How to develop and test Disaster Management protocols/operating procedures

Session I Introduction

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18th January, 2024

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Organisation mondiale de la santé animale Organización Mundial de Sanidad Animal Fundada como OIE







Agenda

- 1. Protocol example process presentation- 30 minutes
 - Linear
 - Multiple branch-Risk Assessment Example
- 2. Group protocol development -75 minutes
- 3. Protocol testing/evaluation between groups-15 minutes
- 4. Protocol reporting/discussion 30 minutes

Title of presentation



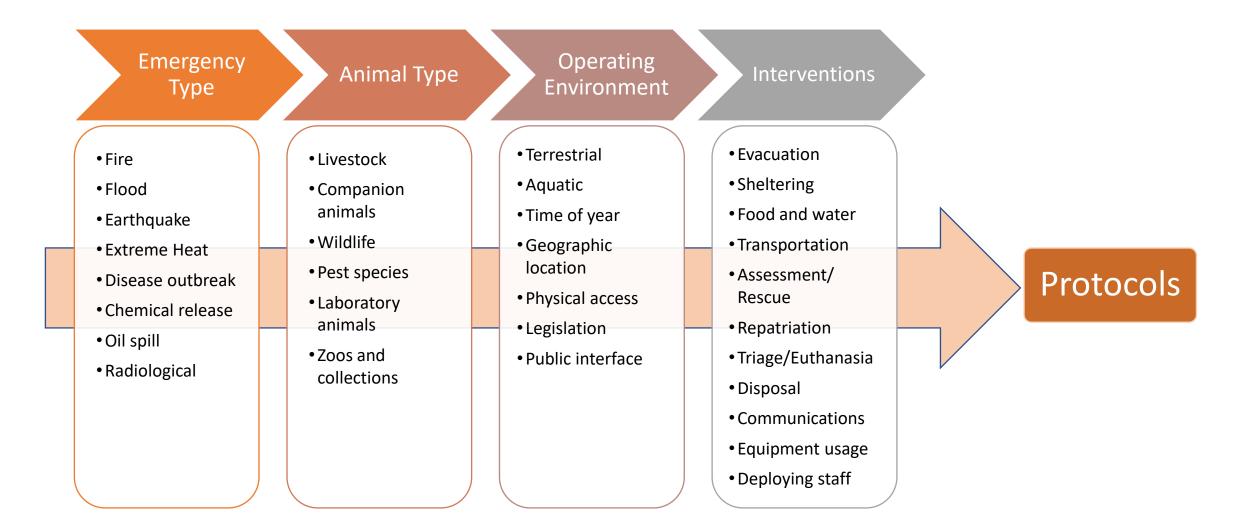
What is a protocol?

- A documented set of directions or steps on how a defined task should be preformed
 - Provides clear instruction
 - Often focused on safety
 - Have several clearly defined steps
- Sometimes called a Work Instruction (WI) or Standard Operating Procedure (SOP) or simply Operating Procedure (OP)
- Similar tasks will vary for different emergencies
- Developed when the activities to be undertaken are known and documented



Factors influencing protocols

Title of presentation







Emergency management documentation hierarchy

Jurisdictional Authority

Wildlife /Livestock/ Companion animals

Title of presentation

Legislation, regulations, Identification of lead agency



Fire, environment, rescue,



Tailored – for the emergency type, impacts, and interventions

Response Protocols

Policies, standard operating procedures, check lists, forms, guides, key messages

Training and accreditation

Varies based on emergency type, animal type, operating environment, interventions

Deployment and response

What, when, where, how



Q11 - Please indicate the species/types of animals your National Disaster Management and Risk Reduction plan covers.



Livestock 48 %



Companion Animal 35 %



Wildlife 19 %



Zoo and Aquatic 21 %



Laboratory
Animals 17 %



Others 10 %

Chapter title



Example: How to put on Personal Protective Equipment for responding to avian influenza

Work Instruction

Doc ID: WI-[insert ID number]

Date effective: [insert date]

History of changes

Ver	Approved	Effective	Summary of Changes	Owner	Approver
1.1	XX/XX/XXXX	XX/XX/XXXX	Update format		
1.0	13/11/2019	20/11/2019	New Document		







Purpose

1.Purpose

Here you write why you have this procedure.

For example, to protect the responder and to prevent contamination into other areas with zoonotic biologic agents.











2. Scope

Title of presentation

Here you write what the procedure includes:

For example, putting on PPE with N95 (or equivalent) mask for entering a possible zoonotic transboundary animal disease infected farm for evaluation.



2.1 Out of scope

Here you write down what is not covered:

For example, using a full-face respirator with air supply.



3. Resources Required

- 1. Protective full body suit or equivalent.
- 2. N-95 mask or equivalent.
- 3. Nitrile protective gloves
- 4. Eye protection
- 5. Boots-Calf high, waterproof, steel toed
- 6. Seam sealing tape
- 7. Glo germ-for testing
- 8. Ultraviolet light-for testing







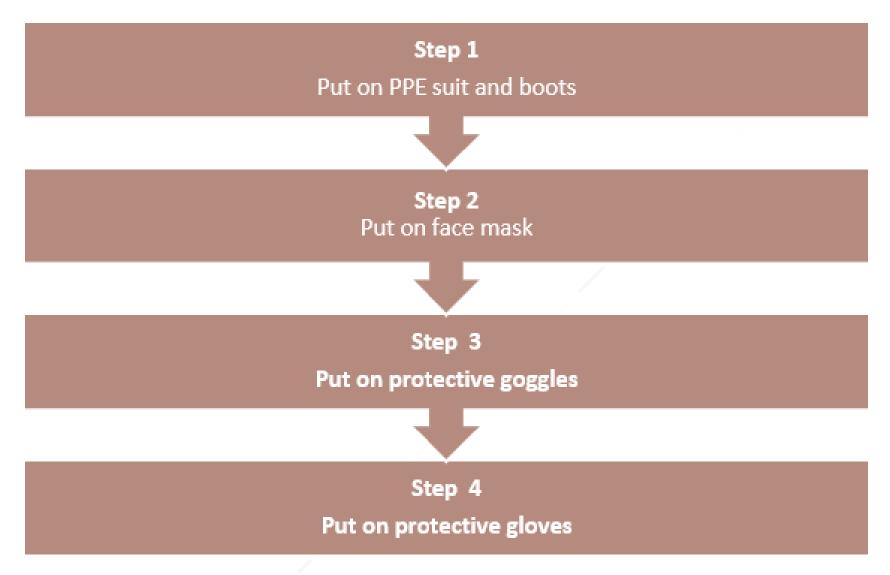
- 4.1 Process map
- **4.2 Process steps**

12

Date



4.1 Process map (linear)





4.2 Process Steps

Step 1 – Put on PPE suit and boots.

- 1. The sequence may depend on the type of boots and suit.
- 2. Ensure full coverage and sealing of openings.
- 3. Seal tape for security if required.



Step 2 – Put on face mask.

- 1. Secure ties of elastic bands at middle of head and neck.
- 2. Fit flexible band to nose bridge.
- 3. Fit snug to face and below chin.
- 4. Fit check mask.



Step 3 – Put on protective goggles.

- 1. Secure bands to head.
- 2. Fit to nose.
- 3. Fit check goggles.



Step 4 – Put on protective gloves.

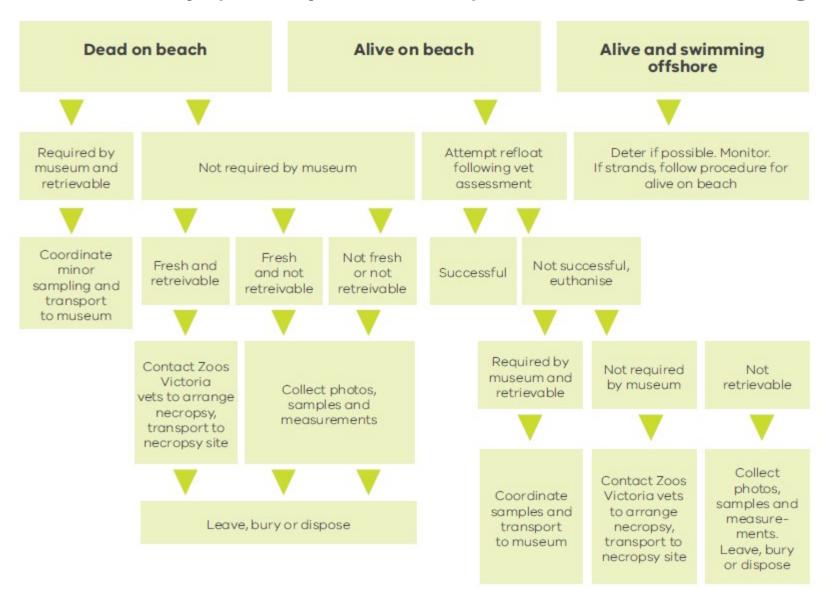
1. Pull gloves on snugly over hands.

Title of presentation

- 2. Pull cuffs snugly over suit.
- 3. Seal tape for security if required.



4.1 Process map (multiple branch) - cetacean stranding decision tree



Title of presentation

Note: Decision making on carcass management occurs with consultation with Traditional Owner groups





5.0 Other requirements

5.1 Training requirements

Train all required personnel in proper donning of PPE required for Avian Influenza work on premises. Test for coverage using glo germ and UV light. Document training, certification, re-certification, and just in time training.

5.2 Safety requirements

Ensure no allergies to materials. Ensure no phobias on PPE wear. Consider additional hazards requiring additional protection.

5.3 Testing and evaluation

Test protocol in exercise, evaluate for modifications, evaluate for effectiveness in events. Update Work Instruction as required





References and definitions 6.0

Dependencies-directly relate docs under the same SOP 6.1

DocID	Doc type	Document title
1.1.1	SOP	Removing PPE used in Avian Influenza activities
1.1.2	SOP	Disposing PPE used in Avian Influenza activities
1.1.3	SOP	Decontamination of personnel and equipment in Avian Influenza activities









Possible Protocol topics for Working Groups

Your topic will likely be a narrower subset of one of these topics.

- 1. Rescue, care and shelter of endangered/diplaced/lost/escaped farm animals, owned and free-roaming companion animals, zoo/exotic
- 2. Supply of drinking water
- 3. Procurement of animal feed and veterinary medicines
- **4. Management of animal products used for human consumption** in areas affected by disasters (I.e., milking)
- 5. Triage/emergency killing /euthanasia (I.e., sedation and anesthesia of cattle; use of Shermer gun and an electric killing and stunning; Pre-anesthetic status (Anamnesis, Physical examinations, Age, Breed, Experience of anesthetists, Client communications)
- 6. Pest control

Title of presentation

7. Depopulation at farm level in the absence of electric power and with limited number of people





Instruction for the group exercise

- Introduce yourselves
- Select a note taker and a rapporteur
- Identify a task requiring protocol
- Fill in the protocol template
- Exchange your protocol with another group to mutually assess the results
- Prepare to report and briefly discuss your protocol in plenary
- You can either do a task protocol like donning PPE or a decision protocol like the beached cetacean decision tree protocol.

"The goal is for the group to understand the process, not to produce a perfect protocol".

Thank you

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