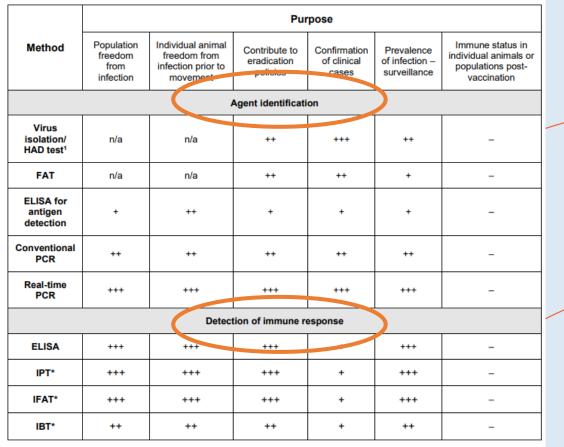
hog (Hylochoerus meinertzhageni).

#### Prescribed tests for ASF

#### **Chapter 3.9.1. of WOAH Terrestrial Manual**

#### **B. DIAGNOSTIC TECHNIQUES**

Table 1. Test methods available and their purpose



Key: +++ = recommended for this purpose; ++ recommended but has limitations; + = suitable in very limited circumstances; -= not appropriate for this purpose. HAD = haemadsorption; FAT= fluorescent antibody test; ELISA = enzyme-linked immunosorbent assay; PCR = polymerase chain reaction; IPT= indirect immunoperoxidase test; IFAT = indirect fluorescent antibody test; IBT = immunoblotting test. \*Recommended method as confirmatory serological test.

#### Resource: ASF Reference Laboratory Network

- Harmonize, standardize and validate ASF diagnostic assays
- Make available and facilitate the exchange reference material to be used for internal verification of ASF diagnostic assays
- Support national reference laboratories in relation to ASFV diagnostics by providing scientific and technical expertise
- Provide expertise and training to WOAH and WOAH Members on ASF diagnosis, surveillance and control

Details: <u>https://www.woah.org/en/what-we-offer/expertise-</u> network/reference-laboratories/



- In order to determine ASF status of a country, zone or compartment, requires the following (ref Article 15.1.3.)
  - Notifiable disease
  - Awareness programme
  - Biosecurity
  - Knowledge of domestic and captive wild pig herds, wild and feral pigs and African wild suids spp, distribution and habitat
  - Surveillance programme

#### () ASF status (2)

# Historical freedom

- No case for 25 years
- For at least past 10 years: notifiable dz, early warning system, measures to prevent introduction, movement in accordance with trade articles

### All suids

- No case for past 3 years (12 months if Ornithodorus ticks not involved)
- Surveillance programme 3 years
- Movement in accordance with trade articles

## Domestic and captive wild pigs

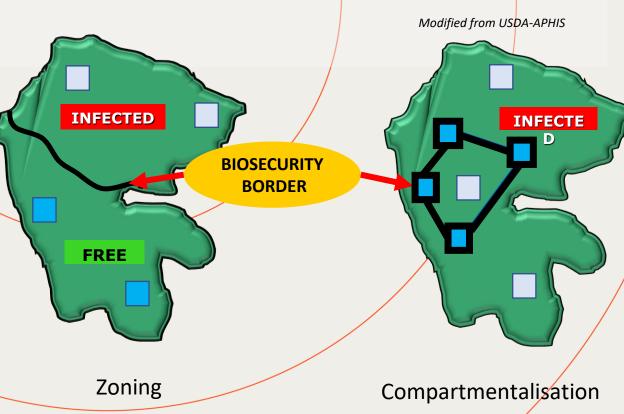
- Possible to have infection in feral/wild suids
- Same as for all suids, but no case of infection in domestic & captive wild pigs

#### Zoning and compartmentalisation

- WOAH standards: Veterinary Services, risk analysis, surveillance, certification etc
- Subpopulations of specific health status
- For trade and disease control

Compartmentalisation
defined primarily by
management and
husbandry practices
related to biosecurity

Implementation: Good risk management, including biosecurity plans



#### **Guidelines on compartmentalisation**

## Compartmentalisation guidelines for ASF



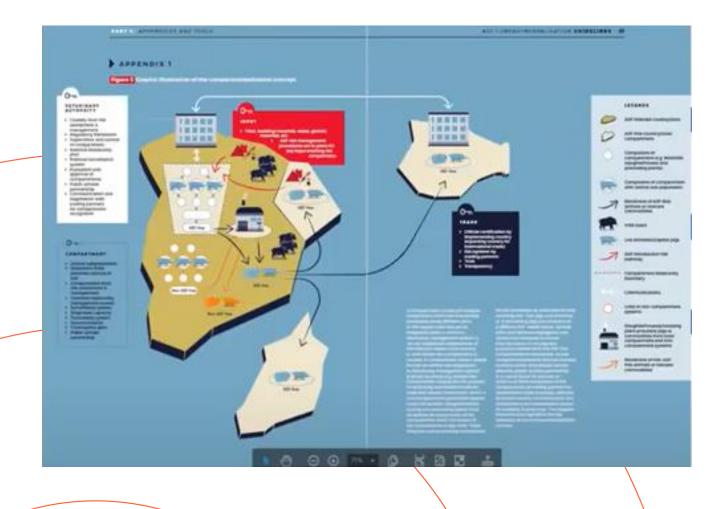
Tool to establish and maintain a swine compartment free from ASF for the purposes of facilitating safe national and international trade, and promoting disease prevention and control

For Veterinary Authorities, private sector, third parties and technical service providers

#### Organisation:

- Part 1: principles and implementation of compartmentalisation for ASF
- Part 2: appendices and tools
- Part 3: compartmentalisation
  as applied by Members

#### Guidelines on compartmentalisation (2)



- Outcome-based, not prescriptive
- Practical tools to aid implementation

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- Case studies
- Infographics

WHAT?



- WOAH standards offer science-based toolbox for risk mitigation and to ensure safe trade and business continuity
- ASF freedom may be established for all suids in the country/ zone or for domestic and captive wild only
- Zoning, compartmentalisation, commodity-risk management
- Guidelines on compartmentalisation available to support practical Implementation
   National Centre for Foreign Anima
   Disease
- Diagnostic support available from WOAH Reference Laboratories (2 NEW in the Americas region)

National Centre for Foreign Animal Disease Canadian Food Inspection Agency Contact: Dr Aruna Ambagala <u>Aruna.ambagala@canada.ca</u>

Foreign Animal Disease Diagnostic Laboratory Plum Island Animal Disease Center Contact: Dr Ping Wu Ping.wu@usda.gov

# Thank you

12, rue de Prony, 75017 Paris, France T. +33 (0)1 44 15 19 49 F. +33 (0)1 42 67 09 87

World

woah@woah.org www.woah.org

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