



**USAID**  
FROM THE AMERICAN PEOPLE

# Animal Health Information System (AHIS) Phase 2

*Open ARIS REQUIREMENTS DOCUMENT  
VERSION 1.0*

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Submitted by  
**Systems Research and Applications Corporation  
and  
VIA Consulting Group, LLC**

VIA Consulting Group, LLC



A wholly owned subsidiary of  
**SRA International, Inc.**  
4300 Fair Lakes Court, Fairfax, VA 22033

1000 Peachtree Industrial Blvd.  
Suite 6 PMB 371, Suwanee GA 30024

## **1.0 BACKGROUND**

High pathogenic avian influenza (HPAI) cases have been documented in many countries across Africa. Given the proximity of the countries and transparency of the borders, the entire continent of Africa is therefore at high risk for extensive spread of HPAI. The United States Agency for International Development (USAID) has recognized this as a concern and is seeking to partner with the public and private sectors – in the U.S. and Africa – to take steps to mitigate the risk. Specifically, USAID proposes to build on an existing system and technology to develop and deploy an Animal Health Information System (AHIS).

## **2.0 GOALS AND OBJECTIVES**

The primary objective of this project is to build upon existing animal health tracking systems currently deployed in Africa, to develop an Open Source Software project led and supported by local and regional developers for field data collection, analysis, and reporting to assist in the active surveillance of HPAI and other animal health threats. The SRA Team will work in close collaboration with African Virtual Open Initiatives and Resources (AVOIR) as a source of technical expertise, International Livestock Research Institute (ILRI), the African Union's Interafrican Bureau for Animal Resources, World Organization for Animal Health (OIE), United Nation's Food and Agriculture Organization (FAO), and other African and international stakeholders and partner institutions to produce a production deployment of an AHIS in Ghana, Rwanda and Uganda, that can be sustained and adapted to address a variety of animal health data collection, analysis, and reporting needs.

## **3.0 PROJECT OVERVIEW**

## **4.0 SCOPE**

This document only focuses on Phase I of the AHIS project.

## **5.0 REQUIREMENTS**

No new requirement gathering has occurred. The changes in the data model design for OPEN ARIS have occurred in an attempt to simplify the data model design.

The requirements are instructions only for the developers and should not be viewed as requirements resulting from new interviews and meetings with the end-users. Phase I is broken down into two sections. The first section outlines the Web application requirements. The screens displayed in this section are only for referencing purposes. The second section outlines the field device requirements that must synchronize with the Web Application requirements.

## 6.0 DOCUMENT REVISION HISTORY

Version No.	Date	Author / Modified By	Change description
8.0		Jeff Street / Barbara Scarlette	<ul style="list-style-type: none"> <li>Added Passive Surveillance Report Data Export examples</li> </ul>
9.0	2/2/09	Barbara Scarlette	<ul style="list-style-type: none"> <li>Added Section 6.0 “Document Revision History” (Page 3)</li> <li>Updated Admin Screen Screenshot (Page 6)</li> <li>Added additional Admin Screen Requirements for the following (Pages 7, 8 and 42 – 55)                             <ul style="list-style-type: none"> <li>Disease Type Admin</li> <li>Test Admin</li> <li>Test Result Admin</li> <li>Sample Admin</li> <li>Species Admin</li> <li>Farming System Admin</li> <li>Vaccination History Admin</li> </ul> </li> <li>Added Active Surveillance Screen Shots (Page 79)</li> </ul>
10.0	2/12/09	Barbara Scarlette	<ul style="list-style-type: none"> <li>Included description of Navigation - Functionality and Usability (Page 8)</li> <li>Included description of Search functionality (Page 5 – Menu Bar and Paged 87 – 88)</li> </ul>
11.0	3/2/09	Barbara Scarlette	<ul style="list-style-type: none"> <li>Added screen shots and requirements for the following data entry screens starting at Page 90                             <ul style="list-style-type: none"> <li>Vaccine Inventory</li> <li>Animal Population Census</li> <li>Livestock Movement</li> <li>Livestock Import / Export</li> <li>Deworming</li> <li>Meat Inspection</li> <li>Slaughter</li> </ul> </li> </ul>
12.0	3/16/09	Barbara Scarlette	<p><b>Corrections Data Labels and Admin Screens Modifications</b></p> <ul style="list-style-type: none"> <li><b>Admin Screen</b> <ul style="list-style-type: none"> <li>Change the name of the “<b>Territory</b>” Admin Screen to “<b>Location</b>” Admin. The label for the first field on this screen called “<b>Territory</b>” should be changed to say “<b>Location</b>” (See Pages 6 and 13)</li> <li>Create a new “<b>Causative Type</b>” Admin Screen (Page 98)</li> </ul> </li> <li><b>Select Reporting Officer (See page 57)</b> <ul style="list-style-type: none"> <li>Change the “<b>District</b>” label to say “<b>Geo Level 2</b>”. Data from the ‘<b>Geo Layer 2</b>’ drop down is populated from the Geographical Layer 2 Admin Screen.</li> </ul> </li> <li><b>Passive Surveillance Main (see page 59)</b> <ul style="list-style-type: none"> <li>Change “<b>Territory</b>” label to say “<b>Geo Level 2</b>”. Data is carried over from the Reporting Officer Screen</li> </ul> </li> <li><b>Passive Surveillance Outbreak (see page 63)</b> <ul style="list-style-type: none"> <li>Change the “<b>Territory</b>” label to say “<b>Geo Level 2</b>”. This data is carried over from the Reporting Officer Screen</li> <li>The “<b>Location</b>” field should be a drop down selection and the data for this field will come from the “Location” Admin Screen</li> </ul> </li> </ul>

			<ul style="list-style-type: none"><li>○ The “<b>Disease</b>” field should be a <b>drop down</b> selection and the data for this field will come from the “Disease Type” Admin Screen on page 42</li><li>○ The “<b>Causative</b>” field should be a <b>drop down</b> selection and the data for this field will come from the “Causative Type” Admin Screen on page 42</li><li>• <b>Passive Surveillance Species (see page 63)</b><ul style="list-style-type: none"><li>○ Change the “<b>Territory</b>” label to say “<b>Geo Level 2</b>”. This data is carried over from the Reporting Officer Screen</li></ul></li><li>• <b>Passive Surveillance Vaccine (see page 70)</b><ul style="list-style-type: none"><li>○ Change the “<b>Territory</b>” label to say “<b>Geo Level 2</b>”. This data is carried over from the Reporting Officer Screen</li></ul></li></ul>

## 7.0 Passive Surveillance

### Scenario 1: Login Screen

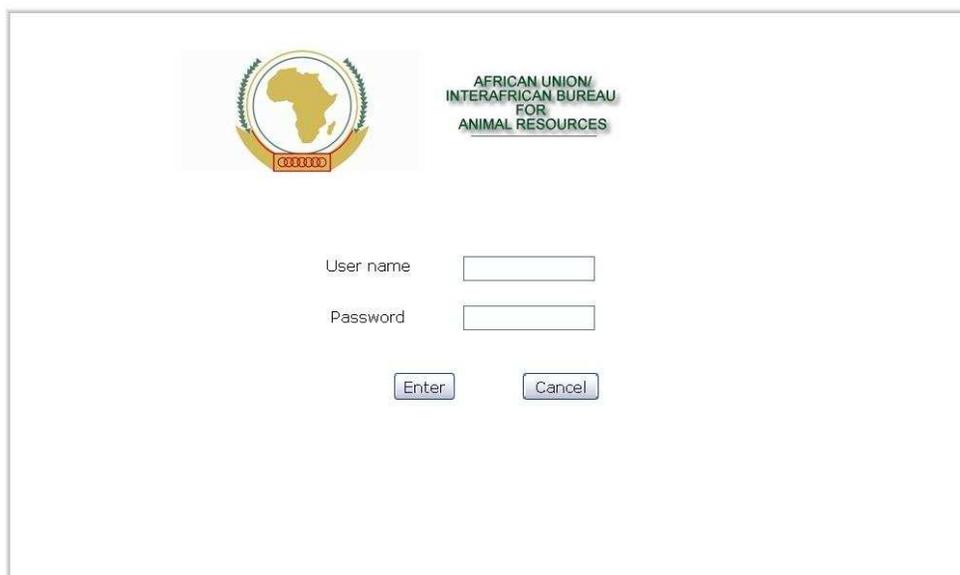


Figure 1.0 - Example of the login screen for OPEN ARIS Login Screen

Table 1.0 – Login Screen Requirements Definition

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
A_001	Login Screen			Create Label and Data Field for 'User Name'. The user name is the unique name that the user will create to log into the system. 'User Name' must be lowercase and letters must be displayed so that user can recognize the values being entered. If the user hits the "Tab" key, the cursor should move to the "Password" data field.
A_002	Login Screen			Create Label and Data Field for 'Password'. Password must be lowercase and values must not be recognized when entering. The value appearing should be an asterisk '*'

A_003	Login Screen	n/a	n/a	Create "ENTER" button for Login Screen. When clicked the user will be directed to the "Select Reporting Officer" screen.
A_006	Login Screen	n/a	n/a	Create "CANCEL" button for Login Screen. When clicked the process of attempting to login will be cancelled and the User ID and Password will be cleared from the screen.

**Table 1.1 - Login Screen Data Element Specs**

Req#	Requirement Referencing	Table Name	Column Name	Column ID	Data Type	Data Length	Nullable (Y/N)
A_001	Login Screen			1	CHAR	20	N
A_002	Login Screen			2	CHAR	20	N

**Menu Bar**

<b>Admin</b> 	<b>Data Entry</b> 	<b>View Reports</b> 	<b>Search</b> 
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Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
A_001	Menu Bar	n/a	n/a	A Menu Bar will be included on every screen which will allow the user to select from one of three functions: Admin, Data Entry, View Reports and Search. When the user selects Admin, this will navigate the user to the Administration Screen. When the user selects "Data Entry", this will take the user to the "Select Reporting Officer" screen. When the user selects "View Reports" this will take the user to the "View Reports" screen. When the user selects "Search" this will take the user to the "Search" screen.

**Menu Bar**

<b>Admin</b> 	<b>Data Entry</b> 	<b>View Reports</b> 	<b>Search</b> 
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**8.0 Administration Screen**

<u><b>Administration</b></u>		
<a href="#"><u>Create Employee</u></a>	<a href="#"><u>Create Production Type</u></a>	<a href="#"><u>Create Disease Type</u></a>
<a href="#"><u>Create Title Type</u></a>	<a href="#"><u>Create Control Measure Type</u></a>	<a href="#"><u>Create Test Type</u></a>
<a href="#"><u>Create Status Type</u></a>	<a href="#"><u>Create Basis for Diagnosis</u></a>	<a href="#"><u>Create Test Result Type</u></a>
<a href="#"><u>Create Report Selection Type</u></a>	<a href="#"><u>Create Geographical Layer 3</u></a>	<a href="#"><u>Create Sample Type</u></a>
<a href="#"><u>Create Outbreak Status Type</u></a>	<a href="#"><u>Create Geographical Layer 2</u></a>	<a href="#"><u>Create Survey Type</u></a>
<a href="#"><u>Create Report Quality Type</u></a>	<a href="#"><u><b>Create Location</b></u></a>	<a href="#"><u>Create Farming System</u></a>
<a href="#"><u>Create Age Group Type</u></a>	<a href="#"><u>Create Breed</u></a>	<a href="#"><u>Create Vaccination History</u></a>
<a href="#"><u>Create Sex Type</u></a>	<a href="#"><u>Create Species</u></a>	<a href="#"><u><b>Create Causative</b></u></a>

Req#	Requirement Referencing	Table Name	Column Name	Requirement Definition
	Administration Screen			This is an Administrative function and the Admin User must have the ability to create or modify <b>Employee</b> information stored in the reference tables. Upon click, user is navigated to the " <b>Create/Edit Employee</b> " screen.
	Administration Screen			This is an Administrative function and the Admin User must have the ability to create <b>Title Type</b> information stored in the reference tables. Upon click, user is navigated to the " <b>Title Type</b> " screen.

	Administration Screen			This is an Administrative function and the Admin User must have the ability to create <b>Status Type</b> information stored in the reference tables. Upon click, user is navigated to the “ <b>Create Status Type</b> ” screen.
Req#	Requirement Referencing	Table Name	Column Name	Requirement Definition
	Administration Screen			This is an Administrative function and the Admin User must have the ability to create <b>Report Selection Type</b> information stored in the reference tables. Upon click, user is navigated to the “ <b>Create Report Selection Type</b> ” screen.
	Administration Screen			This is an Administrative function and the Admin User must have the ability to create <b>Age Type</b> information stored in the reference tables. Upon click, user is navigated to the “ <b>Outbreak Status Type</b> ” screen.
	Administration Screen			This is an Administrative function and the Admin User must have the ability to create <b>Report Quality Type</b> information stored in the reference tables. Upon click, user is navigated to the “ <b>Create Report Quality Type</b> ” screen.
App-013	Administration Screen			This is an Administrative function and the Admin User must have the ability to create <b>Sex Type</b> information stored in the reference tables. Upon click, user is navigated to the “ <b>Create Sex Type</b> ” screen.
App-014	Administration Screen			This is an Administrative function and the Admin User must have the ability to create <b>Production Type</b> information stored in the reference tables. Upon click, user is navigated to the “ <b>Create Production Type</b> ” screen.
App-014	Administration Screen			This is an Administrative function and the Admin User must have the ability to create <b>Control Measure Type</b> information stored in the reference tables. Upon click, user is navigated to the “ <b>Create Control Measure</b> ” screen.
App-014	Administration Screen			This is an Administrative function and the Admin User must have the ability to create <b>Geography Segment Layer 3</b> information stored in the reference tables. Upon click, user is navigated to the “ <b>Create Geography Segment Layer 3</b> ” screen.
App-014	Administration Screen			This is an Administrative function and the Admin User must have the ability to create <b>Geography Segment Layer 2</b> information stored in the reference tables. Upon click, user is navigated to the “ <b>Geography Segment Layer 2</b> ” screen. Note: The Admin User must create <b>Geography Segment Layer 3</b> before being allowed to create <b>Geography Segment Layer 2</b> .
App-014	Administration Screen			This is an Administrative function and the Admin User must have the ability to create <b>Location</b> information stored in the reference tables. Upon click, user is navigated to the “ <b>Create Location</b> ” screen. Note: The Admin User must create <b>Geography Segment Layer 2</b> before being allowed to create a new <b>Location</b> .

				This is an Administrative function and the Admin User must have the ability to create <b>Disease Type</b> information stored in the reference tables. Upon click, user is navigated to the “ <b>Create Disease Type</b> ” screen.
				This is an Administrative function and the Admin User must have the ability to create <b>Test Type</b> information stored in the reference tables. Upon click, user is navigated to the “ <b>Create Test Type</b> ” screen.
				This is an Administrative function and the Admin User must have the ability to create <b>Test Result</b> information stored in the reference tables. Upon click, user is navigated to the “ <b>Create Test Result</b> ” screen.
				This is an Administrative function and the Admin User must have the ability to create <b>Sample Type</b> information stored in the reference tables. Upon click, user is navigated to the “ <b>Create Test Type</b> ” screen.
				This is an Administrative function and the Admin User must have the ability to create <b>Survey Type</b> information stored in the reference tables. Upon click, user is navigated to the “ <b>Create Survey Type</b> ” screen.
				This is an Administrative function and the Admin User must have the ability to create <b>Farming System</b> information stored in the reference tables. Upon click, user is navigated to the “ <b>Create Farming System Type</b> ” screen
				This is an Administrative function and the Admin User must have the ability to create <b>Vaccination History</b> Type information stored in the reference tables. Upon click, user is navigated to the “ <b>Create Vaccination History</b> ” screen
				This is an Administrative function and the Admin User must have the ability to create <b>Causative</b> Type information stored in the reference tables. Upon click, user is navigated to the “ <b>Create Causative</b> ” admin screen

**9.0 Navigation - Functionality and Usability**

Navigation Function	Navigation Action
Next Button	The <b>Next</b> button saves the data on the current screen before moving to the next screen Passive Surveillance Data Entry screen.
Back Button	The <b>Back</b> button shows the data that was entered on the previous Passive Surveillance Data Entry screen.
Clear Button	The <b>Clear</b> button erases all data except Reporting Officer, Outbreak Ref. No, Month, Year and Territory for Passive Surveillance Data Entry screens
Finish Button	Upon "Finish" a page displays that says “Data for Outbreak Reference Number xxxxxxxxxx has been successfully entered. Would you like to enter additional data?” If “Yes”, then go back to data entry fields. If “No” the return to home page.
User Navigation Display	Display user navigation in the upper left to reflect what the page that the user is on.

### Create Geography Segment Layer 3

Create Geography Segment Layer 3

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ID      Geography Segment Layer 3

		Add Edit Delete
		Add Edit Delete

Delete "Edit" and add "Close" Button

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
	Geography Segment Layer 3	Geography_Level3	Geography_Level3_Name	<p><b>[ADD]</b> This is an Administrator User function. When the user clicks "Add", the ID's will be generated by the system in sequential order. Create the Label and Data Field for "Geography_Layer 3_Name".</p> <p><b>[SEARCH]</b> Functionality should exist to allow the Administrator to search for existing Geography_Level3 records.</p> <p><b>[EDIT]</b> Edit functionality should not exist.</p> <p><b>[DELETE]</b> Administrator can search or scroll for a record. Once found the Administrator can click Delete, a pop up window will display the user will see another pop up indicating that "the action will place the record being edited in Inactive Status permanently.</p>

				<p>The user can either select “Proceed” or “Cancel”. Upon “Cancel” all pop-ups will close user will be returned to the “Geography Level 3” Screen. Upon “Proceed” a new record and ID reflecting the recent edits will be saved to the reference table.</p> <p><b>[SAVE]</b> Upon “Save” the data is stored in the reference table. <i>Note: Upon Save the system will check for identical Geography_Level3 Names. If an identical match is found then the user will be notified via a pop-up that an identical name exists. The user must change the name in order to create a new record.</i></p> <p><b>[CANCEL]</b> Upon “Cancel” all of the data on this screen is cleared and the user is returned to the Admin Screen.</p>
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Req#	Requirement Referencing	Table Name	Column Name	Column ID	Data Type	Data Length	Nullable (Y/N)
	Geography Segment Layer 3	Geography_Level3	Geo_Level3_Name				

### Create Geography Segment Layer 3

#### Create Geography Segment Layer 2

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ID	Geography Segment Layer 2	Geography Segment Layer 3	
<input type="text"/>	<input type="text"/>	Geography Layer 3 ▼	Add Edit Delete
<input type="text"/>	<input type="text"/>	Geography Layer 3 ▼	Add Edit Delete

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
A_001	Geography Segment Layer 2	Geography_Level2	Geo_Level2_Name	<p><b>[ADD]</b> This is an Administrator User function. When the user clicks “Add”, the ID’s will be generated by the system in sequential order. Create the Label and Data Field for “Geo_Layer2_Name”. NOTE: New names can not be added unless the Geography Level 3 reference table has been populated.</p> <p><b>[SEARCH]</b> Functionality should exist to allow the Administrator to search for existing Geography_Level2 records.</p> <p><b>[EDIT]</b> Administrator can search or scroll for a record. Once found the Administrator will select a Geo_Level2_Name to edit and hit “Edit”, a pop up window will display all existing Geo_Level2_Names and associated IDs. The pop up will close and a new ID will be generated by the system in sequential order for the updated Geo_Level2_Name, creating a new record. After the user hits “Save”, any edited Geo_Level2_Names will be closed and flagged “Inactive” in the table. A date stamp will be associated with the</p>

				<p>recently edited Geo_Level2_Name.</p> <p><b>[DELETE]</b> Upon “Delete”, a pop up window will display all existing Geography Level2 Names and associated IDs. The user will select a Geo_Level3_Name to delete and hit “Select”. Upon “Select” the user will see another pop up indicating that “the action will permanently delete the record?. On this screen the user can either select “Proceed” or “Cancel”. Upon “Cancel” all pop-ups will close user will be returned to the “Geography Level 2” Screen. Upon “Proceed” the record and ID of the selected Geography will be saved to the reference table and the user will be returned to the Admin Screen.</p> <p><b>[CANCEL]</b> Upon “Cancel” all of the data on this screen is cleared and the user is returned to the Geography_Level2 Screen.</p> <p><b>[Save]</b> Upon “Save” the data is stored in the table. Note: The system will also check for identical Geography_Level2 Names. If an identical match is found then the user will not be able to create a new record with that name and the user will be notified (via a pop-up) that the Geo_Level3_Name can not be created because an identical name already exists.</p> <p><b>[CLOSE]</b> The “Close” button returns the user to the Administration Screen</p>
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Req#	Requirement Referencing	Table Name	Column Name	Column ID	Data Type	Data Length	Nullable (Y/N)
	Geography Level 2	Geography_Level2	Geo_Level3_Name				
	Geography Level 2	Geography_Level2	Geo_Level2_Name				
	Geography Level 2	Geography_Level2	ID				

### Create Location

**Change Label to "Territory"**

**Change to "Create Location"**

~~Create Territory~~

~~Territory:~~

North Latitude  South Latitude

East Longitude  West Longitude

Area  Geography Layer 2

Unit Of Measure

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
A_001	<b>Create Location</b>	Address	TBD	Create Label and Data Field for 'Location'. If the user hits the "Tab" key, the cursor should move to the "North Latitude" data field.
A_001	<b>Create Location</b>	Address	TBD	Create Label and Data Field for 'North Latitude'. If the user hits the "Tab" key, the cursor should move to the "South Latitude" data field.
A_001	<b>Create Location</b>	Address	TBD	Create Label and Data Field for 'South Latitude'. If the user hits the "Tab" key, the cursor should move to the "East Latitude" data field.
A_001	<b>Create Location</b>	Address	TBD	Create Label and Data Field for 'East Latitude'. If the user hits the "Tab" key, the cursor should move to the "West Latitude" data field.
A_001	<b>Create Location</b>	Address	TBD	Create Label and Data Field for 'West Latitude'. If the user hits the "Tab" key, the cursor should move to the "Area" data field.
A_001	<b>Create Location</b>	Address	TBD	Create Label and Data Field for 'Area'. If the user hits the "Tab" key, the cursor should move to the "Geography Layer 2" data drop down
A_001	<b>Create Location</b>	Address	Geo_Leve2_Name	Create Label and Data Field for 'Area'. If the user hits the "Tab" key, the cursor should move to the "Geography Layer 2" data drop down: NOTE – Drop down is populated with Geo_Leve2_Names from the Geography_Leve2 Reference Table.

A_001	<b>Create Location</b>	Address	TBD	Create Label and Data Field for 'Unit of Measure'.
A_001	<b>Create Location</b>	n/a	n/a	Upon "Save" the data is stored in the Territory reference table and the user is returned to the Administration Screen.  Upon "Cancel" all of the data fields are cleared and the User is returned to the Administration Screen.

Req#	Requirement Referencing	Table Name	Column Name	Column ID	Data Type	Data Length	Nullable (Y/N)
	<b>Create Location</b>	Address	TBD	1			
	<b>Create Location</b>	Address	TBD	2			
	<b>Create Location</b>	Address	TBD	3			
	<b>Create Location</b>	Address	TBD	4			
	<b>Create Location</b>	Address	TBD	5			
	<b>Create Location</b>	Address	TBD	6			
	<b>Create Location</b>	Address	Geo_Leve2_Name	7			
	<b>Create Location</b>	Address	TBD	8			

### Create Species

#### Species

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Species  Code  Breed

Age Group

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
	Create Species	Species	Species_Name	Create Label and Data Field for “Species_Name” and drop down data field. A master value table must be created for Species to pre-enter this information
	Create Species	Species	TBD	Create Label and Data Field for “Code” and drop down data field. A master value table must be created to pre-enter this information. Note – Code Reference Tables must be created prior to entering Species data
	Create Species	Species	TBD	Create Label and Data Field for “Breed” and drop down data field. A master value table must be created to pre-enter this information: Note – Breed Reference Tables must be created prior to entering Species data
	Create Species	Species	TBD	Create Label and Data Field for “Age Group” and drop down data field. A master value table must be created to pre-enter this information. Note – Age Group Reference Tables must be created prior to entering Species data
	Create Species	n/a	n/a	Upon “Save” the data is stored in the Species reference table and the user is returned to the Administration Screen.  Upon ‘Cancel” all of the data fields are cleared and the User is returned to the Administration Screen.

	Create Species	n/a	ID	Species ID is a unique identifier created by the system in sequential order
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Req#	Requirement Referencing	Table Name	Column Name	Column ID	Data Type	Data Length	Nullable (Y/N)
	Create Species	Species	Species_Name	1			
	Create Species	Species	TBD	2			
	Create Species	Species	TBD	3			
	Create Species	Species	TBD	4			

## Create Breed

Breed

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ID	Breed	
		Add Edit Delete
		Add Edit Delete

Save
Close
Cancel

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
A_001	Create Breed	TBD	TBD	<p><b>[ADD]</b> This is an Administrator User function. When the user clicks “Add”, the ID’s will be generated by the system in sequential order. Create the Label and Data Field for Breed</p> <p><b>[SEARCH]</b> Functionality should exist to allow the Administrator to search for existing Breed records.</p> <p><b>[EDIT]</b> Administrator can search or scroll for a record. Once found the Administrator will select a Breed to edit and hit “Edit”, a pop up window will display all existing (BREED NAMES) and associated IDs. The pop up will close and a new ID will be generated by the system in sequential</p>

				<p>order for the updated (BREED NAME), creating a new record. After the user hits “Save”, any edited (BREED RECORDS) will be closed and flagged “Inactive” in the table. A date stamp will be associated with the recently edited (BREED RECORD).</p> <p><b>[DELETE]</b> Upon “Delete”, a pop up window will display all existing Breeds and associated IDs. The user will select a Breed Name to delete and hit “Select”. Upon “Select” the user will see another pop up indicating that “the action will permanently delete the record. On this screen the user can either select “Proceed” or “Cancel”. Upon “Cancel” all pop-ups will close user will be returned to the Breed Screen. Upon “Proceed” the record and ID of the selected Breed will be saved to the reference table and the user will be returned to the Admin Screen.</p> <p><b>[CANCEL]</b> Upon “Cancel” all of the data on this screen is cleared and the user is returned to the Breed Screen.</p> <p><b>[Save]</b> Upon “Save” the data is stored in the table. Note: The system will also check for identical BREED RECORDS. If an identical match is found then the user will not be able to create a new record with that name and the user will be notified (via a pop-up) that the Breed can not be created because an identical name already exists.</p> <p><b>[CLOSE]</b> The “Close” button returns the user to the Administration Screen</p>
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Req#	Requirement Referencing	Table Name	Column Name	Column ID	Data Type	Data Length	Nullable (Y/N)
A_001	Breed Screen	TBD					
A_001	Breed Screen	TBD	ID				

**Create Employee (add edit option?)**

### Create Employee

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Last Name       First Name   
 Title       Status       Date of Birth   
 Date Hired       Date of Retirement   
 Location   
 Department   
 ARIS User       Role   
 Username   
 Password       Confirm Password

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
	Create Employee Screen	EMPLOYEE	Last_Name	Create Label and Data Field for "Last Name"
	Create Employee Screen	EMPLOYEE	First_Name	Create Label and Data Field for "First Name"
	Create Employee Screen	EMPLOYEE	TBD	"Title" drop down is populated with data from the Title Reference Table. Title Table must be created before creating an employee
	Create Employee Screen	EMPLOYEE	TBD	"Status" drop down is populated with data from the Title Reference Table. Title Table must be created before creating an employee
	Create Employee Screen	EMPLOYEE	Date_of_Birth	Create Label and Data Field for "Date of Birth"
	Create Employee Screen	EMPLOYEE	Start_Date	Create Label and Data Field for "Date Hired"
	Create Employee	EMPLOYEE	Retire_Date	Create Label and Data Field for "Date of Retirement"

	Screen			
	Create Employee Screen	EMPLOYEE	TBD	“Location” drop down is populated with data from the Location Reference Table. Location Table must be created before creating an employee
	Create Employee Screen	EMPLOYEE	TBD	“Department” drop down is populated with data from the Department Reference Table. Department Table must be created before creating an employee
	Create Employee Screen	EMPLOYEE	Role_ID	“Role” drop down is populated with data from the Role Reference Table. Role Table must be created before creating an employee
	Create Employee Screen	EMPLOYEE	TBD	Create Label and Data Field “Aris User”
	Create Employee Screen	EMPLOYEE	TBD	Create Label and Data Field for “User Name”
	Create Employee Screen	EMPLOYEE	TBD	Create Label and Data Field for “Password”
	Create Employee Screen	EMPLOYEE	TBD	Create Label and Data Field for “Confirm Password”
				<p><b>[CANCEL]</b> Upon “Cancel” all of the data on this screen is cleared and the user is returned to the Admin Screen.</p> <p><b>[Save]</b> Upon “Save” the data is stored in the table. Note: The system will also check for identical EMPLOYEE RECORDS. If an identical match is found then the user will not be able to create a new record with that name and the user will be notified (via a pop-up) that the EMPLOYEE can not be created because an identical name already exists</p>

Req#	Requirement Referencing	Table Name	Column Name	Column ID	Data Type	Data Length	Nullable (Y/N)
	Create Employee Screen			1			
	Create Employee Screen			2			
	Create Employee Screen			3			

	Create Employee Screen			4			
	Create Employee Screen			5			
	Create Employee Screen			6			
	Create Employee Screen			7			
	Create Employee Screen			8			
	Create Employee Screen						
	Create Employee Screen						
	Create Employee Screen						
	Create Employee Screen						
	Create Employee Screen						
	Create Employee Screen						
	Create Employee Screen						
	Create Employee Screen						
	Create Employee Screen						

**Create Title**

Title

---

ID	Title	
		Add Edit Delete
		Add Edit Delete

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
	Create Title	Title	TBD	<p><b>[ADD]</b> This is an Administrator User function. When the user clicks “Add”, the ID’s will be generated by the system in sequential order. Create the Label and Data Field for Title</p> <p><b>[SEARCH]</b> Functionality should exist to allow the Administrator to search for existing Title records.</p> <p><b>[EDIT]</b> Administrator can search or scroll for a record. Once found the Administrator will select a Title to edit and hit “Edit”, a pop up window will display all existing Titles and associated IDs. The pop up will close and a new ID will be generated by the system in sequential order for the</p>

				<p>updated Title, creating a new record. After the user hits “Save”, any edited Title records will be closed and flagged “Inactive” in the table. A date stamp will be associated with the recently edited Title record.</p> <p><b>[DELETE]</b> Upon “Delete”, a pop up window will display all existing Title and associated IDs. The user will select a Title records to delete and hit “Select”. Upon “Select” the user will see another pop up indicating that “the action will permanently delete the record. On this screen the user can either select “Proceed” or “Cancel”. Upon “Cancel” all pop-ups will close user will be returned to the Title Screen. Upon “Proceed” the record and ID of the selected Title will be saved to the reference table and the user will be returned to the Admin Screen.</p> <p><b>[CANCEL]</b> Upon “Cancel” all of the data on this screen is cleared and the user is returned to the Title Screen.</p> <p><b>[Save]</b> Upon “Save” the data is stored in the table. Note: The system will also check for identical TITLE RECORDS. If an identical match is found then the user will not be able to create a new record with that name and the user will be notified (via a pop-up) that the Title can not be created because an identical name already exists.</p> <p><b>[CLOSE]</b> The “Close” button returns the user to the Administration Screen</p>
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**Title Screen: Data Element Specs**

Req#	Requirement Referencing	Table Name	Column Name	Column ID	Data Type	Data Length	Nullable (Y/N)
	Create Title	Title	TBD				
	Create Title	Title	TBD				

### Status

---

ID
Status

		Add
		Edit
		Delete

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
A_001	Create Status	Status	TBD	<p><b>[ADD]</b> This is an Administrator User function. When the user clicks "Add", the ID's will be generated by the system in sequential order. Create the Label and Data Field for STATUS</p> <p><b>[SEARCH]</b> Functionality should exist to allow the Administrator to search for existing STATUS records.</p> <p><b>[EDIT]</b> Administrator can search or scroll for a record. Once found the Administrator will select a STATUS to edit and hit "Edit", a pop up window will display all existing STATUS NAMES and associated IDs. The pop up will close and a new ID will be generated by the system in sequential order for the updated STATUS NAME, creating a new record. After the user hits "Save", any edited STATUS</p>

				<p>RECORDS will be closed and flagged “Inactive” in the table. A date stamp will be associated with the recently edited STATUS RECORD.</p> <p><b>[DELETE]</b> Upon “Delete”, a pop up window will display all existing STATUS and associated IDs. The user will select a STATUS NAME to delete and hit “Select”. Upon “Select” the user will see another pop up indicating that “the action will permanently delete the record. On this screen the user can either select “Proceed” or “Cancel”. Upon “Cancel” all pop-ups will close user will be returned to the Status Screen. Upon “Proceed” the record and ID of the selected STATUS will be saved to the reference table and the user will be returned to the Admin Screen.</p> <p><b>[CANCEL]</b> Upon “Cancel” all of the data on this screen is cleared and the user is returned to the Status Screen.</p> <p><b>[Save]</b> Upon “Save” the data is stored in the table. Note: The system will also check for identical STATUS RECORDS. If an identical match is found then the user will not be able to create a new record with that name and the user will be notified (via a pop-up) that the STATUS can not be created because an identical name already exists.</p> <p><b>[CLOSE]</b> The “Close” button returns the user to the Administration Screen</p>
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**Status Screen: Data Element Specs**

Req#	Requirement Referencing	Table Name	Column Name	Column ID	Data Type	Data Length	Nullable (Y/N)
	Create Status	Status	TBD				
	Create Status	Status	TBD				

### Report Type

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ID	Report Type	
		Add Edit Delete
		Add Edit Delete

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
	Create Report	Report_Type	Report_Name	<p><b>[ADD]</b> This is an Administrator User function. When the user clicks “Add”, the ID’s will be generated by the system in sequential order. Create the Label and Data Field for Report_Name. The date that Report_Name is created will be stored in the Create_Date field.</p> <p><b>[SEARCH]</b> Functionality should exist to allow the Administrator to search for existing Report_Name records.</p> <p><b>[EDIT]</b> Administrator can search or scroll for a record. Once found the Administrator will select a Report_Name to edit and hit “Edit”, a pop up window will display all existing Report_Name and associated IDs. The pop up will close and a new ID will be generated by the system in sequential order for the updated Report_Name, creating a new record.</p>

				<p>After the user hits “Save”, any edited REPORT RECORDS will be closed and flagged “Inactive” in the table. A date stamp will be associated with the recently edited REPORT TYPE RECORD and stored in the Create_Date field.</p> <p><b>[DELETE]</b> Upon “Delete”, a pop up window will display all existing Report_Names and associated IDs. The user will select a Report_Name to delete and hit “Select”. Upon “Select” the user will see another pop up indicating that “the action will permanently delete the record. On this screen the user can either select “Proceed” or “Cancel”. Upon “Cancel” all pop-ups will close user will be returned to the Report Screen. Upon “Proceed” the record and ID of the selected Report_Name will be saved to the reference table and the user will be returned to the Admin Screen.</p> <p><b>[CANCEL]</b> Upon “Cancel” all of the data on this screen is cleared and the user is returned to the Report Screen.</p> <p><b>[Save]</b> Upon “Save” the data is stored in the table. Note: The system will also check for identical REPORT TYPE RECORDS. If an identical match is found then the user will not be able to create a new record with that name and the user will be notified (via a pop-up) that the Report_Name can not be created because an identical name already exists.</p> <p><b>[CLOSE]</b> The “Close” button returns the user to the Administration Screen</p>
	Create Report	Report_Type	Create_Date	Create the Label and Data Field for Create_Date field. The date that a Report_Name record is created will be stored in the Create_Date field.

**Report Type Screen: Data Element Specs**

Req#	Requirement Referencing	Table Name	Column Name	Column ID	Data Type	Data Length	Nullable (Y/N)
	Create Report Type	Report_Type	Report_Name				
	Create Report Type	Report_Type	Create_Date				

**Create Outbreak Status Type**

Create Outbreak Status

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ID:                      Outbreak Status:

		Add Edit Delete
		Add Edit Delete

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
	Create Report	TBD	Outbreak_Status	<p><b>[ADD]</b> This is an Administrator User function. When the user clicks “Add”, the ID’s will be generated by the system in sequential order. Create the Label and Data Field for Outbreak_Status</p> <p><b>[SEARCH]</b> Functionality should exist to allow the Administrator to search for existing Outbreak_Status records.</p> <p><b>[EDIT]</b> Administrator can search or scroll for a record. Once found the Administrator will select an</p>

				<p>Outbreak_Status to edit and hit “Edit”, a pop up window will display all existing Outbreak_Status records and associated IDs. The pop up will close and a new ID will be generated by the system in sequential order for the updated Outbreak_Status, creating a new record. After the user hits “Save”, any edited Outbreak_Status Records will be closed and flagged “Inactive” in the table.</p> <p><b>[DELETE]</b> Upon “Delete”, a pop up window will display all existing Outbreak_Status and associated IDs. The user will select a Outbreak_Status to delete and hit “Select”. Upon “Select” the user will see another pop up indicating that “the action will permanently delete the record. On this screen the user can either select “Proceed” or “Cancel”. Upon “Cancel” all pop-ups will close user will be returned to the Create Outbreak Screen. Upon “Proceed” the record and ID of the selected Outbreak_Status will be saved to the reference table and the user will be returned to the Admin Screen.</p> <p><b>[CANCEL]</b> Upon “Cancel” all of the data on this screen is cleared and the user is returned to the Create Outbreak Status Screen.</p> <p><b>[Save]</b> Upon “Save” the data is stored in the table. Note: The system will also check for identical OUTBREAK STATUS RECORDS. If an identical match is found then the user will not be able to create a new record with that name and the user will be notified (via a pop-up) that the Outbreak_Status can not be created because an identical name already exists.</p> <p><b>[CLOSE]</b> The “Close” button returns the user to the Administration Screen</p>
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**Create Outbreak Status Screen: Data Element Specs**

Req#	Requirement Referencing	Table Name	Column Name	Column ID	Data Type	Data Length	Nullable (Y/N)
	Create Report Type	TBD	Outbreak_Status				

Create Report Quality Type

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ID
Report Quality

		Add Edit Delete  Add Edit Delete

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
	Create Report	TBD	Report Quality	<p><b>[ADD]</b> This is an Administrator User function. When the user clicks “Add”, the ID’s will be generated by the system in sequential order. Create the Label and Data Field for Report Quality</p> <p><b>[SEARCH]</b> Functionality should exist to allow the Administrator to search for existing Report Quality records.</p> <p><b>[EDIT]</b> Administrator can search or scroll for a record. Once found the Administrator will select a Report Quality record to edit and hit “Edit”, a pop up window will display all existing Report Quality records and associated IDs. The pop up will close and a new ID will be generated by the system in</p>

				<p>sequential order for the updated Report Quality type creating a new record. After the user hits “Save”, any edited Report Quality records will be closed and flagged “Inactive” in the table.</p> <p><b>[DELETE]</b> Upon “Delete”, a pop up window will display all existing Report Quality types and associated IDs. The user will select a Report Quality to delete and hit “Select”. Upon “Select” the user will see another pop up indicating that “the action will permanently delete the record. On this screen the user can either select “Proceed” or “Cancel”. Upon “Cancel” all pop-ups will close user will be returned to the Create Report Quality Screen. Upon “Proceed” the record and ID of the selected Report Quality Type will be saved to the reference table and the user will be returned to the Admin Screen.</p> <p><b>[CANCEL]</b> Upon “Cancel” all of the data on this screen is cleared and the user is returned to the Create Report Quality Screen.</p> <p><b>[Save]</b> Upon “Save” the data is stored in the table. Note: The system will also check for identical Report Quality Records. If an identical match is found then the user will not be able to create a new record with that name and the user will be notified (via a pop-up) that the Report Quality Type can not be created because an identical name already exists.</p> <p><b>[CLOSE]</b> The “Close” button returns the user to the Administration Screen</p>
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**Create Report Quality Type Screen: Data Element Specs**

Req#	Requirement Referencing	Table Name	Column Name	Column ID	Data Type	Data Length	Nullable (Y/N)
	Create Report Quality Type	TBD	Report Quality				

### Create Age Group Type

#### Create Age Group Type

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ID	Age Group	
		Add Edit Delete
		Add Edit Delete
		Add Edit Delete

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
	Create Age Group Type Screen	TBD	Age Group	<p><b>[ADD]</b> This is an Administrator User function. When the user clicks “Add”, the ID’s will be generated by the system in sequential order. Create the Label and Data Field for Age Group.</p> <p><b>[SEARCH]</b> Functionality should exist to allow the Administrator to search for existing Age Group type records.</p> <p><b>[EDIT]</b> Administrator can search or scroll for a record. Once found the Administrator will select a Age Group record to edit and hit “Edit”, a pop up window will display all existing Age Group records and associated IDs. The pop up will close and a new ID will be generated by the system in</p>

				<p>sequential order for the updated Age Group type creating a new record. After the user hits “Save”, any edited Age Group records will be closed and flagged “Inactive” in the table.</p> <p><b>[DELETE]</b> Upon “Delete”, a pop up window will display all existing Age Group types and associated IDs. The user will select an Age Group type to delete and hit “Select”. Upon “Select” the user will see another pop up indicating that “the action will permanently delete the record. On this screen the user can either select “Proceed” or “Cancel”. Upon “Cancel” all pop-ups will close user will be returned to the Create Age Group Type Screen. Upon “Proceed” the record and ID of the selected Age Group Type will be saved to the reference table and the user will be returned to the Admin Screen.</p> <p><b>[CANCEL]</b> Upon “Cancel” all of the data on this screen is cleared and the user is returned to the Create Age Group Type Screen.</p> <p><b>[Save]</b> Upon “Save” the data is stored in the table. Note: The system will also check for identical Age Group Type records. If an identical match is found then the user will not be able to create a new record with that name and the user will be notified (via a pop-up) that the Age Group Type can not be created because an identical name already exists.</p> <p><b>[CLOSE]</b> The “Close” button returns the user to the Administration Screen</p>
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**Create Age Group Type Screen: Data Element Specs**

Req#	Requirement Referencing	Table Name	Column Name	Column ID	Data Type	Data Length	Nullable (Y/N)
	Create Age Group Type	TBD	Age Group				

**Create Sex Type**

### Create Sex Type

---

ID	Sex	
		Add Edit Delete
		Add Edit Delete

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
	Create Sex Type Screen	TBD	Sex	<p><b>[ADD]</b>                      This is an Administrator User function. When the user clicks “Add”, the ID’s will be generated by the system in sequential order. Create the Label and Data Field for Sex.</p> <p><b>[SEARCH]</b>                      Functionality should exist to allow the Administrator to search for existing Sex type records.</p> <p><b>[EDIT]</b>                      Administrator can search or scroll for a record. Once found the Administrator will select a Sex type record to edit and hit “Edit”, a pop up window will display all existing Sex Type records and associated IDs. The pop up will close and a new ID will be generated by the system in sequential</p>

				<p>order for the updated Sex Type creating a new record. After the user hits “Save”, any edited Age Group records will be closed and flagged “Inactive” in the table.</p> <p><b>[DELETE]</b> Upon “Delete”, a pop up window will display all existing Sex Types and associated IDs. The user will select a Sex Type to delete and hit “Select”. Upon “Select” the user will see another pop up indicating that “the action will permanently delete the record. On this screen the user can either select “Proceed” or “Cancel”. Upon “Cancel” all pop-ups will close user will be returned to the Create Sex Type Screen. Upon “Proceed” the record and ID of the selected Sex Type will be saved to the reference table and the user will be returned to the Admin Screen.</p> <p><b>[CANCEL]</b> Upon “Cancel” all of the data on this screen is cleared and the user is returned to the Create Sex Type Screen.</p> <p><b>[Save]</b> Upon “Save” the data is stored in the table. Note: The system will also check for identical Sex Type records. If an identical match is found then the user will not be able to create a new record with that name and the user will be notified (via a pop-up) that the Sex Type can not be created because an identical name already exists.</p> <p><b>[CLOSE]</b> The “Close” button returns the user to the Administration Screen</p>
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**Create Sex Type Screen: Data Element Specs**

Req#	Requirement Referencing	Table Name	Column Name	Column ID	Data Type	Data Length	Nullable (Y/N)
	Create Sex Type Screen	TBD	Sex				

### Create Production Type

#### Create Production Type

---

ID	Production Type	
		Add Edit Delete
		Add Edit Delete

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
	Create Production Type Screen	TBD	Production	<p><b>[ADD]</b> This is an Administrator User function. When the user clicks “Add”, the ID’s will be generated by the system in sequential order. Create the Label and Data Field for Production</p> <p><b>[SEARCH]</b> Functionality should exist to allow the Administrator to search for existing Production Type records.</p> <p><b>[EDIT]</b> Administrator can search or scroll for a record. Once found the Administrator will select a Production Type record to edit and hit “Edit”, a pop up window will display all existing Production Type records and associated IDs. The pop up will close and a new ID will be generated by the</p>

				<p>system in sequential order for the updated Production Type creating a new record. After the user hits “Save”, any edited Production Type records will be closed and flagged “Inactive” in the table.</p> <p><b>[DELETE]</b> Upon “Delete”, a pop up window will display all existing Production Types and associated IDs. The user will select a Production Type to delete and hit “Select”. Upon “Select” the user will see another pop up indicating that “the action will permanently delete the record. On this screen the user can either select “Proceed” or “Cancel”. Upon “Cancel” all pop-ups will close user will be returned to the Create Production Type Screen. Upon “Proceed” the record and ID of the selected Production Type will be saved to the reference table and the user will be returned to the Admin Screen.</p> <p><b>[CANCEL]</b> Upon “Cancel” all of the data on this screen is cleared and the user is returned to the Create Production Type Screen.</p> <p><b>[Save]</b> Upon “Save” the data is stored in the table. Note: The system will also check for identical Production Type records. If an identical match is found then the user will not be able to create a new record with that name and the user will be notified (via a pop-up) that the Production Type can not be created because an identical name already exists.</p> <p><b>[CLOSE]</b> The “Close” button returns the user to the Administration Screen</p>
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**Create Production Type Screen: Data Element Specs**

Req#	Requirement Referencing	Table Name	Column Name	Column ID	Data Type	Data Length	Nullable (Y/N)
	Create Production Type Screen	TBD	Production				

### Create Control Measure Type

Create Control Measure Type

---

ID	Control Measure	
		Add Edit Delete
		Add Edit Delete

Save
Cancel

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
	Create Control Measure Type Screen	TBD	Control_Measure	<p><b>[ADD]</b> This is an Administrator User function. When the user clicks “Add”, the ID’s will be generated by the system in sequential order. Create the Label and Data Field for Control Measure</p> <p><b>[SEARCH]</b> Functionality should exist to allow the Administrator to search for existing Control Measure records.</p> <p><b>[EDIT]</b> Administrator can search or scroll for a record. Once found the Administrator will select a Control Measure record to edit and hit “Edit”, a pop up window will display all existing Control Measure records and associated IDs. The pop up will close and a new ID will be generated by the system in sequential order for the</p>

				<p>updated Control Measure creating a new record. After the user hits “Save”, any edited Control Measure records will be closed and flagged “Inactive” in the table.</p> <p><b>[DELETE]</b> Upon “Delete”, a pop up window will display all existing Control Measures and associated IDs. The user will select a Control Measure to delete and hit “Select”. Upon “Select” the user will see another pop up indicating that “the action will permanently delete the record. On this screen the user can either select “Proceed” or “Cancel”. Upon “Cancel” all pop-ups will close user will be returned to the Create Control Measure Type Screen. Upon “Proceed” the record and ID of the selected Control Measure Type will be saved to the reference table and the user will be returned to the Admin Screen.</p> <p><b>[CANCEL]</b> Upon “Cancel” all of the data on this screen is cleared and the user is returned to the Create Control Measure Type Screen.</p> <p><b>[Save]</b> Upon “Save” the data is stored in the table. Note: The system will also check for identical Control Measure Type records. If an identical match is found then the user will not be able to create a new record with that name and the user will be notified (via a pop-up) that the Control Measure Type can not be created because an identical name already exists.</p> <p><b>[CLOSE]</b> The “Close” button returns the user to the Administration Screen</p>
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**Create Control Measure Type Screen: Data Element Specs**

Req#	Requirement Referencing	Table Name	Column Name	Column ID	Data Type	Data Length	Nullable (Y/N)
	Create Control Measure Type Screen	TBD	Control_Measure				

### Create Basis for Diagnosis Type

#### Create Basis for Diagnosis Type

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ID	Basis for Diagnosis	
		Add Edit Delete
		Add Edit Delete

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
	Create Control Measure Type Screen	TBD	Diagnosis_Basis	<p><b>[ADD]</b> This is an Administrator User function. When the user clicks “Add”, the ID’s will be generated by the system in sequential order. Create the Label and Data Field for Basis for Diagnosis</p> <p><b>[SEARCH]</b> Functionality should exist to allow the Administrator to search for existing Basis for Diagnosis records.</p> <p><b>[EDIT]</b> Administrator can search or scroll for a record. Once found the Administrator will select a Basis for Diagnosis record to edit and hit “Edit”, a pop up window will display all existing Basis for Diagnosis records and associated IDs. The pop up will close and a new ID will be generated by the system in sequential order for the updated Basis for Diagnosis creating a new record. After the user hits “Save”, any edited Basis for</p>

				<p>Diagnosis records will be closed and flagged "Inactive" in the table.</p> <p><b>[DELETE]</b> Upon "Delete", a pop up window will display all existing Basis for Diagnosis and associated IDs. The user will select a Basis for Diagnosis type to delete and hit "Select". Upon "Select" the user will see another pop up indicating that "the action will permanently delete the record. On this screen the user can either select "Proceed" or "Cancel". Upon "Cancel" all pop-ups will close user will be returned to the Create Basis for Diagnosis Type Screen. Upon "Proceed" the record and ID of the selected Basis for Diagnosis Type will be saved to the reference table and the user will be returned to the Admin Screen.</p> <p><b>[CANCEL]</b> Upon "Cancel" all of the data on this screen is cleared and the user is returned to the Create Basis for Diagnosis Type Screen.</p> <p><b>[Save]</b> Upon "Save" the data is stored in the table. Note: The system will also check for identical Basis for Diagnosis Type records. If an identical match is found then the user will not be able to create a new record with that name and the user will be notified (via a pop-up) that the Basis for Diagnosis Type can not be created because an identical name already exists.</p> <p><b>[CLOSE]</b> The "Close" button returns the user to the Administration Screen</p>
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**Create Basis for Diagnosis Type Screen: Data Element Specs**

Req#	Requirement Referencing	Table Name	Column Name	Column ID	Data Type	Data Length	Nullable (Y/N)
	Create Basis for Diagnosis Type Screen Measure Type Screen	TBD	Diagnosis_Basis				

### Create Disease Type

#### Create Disease Type

ID	Disease Type

[Add](#)
[Delete](#)

[Add](#)
[Delete](#)

Save

Cancel

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
	Disease Type	Disease_Type	Disease_Type_Name	<p><b>[ADD]</b>                      This is an Administrator User function. When the user clicks “Add”, the ID’s will be generated by the system in sequential order. Create the Label and Data Field for “Disease_Type_Name”.</p> <p><b>[SEARCH]</b>                      Functionality should exist to allow the Administrator to search for existing Disease Type records.</p> <p><b>[DELETE]</b>                      Administrator can search or scroll for a record. Once found the Administrator can click Delete, a pop up window will display the user will see another pop up indicating that “the action will place the record being edited in Inactive Status permanently. The user can either select “Proceed” or “Cancel”. Upon “Cancel” all pop-ups will close user will be returned to the “Disease Type” Screen. Upon “Proceed” a new record and ID reflecting the recent edits will be saved to the reference table.</p> <p><b>[SAVE]</b>                      Upon “Save” the data is stored in the reference table. <i>Note: Upon Save the</i></p>

				<p>system will check for identical Disease Type Names. If an identical match is found then the user will be notified via a pop-up that an identical name exists. The user must change the name in order to create a new record.</p> <p><b>[CANCEL]</b>                  Upon "Cancel" all of the data on this screen is cleared and the user is returned to the Admin Screen.</p>
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Req#	Requirement Referencing	Table Name	Column Name	Column ID	Data Type	Data Length	Nullable (Y/N)
	Disease Type	Disease_Type	Disease_Type_Name				

### Create Test Type

#### Create Test Type

ID	Test Type	
		<a href="#">Add</a>
		<a href="#">Delete</a>
		<a href="#">Add</a>
		<a href="#">Delete</a>

Save

Cancel

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
	Test Type	Test_Type	Test_Type_Name	<p><b>[ADD]</b> This is an Administrator User function. When the user clicks “Add”, the ID’s will be generated by the system in sequential order. Create the Label and Data Field for “Test_Type_Name”.</p> <p><b>[SEARCH]</b> Functionality should exist to allow the Administrator to search for existing Test Type records.</p> <p><b>[DELETE]</b> Administrator can search or scroll for a record. Once found the Administrator can click Delete, a pop up window will display the user will see another pop up indicating that “the action will place the record being edited in Inactive Status permanently. The user can either select “Proceed” or “Cancel”. Upon “Cancel” all pop-ups will close user will be returned to the “Test Type” Screen. Upon “Proceed” a new record and ID reflecting the recent edits will be saved to the reference table.</p>

				<p><b>[SAVE]</b>                  Upon "Save" the data is stored in the reference table. Note: Upon Save the system will check for identical Test Type Names. If an identical match is found then the user will be notified via a pop-up that an identical name exists. The user must change the name in order to create a new record.</p> <p><b>[CANCEL]</b>                  Upon "Cancel" all of the data on this screen is cleared and the user is returned to the Admin Screen.</p>
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Req#	Requirement Referencing	Table Name	Column Name	Column ID	Data Type	Data Length	Nullable (Y/N)
	TestType	Test_Type	Test_Type_Name				

### Create Test Result Type

#### Create Test Result Type

ID	Test Result Type

[Add](#)  
[Delete](#)  
[Add](#)  
[Delete](#)

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
	Test Result Type	Test_Result_Type	Test_Result_Type_Name	<p><b>[ADD]</b> This is an Administrator User function. When the user clicks “Add”, the ID’s will be generated by the system in sequential order. Create the Label and Data Field for “Test_Result_Type_Name”.</p> <p><b>[SEARCH]</b> Functionality should exist to allow the Administrator to search for existing Test Result Type records.</p> <p><b>[DELETE]</b> Administrator can search or scroll for a record. Once found the Administrator can click Delete, a pop up window will display the user will see another pop up indicating that “the action will place the record being edited in Inactive Status permanently. The user can either select “Proceed” or “Cancel”. Upon “Cancel” all pop-ups will close user will be returned to the “Test Result Type” Screen. Upon “Proceed” a new record and ID reflecting the recent edits will be saved to the reference table.</p>

				<p><b>[SAVE]</b>                  Upon "Save" the data is stored in the reference table. Note: Upon Save the system will check for identical Test Result Type Names. If an identical match is found then the user will be notified via a pop-up that an identical name exists. The user must change the name in order to create a new record.</p> <p><b>[CANCEL]</b>                  Upon "Cancel" all of the data on this screen is cleared and the user is returned to the Admin Screen.</p>
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Req#	Requirement Referencing	Table Name	Column Name	Column ID	Data Type	Data Length	Nullable (Y/N)
	Test Result Type	Test_Result_Type	Test_Result_Type_Name				

### Create Sample Type

**Create Sample Type**

ID	Sample Type	
		<a href="#">Add</a> <a href="#">Delete</a>
		<a href="#">Add</a> <a href="#">Delete</a>

Save

Cancel

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
	Sample Type	Sample_Type	Sample_Type_Name	<p><b>[ADD]</b> This is an Administrator User function. When the user clicks “Add”, the ID’s will be generated by the system in sequential order. Create the Label and Data Field for “Sample_Type_Name”.</p> <p><b>[SEARCH]</b> Functionality should exist to allow the Administrator to search for existing Sample Type records.</p> <p><b>[DELETE]</b> Administrator can search or scroll for a record. Once found the Administrator can click Delete, a pop up window will display the user will see another pop up indicating that “the action will place the record being edited in Inactive Status permanently. The user can either select “Proceed” or “Cancel”. Upon “Cancel” all pop-ups will close user will be returned to the “Sample Type” Screen. Upon “Proceed” a new record and ID reflecting the recent edits will be saved to the reference table.</p>

				<p><b>[SAVE]</b>                  Upon "Save" the data is stored in the reference table. Note: Upon Save the system will check for identical Sample Type Names. If an identical match is found then the user will be notified via a pop-up that an identical name exists. The user must change the name in order to create a new record.</p> <p><b>[CANCEL]</b>                  Upon "Cancel" all of the data on this screen is cleared and the user is returned to the Admin Screen.</p>
--	--	--	--	--

Req#	Requirement Referencing	Table Name	Column Name	Column ID	Data Type	Data Length	Nullable (Y/N)
	Sample Type	Sample_Type	Sample_Type_Name				

### Create Survey Type

**Create Survey Type**

ID	Survey Type	
		<a href="#">Add</a> <a href="#">Delete</a>
		<a href="#">Add</a> <a href="#">Delete</a>

Save

Cancel

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
	Survey Type	Survey_Type	Survey_Type_Name	<p><b>[ADD]</b> This is an Administrator User function. When the user clicks “Add”, the ID’s will be generated by the system in sequential order. Create the Label and Data Field for “Survey_Type_Name”.</p> <p><b>[SEARCH]</b> Functionality should exist to allow the Administrator to search for existing Survey Type records.</p> <p><b>[DELETE]</b> Administrator can search or scroll for a record. Once found the Administrator can click Delete, a pop up window will display the user will see another pop up indicating that “the action will place the record being edited in Inactive Status permanently. The user can either select “Proceed” or “Cancel”. Upon “Cancel” all pop-ups will close user will be returned to the “Survey Type” Screen. Upon “Proceed” a new record and ID reflecting the recent edits will be saved to the reference table.</p>

				<p><b>[SAVE]</b>                  Upon "Save" the data is stored in the reference table. Note: Upon Save the system will check for identical Survey Type Names. If an identical match is found then the user will be notified via a pop-up that an identical name exists. The user must change the name in order to create a new record.</p> <p><b>[CANCEL]</b>                  Upon "Cancel" all of the data on this screen is cleared and the user is returned to the Admin Screen.</p>
--	--	--	--	--

Req#	Requirement Referencing	Table Name	Column Name	Column ID	Data Type	Data Length	Nullable (Y/N)
	Survey Type	Survey_Type	Survey_Type_Name				

**Create Farming System Type**

**Create Farming System Type**

ID	Farming System Type	
		<a href="#">Add</a>
		<a href="#">Delete</a>
		<a href="#">Add</a>
		<a href="#">Delete</a>

Save

Cancel

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
	Farming System Type	Farming_System_Type	Farming_System_Type_Name	<p><b>[ADD]</b>                      This is an Administrator User function. When the user clicks “Add”, the ID’s will be generated by the system in sequential order. Create the Label and Data Field for “Farming_System_Type_Name”</p> <p><b>[SEARCH]</b>                      Functionality should exist to allow the Administrator to search for existing Farming System Type records.</p> <p><b>[DELETE]</b>                      Administrator can search or scroll for a record. Once found the Administrator can click Delete, a pop up window will display the user will see another pop up indicating that “the action will place the record being edited in Inactive Status permanently. The user can either select “Proceed” or “Cancel”. Upon “Cancel” all pop-ups will close user will be</p>

				<p>returned to the “Farming System Type” Screen. Upon “Proceed” a new record and ID reflecting the recent edits will be saved to the reference table.</p> <p><b>[SAVE]</b> Upon “Save” the data is stored in the reference table. Note: Upon Save the system will check for identical Farming System Type Names. If an identical match is found then the user will be notified via a pop-up that an identical name exists. The user must change the name in order to create a new record.</p> <p><b>[CANCEL]</b> Upon “Cancel” all of the data on this screen is cleared and the user is returned to the Admin Screen.</p>
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Req #	Requirement Referencing	Table Name	Column Name	Column ID	Data Type	Data Length	Nulla ble (Y/N)
	Farming System Type	Farming_System_Type	Farming_System_Type_Name				

### Create Vaccination History Type

#### Create Vaccination History Type

ID	Vaccination History Type	
		<a href="#">Add</a>
		<a href="#">Delete</a>
		<a href="#">Add</a>
		<a href="#">Delete</a>

Save

Cancel

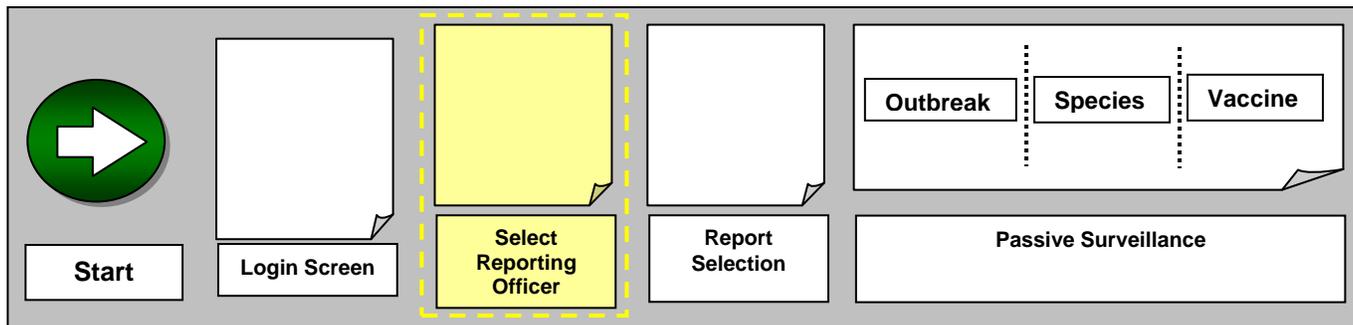
Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
	Vaccination History Type	Vaccination_History_Type	Vaccination_History_Type_Name	<p><b>[ADD]</b> This is an Administrator User function. When the user clicks “Add”, the ID’s will be generated by the system in sequential order. Create the Label and Data Field for “Vaccination_History_Type_Name”</p> <p><b>[SEARCH]</b> Functionality should exist to allow the Administrator to search for existing Vaccination History Type records.</p> <p><b>[DELETE]</b> Administrator can search or scroll for a record. Once found the Administrator can click Delete, a pop up window will display the user will see another pop up indicating that “the action will place the record being edited in Inactive Status permanently. The user can either select “Proceed” or “Cancel”. Upon “Cancel” all pop-ups will close user will be returned to the “Vaccination History Type” Screen. Upon “Proceed” a new record and ID reflecting the recent edits will be saved to the reference table.</p>

				<p><b>[SAVE]</b>                  Upon "Save" the data is stored in the reference table. Note: Upon Save the system will check for identical Vaccination History Type Names. If an identical match is found then the user will be notified via a pop-up that an identical name exists. The user must change the name in order to create a new record.</p> <p><b>[CANCEL]</b>                  Upon "Cancel" all of the data on this screen is cleared and the user is returned to the Admin Screen.</p>
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Req #	Requirement Referencing	Table Name	Column Name	Column ID	Data Type	Data Length	Nulla ble (Y/N)
	Vaccination History Type	Vaccination_History_Type	Vaccination_History_Type_Name				

**Passive Surveillance**

**Scenario 3 : Select Reporting Officer**



**Figure 2.0 – Select Reporting Officer Screen for OPEN ARIS**

**Table 2.0 - Reporting Officer Screen Requirements**

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
B_001	Select Reporting Officer Screen			Create Label and Data Field for "Reporting Officer". If the user hits the "Tab" key, the cursor should move to the "Geo Level 2" box, left justified.
B_002	Select Reporting Officer Screen			Geo Level 2 is a drop down field that references the Geo Level 2 table. If the user hits the "Tab" key, the cursor should move to the "Report Date" box, left justified.

B_003	Select Reporting Officer Screen			Create Label and Data Field for “Report Date” with a calendar. If the user hits the “Tab” key, the cursor should move to the “Report Date” box, left justified.
B_004	Select Reporting Officer Screen			Create “PREVIOUS” button for the Select Reporting Officer Screen. When clicked the user will be returned to the “Login” screen.
B_005	Select Reporting Officer Screen			Create “NEXT” button for the Select Reporting Officer Screen. When clicked the user will be directed to the “Report Selection” screen. Upon “Next” the data must be saved.

**Table 2.1 – Reporting Officer Screen Data Element Specs**

Req#	Requirement Referencing	Table Name	Column Name	Column ID	Data Type	Data Length	Nullable (Y/N)
B_001	Reporting Officer Screen			1	CHAR	20	N
B_002	Reporting Officer Screen			2	VARCHAR2	20	N
B_003	Reporting Officer Screen			3	DATE	7	Y

## Passive Surveillance

### Scenario 3: Report Selection

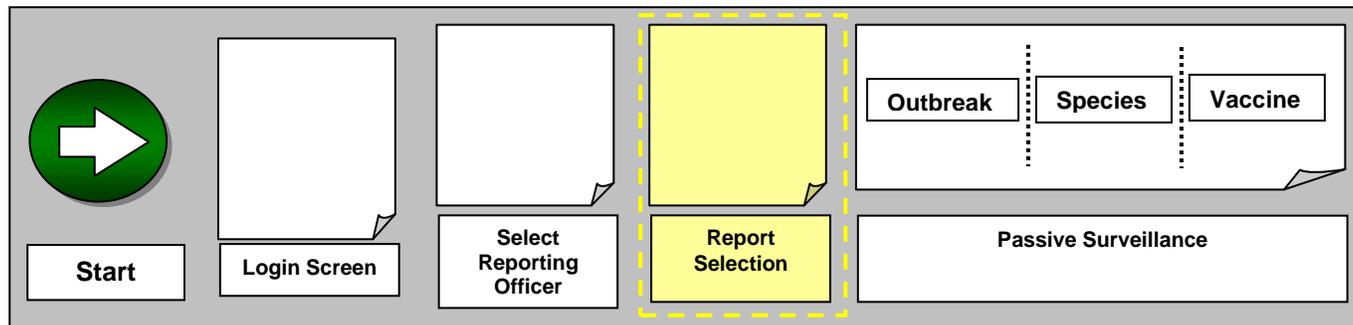


Figure 3.0 – Select Reporting Type Screen for OPEN ARIS

Table 3.0 - Reporting Officer Screen Requirements

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
	Report Selection Screen	TBD	TBD	Create Label and Data Field for Report Type label and drop down data field. A master value table must be created to pre-enter this information.
	Report Selection Screen	n/a	n/a	Create "PREVIOUS" button for the Report Selection Screen. When clicked the user will be returned to the "Select Reporting Officer" screen.
	Report Selection Screen	n/a	n/a	Create "NEXT" button for Report Selection Screen . When clicked the user will be directed to the main "Passive Surveillance" screen. Upon "Next" the data must be

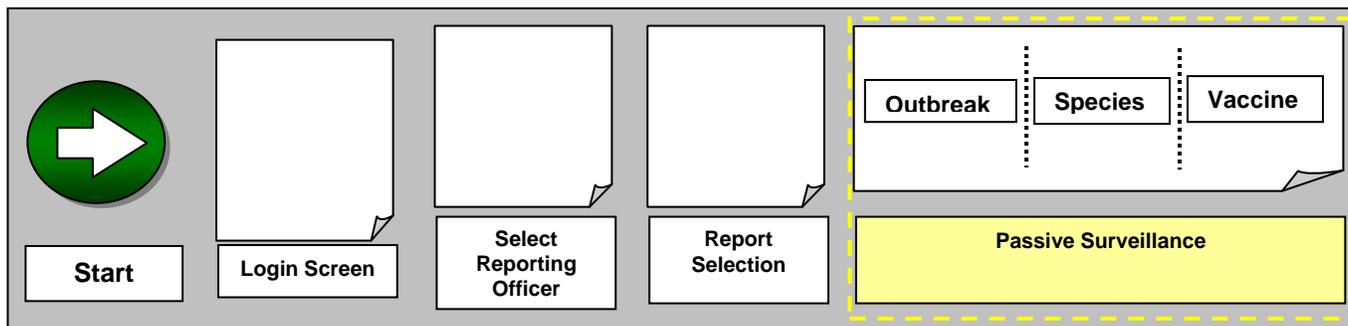
				saved.
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**Table 3.1 - Reporting Type Screen Data Element Specs**

Req#	Requirement Referencing	Table Name	Column Name	Column ID	Data Type	Data Length	Nullable (Y/N)
	Reporting Officer Screen	TBD	TBD	1	CHAR	20	N

**Passive Surveillance**

Scenario 4: Passive Surveillance Main



**Figure 4.0 – Passive Surveillance Main Screen**

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
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	Passive Surveillance Main	PASSIVE_SURVEILLANCE		Create Label and Data Field for "Territory Name". Advance to the "Outbreak Reference Number" field when the user hits the "Tab" key.
	Passive Surveillance Main	PASSIVE_SURVEILLANCE		Create Label and Data Field for "Outbreak Reference Number". This number is automatically generated.
App-002	Passive Surveillance Main	PASSIVE_SURVEILLANCE		Create Label and Data Field for "Outbreak Status" and drop down data field. A master value table must be created to pre-enter this information
	Passive Surveillance Main	PASSIVE_SURVEILLANCE		Create Label and Data Field for "Month". The month is automatically populated and is derived from Report Date in the Select Reporting Officer Screen
	Passive Surveillance Main	PASSIVE_SURVEILLANCE		Create Label and Data Field for "Year". The year is automatically populated and is derived from Report Date in the Select Reporting Officer Screen
	Passive Surveillance Main	PASSIVE_SURVEILLANCE		Create Label and Data Field for "Date Report Prepared" with a calendar. If the user hits the "Tab" key, the cursor should move to the "IBAR Received Date" field.
	Passive Surveillance Main	PASSIVE_SURVEILLANCE		Create Label and Data Field for " IBAR Received Date " with a calendar. If the user hits the "Tab" key, the cursor should move to the "DVS Received Date " field.
	Passive Surveillance Main	PASSIVE_SURVEILLANCE		Create Label and Data Field for "DVS Received Date" with a calendar. If the user hits the "Tab" key, the cursor should move to the "Is Outbreak Reported Date" field.
	Passive Surveillance Main	PASSIVE_SURVEILLANCE		Create Label and Data Field for "Is Outbreak Reported Date" with a calendar. A master value table must be created to pre-enter this information. If the user hits the "Tab" key, the cursor should move to the "Remarks" field, left justified.
	Passive Surveillance Main	n/a	n/a	Create "PREVIOUS" button for the Passive Surveillance Main Screen. When clicked the user will be returned to the "Report Selection" screen.
	Passive Surveillance Main	n/a	n/a	Create "NEXT" button for Passive Surveillance Main Screen . When clicked the user will be directed next data entry page in the Passive Surveillance Main, "Passive Surveillance Outbreak"

**Passive Surveillance Main: Data Element Specs**

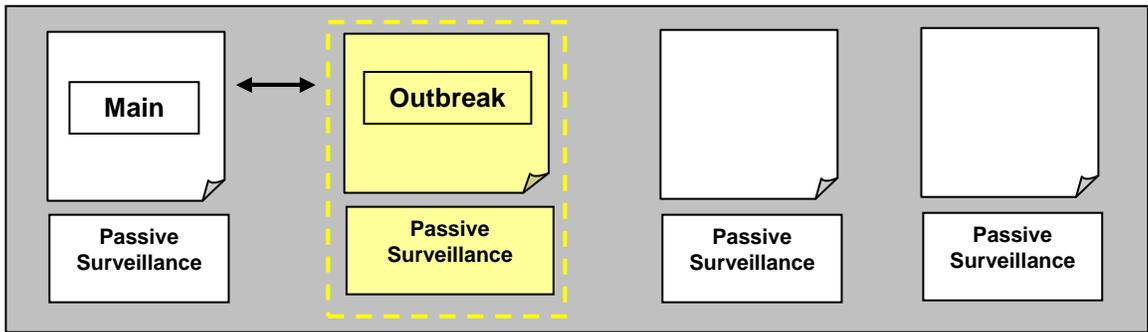
Req#	Table Name	Column Name	Column ID	Data Type	Data Length	Nullable (Y/N)
	PASSIVE_SURVEILLANCE		1	VARCHAR2	60	Y
	PASSIVE_SURVEILLANCE		2	NUMBER	22	N
	PASSIVE_SURVEILLANCE		3	VARCHAR2	1	Y

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	PASSIVE_SURVEILLANCE		4	NUMBER	22	Y
	PASSIVE_SURVEILLANCE		5	NUMBER	22	Y
	PASSIVE_SURVEILLANCE		6	DATE	7	Y
	PASSIVE_SURVEILLANCE		7	DATE	7	Y
	PASSIVE_SURVEILLANCE		8	DATE	7	Y

### Passive Surveillance

#### Scenario 4: Passive Surveillance Outbreak



**Passive Surveillance Outbreak**

Territory Name

to  Month  Year

Prepared  Date Reported to Vet.

ice  Date of Final Diagnosis

ation

Outbreak Location  Latitude  Longitude

Disease  Causitive

Change "Territory" to "Geo Level 2". It is carried over from the Reporting Officer Screen

These fields are display fields and are populated from the Passive Surveillance Main Screen

Both Disease and Causitive are drop downs from Admin Screens

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
App-001	Passive Surveillance Outbreak	PASSIVE_SURVEILLANCE		"Territory Name" data is carried over from Passive Surveillance Main Screen
App-002	Passive Surveillance Outbreak	PASSIVE_SURVEILLANCE		"Outbreak Reference Number" data is carried over from Passive Surveillance Main Screen.
App-002	Passive Surveillance Outbreak	PASSIVE_SURVEILLANCE		"Month" is carried over from Passive Surveillance Main Screen.
App-002	Passive Surveillance Outbreak	PASSIVE_SURVEILLANCE		"Year" is carried over from Passive Surveillance Main Screen.

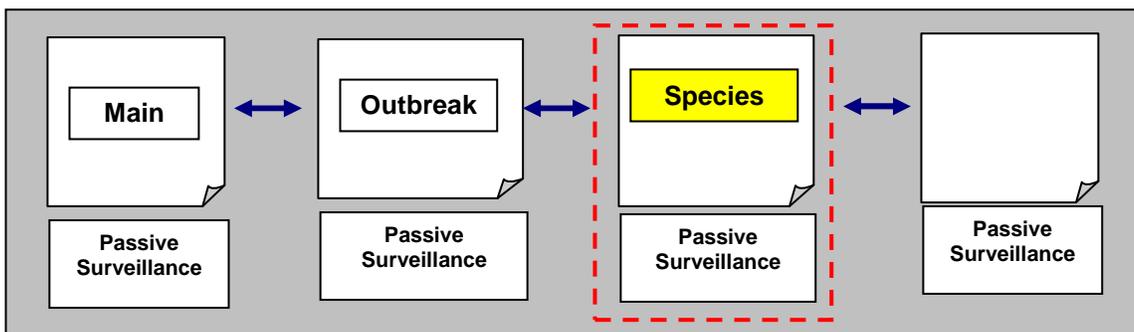
	Passive Surveillance Main	PASSIVE_SURVEILLANCE		"Date Report Prepared" is carried over from Passive Surveillance Main Screen.
	Passive Surveillance Outbreak	PASSIVE_SURVEILLANCE		Create Label and Data Field for "Date Reported to Vet". This is the date that a farmer reported an outbreak to the vet (reported by word of mouth, telephone etc)
	Passive Surveillance Outbreak	PASSIVE_SURVEILLANCE		"Date of Occurrence" is carried over from Passive Surveillance Main Screen.
	Passive Surveillance Outbreak	PASSIVE_SURVEILLANCE		Create Label and Data Field for "Date of Final Diagnosis".
	Passive Surveillance Outbreak	PASSIVE_SURVEILLANCE		Create Label and Data Field for the "Date of Investigation". This is the date that the vet goes to the farm to verify an outbreak
	Passive Surveillance Outbreak	PASSIVE_SURVEILLANCE		Create Label and Data Field for "Outbreak Location". This is the location of an outbreak.
	Passive Surveillance Outbreak	PASSIVE_SURVEILLANCE		Create Label and Data Field for the "Latitude" of the Outbreak Location.
	Passive Surveillance Outbreak	PASSIVE_SURVEILLANCE		Create Label and Data Field for the "Longitude" of the Outbreak Location.
	Passive Surveillance Outbreak	TBD		Create Label and Data Field for the "Disease" with a drop down.
	Passive Surveillance Outbreak		CAUSITIVE	CAUSITIVE
	Passive Surveillance Outbreak	n/a	n/a	Create "PREVIOUS" button for the Passive Surveillance Main Screen. When clicked the user will be returned to the "Passive Surveillance Main" screen.
	Passive Surveillance Outbreak	n/a	n/a	Create "NEXT" button for Passive Surveillance Main Screen. When clicked the user will be directed to the "Passive Surveillance Species "

**Passive Surveillance Outbreak: Data Element Specs**

Req#	Table Name	Column Name	Column ID	Data Type	Data Length	Nullable (Y/N)
	PASSIVE_SURVEILLANCE		1	VARCHAR2	60	Y
	PASSIVE_SURVEILLANCE		2	NUMBER	22	N
	PASSIVE_SURVEILLANCE		3	NUMBER	22	Y
	PASSIVE_SURVEILLANCE		4	NUMBER	22	Y
	PASSIVE_SURVEILLANCE		5	DATE	7	Y
	PASSIVE_SURVEILLANCE		6	DATE	7	Y
	PASSIVE_SURVEILLANCE		7	DATE	7	Y
	PASSIVE_SURVEILLANCE		8	DATE	7	Y
	PASSIVE_SURVEILLANCE		9	DATE	7	Y
	PASSIVE_SURVEILLANCE		10	VARCHAR	30	Y
	PASSIVE_SURVEILLANCE		11	NUMBER	22	Y
	PASSIVE_SURVEILLANCE		12	NUMBER	22	Y
	DISEASE		13	VARCHAR	25	N
	TBD		14	??	??	??

**Passive Surveillance**

Scenario 4: Passive Surveillance Species



**Passive Surveillance Species**

### Passive Surveillance Species

Territory Name  Month  Year

Outbreak Reference No

Age Group  Sex

Control Measure  Basis for Diagnosis

Susceptible  Cases  Deaths

Vaccinated  Slaughtered  Destroyed

Production  New Cases  Recovered

Prophylactic  Outbreak Status

Change Territory to Location

These fields are display fields and are populated from the Passive Surveillance Main Screen

Each of the fields from Susceptible to Prophylactic are numeric

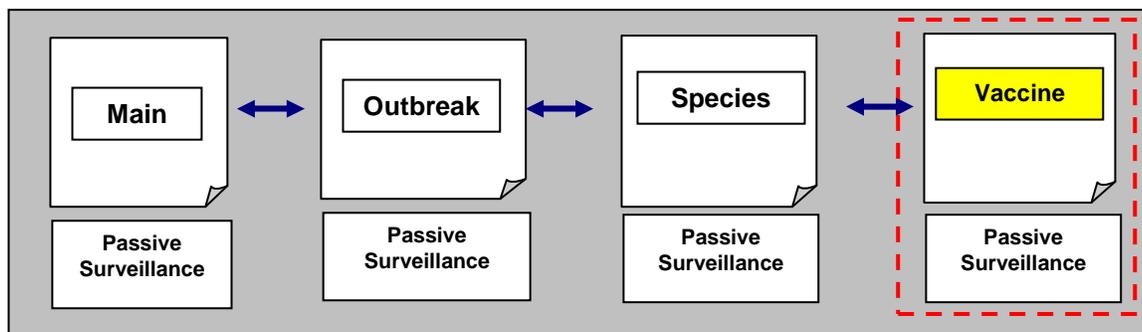
Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
	Passive Surveillance Species			"Location" data is carried over from Passive Surveillance Main Screen
	Passive Surveillance Species			"Outbreak Reference Number" data is carried over from Passive Surveillance Main Screen.
	Passive Surveillance Species			"Month" is carried over from Passive Surveillance Main Screen.
	Passive Surveillance Species			"Year" is carried over from Passive Surveillance Main Screen.
	Passive Surveillance Species			Create Label and Data Field for the "Species" with a drop down. A master value table must be created to pre-enter this information
	Passive Surveillance Species			Create Label and Data Field for the "Age Group"
	Passive Surveillance Species			Create Label and Data Field for the "Sex" with a drop down. A master value table must be created to pre-enter this information

	Passive Surveillance Species			Create Label and Data Field for the “Sex” with a drop down. A master value table must be created to pre-enter this information This field describes the farming systems (zero grazing, mixed etc)
	Passive Surveillance Species			Create Label and Data Field for the “Control Measure” with a drop down. A master value table must be created to pre-enter this information This field describes the measures taken to control the outbreak
	Passive Surveillance Species			Create Label and Data Field for the “Basis for Diagnosis” with a drop down. A master value table must be created to pre-enter this information. This field describes the method of diagnosis (clinical etc)
	Passive Surveillance Species			Create Label and Data Field for the “Susceptible”. Advance to the “Cases” field when the user hits the “Tab” key. Field will describe the number of animals (total population) exposed to the risk
	Passive Surveillance Species			Create Label and Data Field for the “Cases”. Advance to the “Deaths” field when the user hits the “Tab” key.
	Passive Surveillance Species			Create Label and Data Field for the “Deaths” and advance to the “Vaccinated” field when the user hits the “Tab” key. Field described the total number of deaths of animals as a result of the outbreak
	Passive Surveillance Species			Create Label and Data Field for the “Number of Animal Vaccinated” and advance to the “Slaughtered” field when the user hits the “Tab” key. Field described the total number of animals vaccinated
	Passive Surveillance Species			Create Label and Data Field for the “Number of Animal Vaccinated” and advance to the “Destroyed” field when the user hits the “Tab” key. Field described the total number of animals affected and slaughtered for consumption

	Passive Surveillance Species			Create Label and Data Field for the number of animals “Destroyed” and advance to the “Production” field when the user hits the “Tab” key. Field described the total number of animals destroyed due to an outbreak
	Passive Surveillance Species			TBD
	Passive Surveillance Species			TBD
	Passive Surveillance Species			Create Label and Data Field for the number of animals “Recovered” and advance to the “Prophylactic” field when the user hits the “Tab” key. Field describes the number of animals free from infections.
	Passive Surveillance Species			Create Label and Data Field for the “Prophylactic” and advance to the “Outbreak Status” field when the user hits the “Tab” key. Field describes the preventive treatment used for outbreak
	Passive Surveillance Species			TBD
	Passive Surveillance Species			Create “PREVIOUS” button for the Passive Surveillance Species Screen. When clicked the user will be returned to the “Passive Surveillance Outbreak” screen.
	Passive Surveillance Species			Create “NEXT” button for Passive Surveillance Species Screen . When clicked the user will be directed to the “Passive Surveillance Vaccine” screen

**Passive Surveillance Species: Data Element Specs**

Req#	Table Name	Column Name	Column ID	Data Type	Data Length	Nullable (Y/N)
			1	VARCHAR2	60	Y
			2	NUMBER	22	N
			3	NUMBER	22	Y
			4	NUMBER	22	Y
			5	NUMBER	22	Y
			6	NUMBER	22	Y
			7	VARCHAR2	1	Y
			8	VARCHAR2	25	Y
			9	VARCHAR2	30	Y
			10	VARCHAR2	50	Y
			11	NUMBER	22	Y
			12	NUMBER	22	Y
			13	NUMBER	22	Y
			14	NUMBER	22	Y
			15	NUMBER	22	Y
			16	NUMBER	22	Y
			17	VARCHAR	25	Y
			18	NUMBER	22	Y
			19	NUMBER	22	Y
			20	NUMBER	22	Y
			21	VARCHAR	1	Y



### Passive Surveillance Vaccine

These fields are display fields and are populated from the Passive Surveillance Main Screen

Passive Surveillance Vaccine

Territory Name  Month  Year

Outbreak Ref. No

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Batch Number

Date Manufactured  Expiration Date

Tested at PANVAC

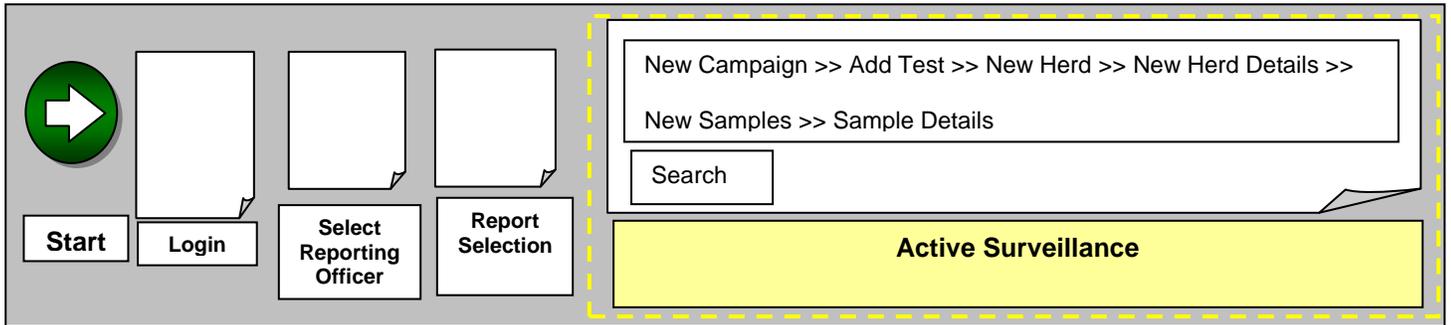
Change Territory to Location

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
	Passive Surveillance Vaccine			"Territory Name" data is carried over from Passive Surveillance Main Screen
	Passive Surveillance Vaccine			"Outbreak Reference Number" data is carried over from Passive Surveillance Main Screen.
	Passive Surveillance Vaccine			"Month" is carried over from Passive Surveillance Main Screen.
	Passive Surveillance Vaccine			"Year" is carried over from Passive Surveillance Main Screen.

	Passive Surveillance Vaccine			Create Label and Data Field for “Source of Vaccine” and advance to the “Batch Number” field when the user hits the “Tab” key. Field describes the source of the vaccine
	Passive Surveillance Vaccine			Create Label and Data Field for “Batch Number” and advance to the “Date Manufactured” field when the user hits the “Tab” key. Field describes the vaccine batch number
	Passive Surveillance Vaccine			Create Label and Data Field for “Date Manufactured” with a calendar and advance to the “Expiration Date” field when the user hits the “Tab” key. Field describes when the vaccine was manufactured.
	Passive Surveillance Vaccine			Create Label and Data Field for “Expiration Date” with a calendar and advance to the “Tested at PANVAC” field when the user hits the “Tab” key. Field describes vaccines expiration date
	Passive Surveillance Vaccine			Create Label and Data Field for “Tested at PANVAC ” and advance to the “NEXT” button when the user hits the “Tab” key. Field describes if the vaccine was PANVAC tested.
	Passive Surveillance Vaccine			Create “PREVIOUS” button for the Passive Surveillance Species Screen. When clicked the user will be returned to the “Passive Surveillance Species” screen.
	Passive Surveillance Vaccine			

**Passive Surveillance Vaccine: Data Element Specs**

Req#	Table Name	Column Name	Column ID	Data Type	Data Length	Nullable (Y/N)
	PS_VACCINE	SITE	1	VARCHAR2	60	Y
	PS_VACCINE	OBP_ID	2	NUMBER	22	N
	PS_VACCINE	MONTH	3	NUMBER	22	Y
	PS_VACCINE	YEAR	4	NUMBER	22	Y
	PS_VACCINE	VACC_SOURCE	5	VARCHAR2	100	Y
	PS_VACCINE	BATCH_NO	6	VARCHAR2	25	Y
	PS_VACCINE	MFG_DATE	7	DATE	7	Y
	PS_VACCINE	EXPIRY_DATE	8	DATE	7	Y
	PS_VACCINE	IS_TESTED	9	VARCHAR	1	Y



**Menu Bar: View Reports**

<b>Admin</b> 	<b>Data Entry</b> 	<b>View Reports</b> 	<b>Search</b> 
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**View Reports: Screenshot**

**View Reports Screen**

Select Month  Select Year  Output Type:  PDF  
 Excel File  
 On Screen

Report Type:  **Passive Surveillance**

**Report Data Screen Shot: (Columns 1 - 8 )**

Country code	Data ID	Observation Type	Date of observation	Reporting officer	Comments (report)	Date of first case	Date of end of outbreak
GHA	4000003	D	10/31/2008	33		10/30/2008	
GHA	4000003	D	10/31/2008	33		10/30/2008	
GHA	4000011	D	2/18/2008	4000001	Public education Vaccination planned	1/29/2008	
GHA	4000013	D	1/30/2008	4000002	The information about the disease was given to the Agric. Extension Assistant who then reported to the Distrcit Vet Officer after 2 weeks	1/15/2008	

GHA	4000013	D	1/30/2008	4000002	The information about the disease was given to the Agric. Extension Assistant who then reported to the District Vet Officer after 2 weeks	1/15/2008	
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## Report Data Screen Shot : (Columns 9 - 17 )

Initial observation	Initial observation ID	Report ID	Farm	Farming system code	Farming system	Locality ID	Locality	Admin 2
Y	4000004		Robert's Farm	st	stray	4000001	ESuekyir	Cape Coast
Y	4000004		Robert's Farm	st	stray	4000001	ESuekyir	Cape Coast
Y	4000012			sd	Sedentary	4000002	Gambigo	Bolgatanga
Y	4000014			fr	Free Range	4000003	Gonni	Wa East
Y	4000014			fr	Free Range	4000003	Gonni	Wa East

## Report Data Screen Shot : (Columns 18 - 26 )

Admin 1	Latitude Decimal	Longitude Decimal	Locality source code	Locality source	Species code	Species	Age code	Age
Central	5.00222	-1.004722	gp	GPS reading	CAN	Canine	Sa	Subadult
Central	5.00222	-1.004722	gp	GPS reading	CAN	Canine	Sa	Subadult
Upper East	10.61667	-0.8333	gp	GPS reading	CAP	Caprine	Ad	Adult
Upper West	10.055483	-2.325933	gp	GPS reading	CAP	Caprine	AI	All
Upper West	10.055483	-2.325933	gp	GPS reading	CAP	Caprine	AI	All

## Report Data Screen Shot : (Columns 27 - 34 )

Sex code	Sex	Cases	Deaths	At risk	Examined	Sign/Lesion/Action/Treatment code	Sign/Lesion/Action/Treatment
AI	All	1	0	50		DE	Destruction
AI	All	1	0	50		agg	aggressive behaviour

Fe	Female	4	3	40		Di,LA,NB,RD,SA	Diarrhoea,Lacrimation,Necrosis of buccal cavity,Respiratory Distress,Sore at the Anus
Fe	Female	15	9	54		Di,MN,RD,SL	Diarrhoea,Mucus from the Nostrils,Respiratory Distress,Sores on the lips and gums

## Report Data Screen Shot : (Columns 35 - 41 )

Sign/Lesion/Action/Treatment group	Action/Treatment number	Sign/Lesion body system	Sample ID	Diagnosing officer	Tentative diagnosis code	Tentative diagnosis
ACTION	1		4000001		B058	Rabies
SIGN		CNS	4000001		B058	Rabies
SIGN		GIT,respiratory, mucosae, respiratory, GIT			A050	Peste des petits ruminants (PPR)
SIGN		GIT,mucosae,respiratory, mucosae			A050	Peste des petits ruminants (PPR)
ACTION					A050	Peste des petits ruminants (PPR)

## Report Data Screen Shot : (Columns 42 - 48 )

Tentative Type code	Tentative Type	Tentative Remarks	Basis for diagnosis (tentative)	Differential diagnosis code 1	Differential diagnosis 1	Differential1 Type code
			Clinical signs			
			Clinical signs			
			Clinical signs			
			Clinical signs	C701	Contagious pustular dermatitis (Contagious Ectima/Orf)	

			Clinical signs	C701	Contagious pustular dermatitis (Contagious Ectima/Orf)	
--	--	--	----------------	------	--	--

Report Data Screen Shot : (Columns 49 - 57 )

Differential1 Type	Differential1 Remarks	Differential diagnosis code 2	Differential diagnosis 2	Differential2 Type code	Differential2 Type	Differential2 Remarks	Final diagnosis code	Final diagnosis
							B058	Rabies
							B058	Rabies

Report Data Screen Shot : (Columns 58 - 65)

Final Type code	Final Type	Final Remarks	Basis for diagnosis (Final)	Date of diagnosis	Epidemiology: Source	Herd vaccination history	Epidemiology comments
			Laboratory results			Unknown	Newcastle disease (2008)
			Laboratory			Unknown	Newcastle disease (2008)

			results				
					Unknown	Unknown	Newcastle disease (2008)
					Unknown	Unknown	Infectious bursal disease (Gumboro disease) (2008)
					Unknown	Unknown	Infectious bursal disease (Gumboro disease) (2008)

Report Data Screen Shot : (Columns 66 – 71)

Movements-from	Movements-to	Field validation officer	Field validation date	HQ validation officer	HQ validation date

## Report Output Format and Field Designations

### Data Fields to Export Upon Run Report: (Report Format TBD)

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
	View Reports Screen	TBD	TBD	Create the Label and Data Field for Select Month with a calendar.
	View Reports Screen	TBD	TBD	Create the Label and Data Field for Select Year with a calendar.
	View Reports Screen	TBD	TBD	Create the Label and Data Field for Output Type and Output Type options (PDF, Excel File, On Screen). Only one Output Type can be selected
	View Reports Screen	n/a	n/a	Create Run Report button. On click the report is produced and displayed via the user selected Month, Year and Output Type.(See Report Output Format and Field Designations below)
	View Reports Screen	n/a	n/a	Create Cancel button. On click the report all fields are cleared.

### Report Output Format and Field Designations



**Reporting Unit:** Country [Region] [Province] [District]  
**Reporting Period:** Month [Year]  
**Reporting officer:** Name [RPT\_OFFICER]  
**Date report:** Report Date [Rpt\_date\_to\_Vet] [Report\_To\_Ibar\_Date]

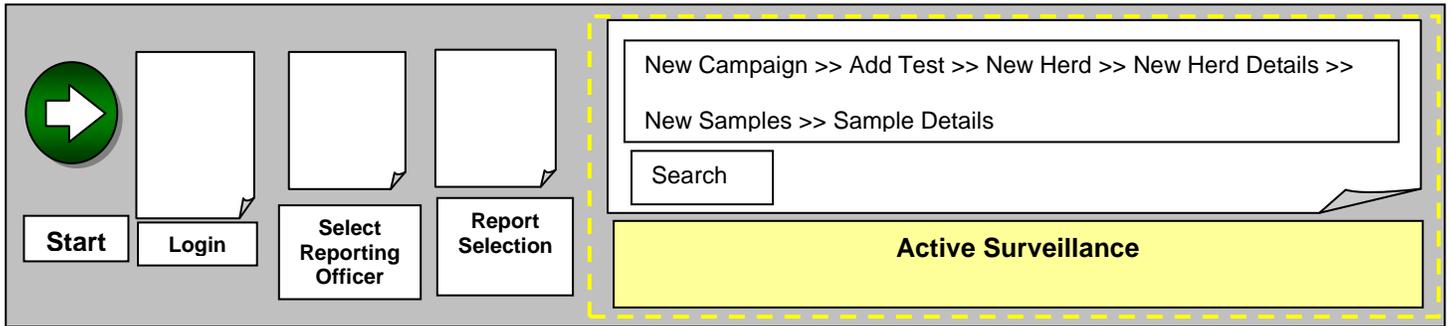
**Is There an Outbreak to Report (Yes/No)**

### Data Fields to Export Upon Run Report: (Report Format TBD)

Disease	New or Follow-up	[Outbreak_Date]	[Rpt_date_to_Vet]
Date investigated	Date of final diagn.	Name of affected village	Latitude (in DD)
Longitude (in DD)	Species affected	[Age]	[Sex]
[Production]	[Control_measure]	[Basis_for_Diagnosis]	[Num_Susceptible]
[Number_New_Cases]	Num_Deaths	[Num_Slaughtered]	[Num_Recovered]
[Num_Destroyed]	Outbreak stopped?	# Control vaccination	[Prophylactic]
[Vaccine_Source]	[Batch_Number]	Date of production	[Expiration_Date]
Tested for quality?			

**Note:** Every user should see a list of the last five (5) reports that they have created

## Scenario 5: Active Surveillance



### Active Surveillance -New Campaign Screen Shot

**Open ARIS** Welcome (name) [Menu](#) [Log Off](#) [Help](#)

Home > Active Surveillance > New Campaign

#### New Campaign

Name

Reporting Officer

Disease

Survey Type

Comments

OK Cancel

## Active Surveillance - New Campaign “Add Test” Screen Shot

**Open ARIS**

Home > Active Surveillance > New Campaign

Welcome (name) [Menu](#) [Log Off](#) [Help](#)

---

### Add Test

---

Campaign Name: Active February 2009      Disease: HP Avian Influenza

Type of Test

Sensitivity

Specificity

## Active Surveillance - Search Screen Shot

**Open ARIS**

Home > Active Surveillance > Sero Surveillance > Search

Welcome (user name) [Menu](#) [Log Off](#) [Help](#)

---

### Search

---

Campaign	<input type="text" value="Active Surveillance February 2009"/>
Reporting Officer	<input type="text"/>
Date of Sampling	
Before	<input type="text" value="1/31/09"/>
After	<input type="text" value="1/31/09"/>
Sampling ID	<input type="text"/>
Report ID	<input type="text"/>
Species	<input type="text"/>
Type of Test	<input type="text"/>
Test Result	<input type="text"/>
Geo Level 3	<input type="text"/>
Geo Level 2	<input type="text"/>
Territory	<input type="text"/>
Farm	<input type="text"/>
Search	<input type="text" value="Listing"/>

## Active Surveillance - New Herd Screen Shot

**Open ARIS** Welcome (name) Menu [Log Off](#) [Help](#)

Home > Active Surveillance > Sero Surveillance > Browse Surveillance > New Herd

Campaign Name: Active Surveillance February 2009 Disease: HP Avian Influenza

Report ID: Reporting Officer: Doe, John (Veterinary Officer)

Farming Localities				
Territories	Geo Level 3	Geo Level 2	Farm Name	Farming System

---

### New Herd

Territory

Geo Level 3

Geo Level 2

Farm

Farming System

## Active Surveillance - Surveillance Details Screen Shot

### Open ARIS

Welcome (name) Menu [Log Off](#) [Help](#)

Home > Active Surveillance > Sero Surveillance > Browse Surveillance > Herd Details for Surveillance

Campaign Name: Active Surveillance February 2009

Disease: HP Avian Influenza

#### Report ID:

Reporting Officer: Doe, John (Veterinary Officer)

<a href="#">Farm Locality</a>	Geo Level 3	Geo Level 2	Farm Name	Farming System	<a href="#">edit</a>	<a href="#">delete</a>
Nayua	Upper West	Sisala East	Adams	Free Range		

<b>Herd</b>						<a href="#">edit</a>	<a href="#">delete</a>
Species	Number	Age	Sex	Herd Vaccination History	Disease Past Year	Clinical Signs	
nothing reported				nothing reported	nothing reported	nothing reported	

**Animals Moved From**

**Animals Moved To**

**Comments**

**Condition of Grazing Yard:**

Sampling	Date of Sampling	Samples Taken	Date Samples Sent	Date Samples Received
<a href="#">new</a>				

## Active Surveillance – New Samples Screen Shot 1

**Open ARIS** Welcome (name) Menu [Log Off](#) [Help](#)

Home > Active Surveillance > Sero Surveillance > Browse Surveillance > Herd Details for Surveillance > Surveillance Samples > New

Campaign Name: Active Surveillance February 2009 Disease: HP Avian Influenza

**Report ID:** Reporting Officer: Doe, John (Veterinary Officer)

Farm Locality	Geo Level 3	Geo Level 2	Farm Name	Farming System	<a href="#">edit</a>	<a href="#">delete</a>
Nayua	Upper West	Sisala East	Adams	Free Range		

**Sampling Date:** 2/3/2009 **Number of Samples:** 9

+ Samples							
Sample ID	Date of Testing	Species	Age	Sample Type	Type of Test	Number	Vaccination History

---

### New Sample

Sample ID	<input type="text"/>	Specification	<input type="text"/>
Animal ID	<input type="text"/>		<input type="text"/>
Species	<input type="text"/>		Vaccination History
Age	<input type="text"/>		<input type="text"/>
Sex	<input type="text"/>		
Sample Type	<input type="text"/>		
Test Type	<input type="text"/>	Number	<input type="text"/>
Date of Test	<input type="text"/>	Remarks	<input type="text"/>
Test Result	<input type="text"/>		

## Active Surveillance - New Samples Screen Shot 2

**Open ARIS**

Welcome (name) Menu [Log Off](#) [Help](#)

Home > Active Surveillance > Sero Surveillance > Browse Surveillance > Herd Details for Surveillance > Surveillance Samples > New Sample

Campaign Name: Active Surveillance February 2009

Disease: HP Avian Influenza

Report ID:

Reporting Officer: Doe, John (Veterinary Officer)

<a href="#">Farm Locality</a>	<a href="#">Goe Level 3</a>	<a href="#">Geo Level 2</a>	<a href="#">Farm Name</a>	<a href="#">Farming System</a>	<a href="#">edit</a>	<a href="#">delete</a>
Nayua	Upper West	Sisala East	Adams	Free Range		

Sampling Date: 2/3/2009

Number of Samples: 9

**+ Samples**

Sample ID	Date of Testing	Species	Age	Sample Type	Type of Test	Result Type	Number	Vaccination History
105	09/06/08	Avian	Adult	Tracheal Swab	Heamagglutination Test	Negative	1	
106	09/06/08	Avian	Adult	Tracheal Swab	Heamagglutination Test	Negative	1	

**New Sample**

Sample ID	<input type="text" value="107"/>	Specification	<input type="text"/>
Animal ID	<input type="text"/>		
Species	<input type="text" value="Avian"/>		
Age	<input type="text" value="Adult"/>	Vaccination History	<input type="text"/>
Sex	<input type="text" value="Layers"/>	Number	<input type="text" value="1"/>
Sample Type	<input type="text" value="Tracheal Swab"/>	Remarks	<input type="text"/>
Test Type	<input type="text" value="Heamagglutination Test"/>		
Date of Test	<input type="text" value="9/ 6/08"/>		
Test Result	<input type="text" value="Negative"/>		
<input type="button" value="New"/>		<input type="button" value="Cancel"/>	

## Active Surveillance - Samples

**Open ARIS**

Welcome (name) Menu [Log Off](#) [Help](#)

Home > Active Surveillance > Sero Surveillance > Browse Surveillance > Herd Details for Surveillance > Surveillance Samples

Campaign Name: Active Surveillance February 2009

Disease: HP Avian Influenza

Report ID:

Reporting Officer: Doe, John (Veterinary Officer)

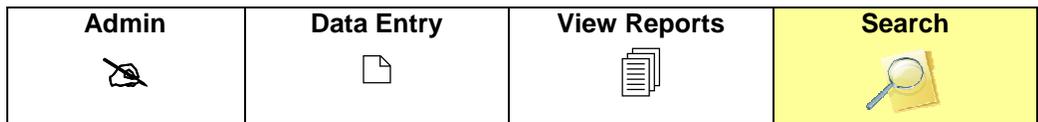
<a href="#">Farm Locality</a>	Geo Level 3	Geo Level 2	Farm Name	Farming System	<a href="#">edit</a>	<a href="#">delete</a>
Nayua	Upper West	Sisala East	Adams	Free Range		

<a href="#">Sampling</a>	<a href="#">edit</a>	<a href="#">delete</a>
--------------------------	----------------------	------------------------

Sampling Date: 2/3/2009	Samples Taken: 9	Date Samples Sent 01/06/08	Date Samples Received 01/06/08
----------------------------	---------------------	-------------------------------	-----------------------------------

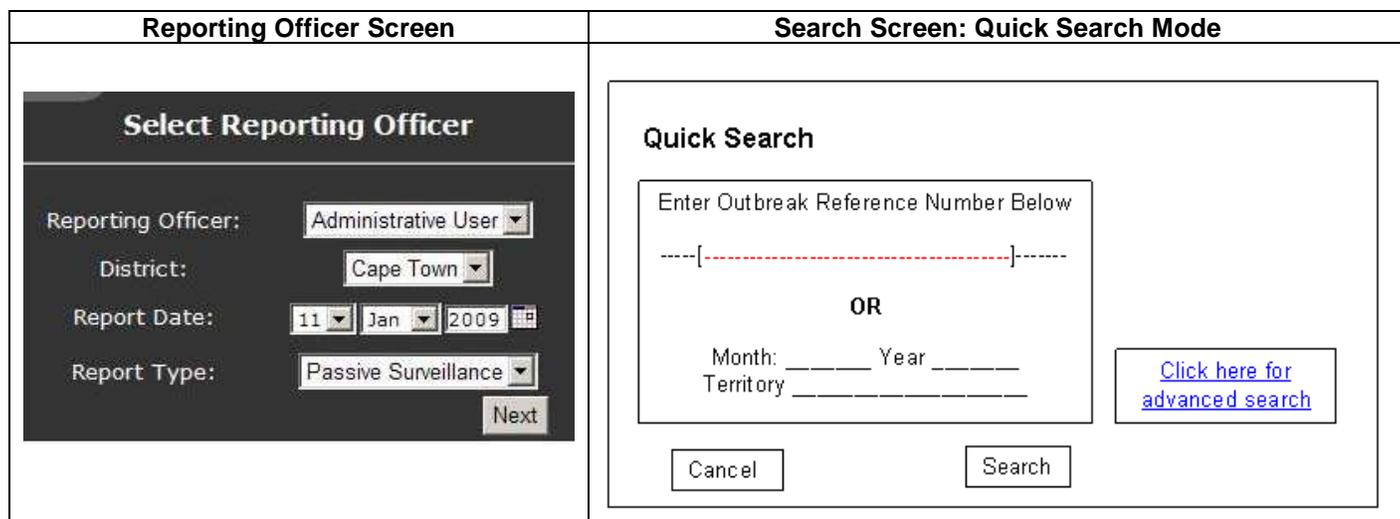
<a href="#">Samples new</a>	Sample ID	Date of Testing	Species	Age	Sample Type	Type of Test	Result Type	Number	Vaccination History	Edit	Delete
	105	09/06/08	Avian	Adult	Tracheal Swab	Haemagglutination Test	negative	1		<a href="#">edit</a>	<a href="#">delete</a>
	106	09/06/08	Avian	Adult	Tracheal Swab	Haemagglutination Test	negative	1		<a href="#">edit</a>	<a href="#">delete</a>
	107	09/06/08	Avian	Adult	Tracheal Swab	Haemagglutination Test	negative	1		<a href="#">edit</a>	<a href="#">delete</a>

### Menu Bar – Search Function



There are two different types of Search Modes: **Quick Search Mode** and **Advanced Search Mode**. The two modes are described below in detail.

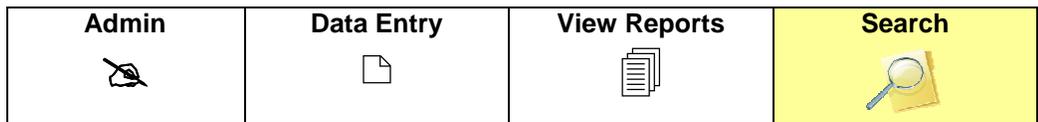
**Quick Search Mode** - Upon clicking **Search** the user is taken to a “**Quick Search**” screen that looks very similar to Reporting Officer screen (see below). The first search field on the Quick Search screen is the Outbreak Reference Number (ORN). If the user provides an ORN, the month, year and territory fields below it are to be disabled. If an Outbreak Reference Number is not known, a minimum of two fields below the OBR must be entered – (e.g., month and year or month and territory).



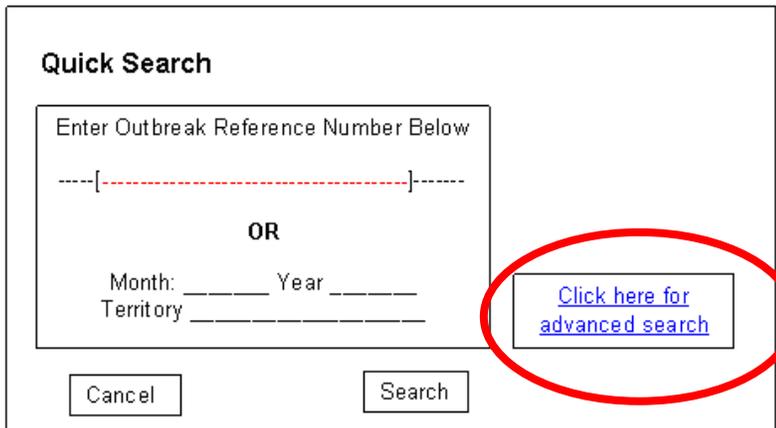
Upon Cancel, the user is returned to the home page. Upon Search, the results will be shown in a table and the user can select only **ONE** record to edit by clicking a checkbox. When the check box is selected, the “EDIT” link for the corresponding record becomes active. Upon clicking EDIT, the data for the selected record will become available for the user to edit.

Select	Outbreak Reference No	Month	Year	Territory	Report Prepared Date	Disease	
<input type="checkbox"/>	687686236	January	2008	X	Jan-12-2008	Xxx	Edit
<input checked="" type="checkbox"/>	<a href="#">213198090</a>	<a href="#">January</a>	<a href="#">2008</a>	<a href="#">Y</a>	<a href="#">Jan-28-2008</a>	<a href="#">Yyy</a>	<a href="#">Edit</a>
<input type="checkbox"/>	198082765	September	2008	Z	Sept-07-2008	Zzz	Edit

### Menu Bar – Search Function, Continued



**Advanced Search Mode** -. Upon clicking blue hyperlinked “Click Here for Advanced Search” the user is taken to an “Advanced Search Screen” that looks very similar to Reporting Officer screen (see below). On this screen the user can enter data for any or all of the fields. At least one field must be populated in Advanced Search. All of the date fields are to be left blank unless the user populates them. Upon Cancel, the user is returned to the home page



**Quick Search**

Enter Outbreak Reference Number Below

---[-----]---

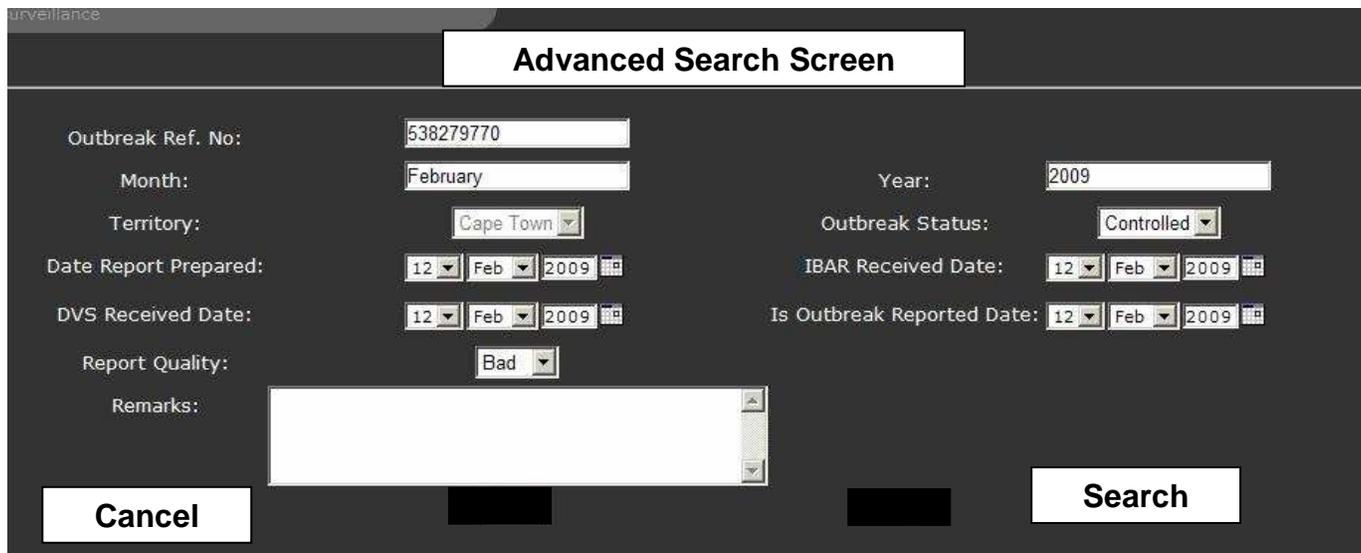
**OR**

Month: \_\_\_\_\_ Year \_\_\_\_\_

Territory \_\_\_\_\_

[Click here for advanced search](#)

Cancel Search



**Advanced Search Screen**

Outbreak Ref. No: 538279770

Month: February Year: 2009

Territory: Cape Town Outbreak Status: Controlled

Date Report Prepared: 12 Feb 2009 IBAR Received Date: 12 Feb 2009

DVS Received Date: 12 Feb 2009 Is Outbreak Reported Date: 12 Feb 2009

Report Quality: Bad

Remarks:

Cancel Search

Upon Cancel, the user is returned to the home page. Upon Search, the results will be shown in a table for all of the fields shown in the above Advanced Search Screen. As in Quick Search, the user can select only **ONE** record to edit by clicking a checkbox and clicking the EDIT button. The data for the selected record will become available for the user to edit.

## Scenario 6: Vaccine Inventory

**Open ARIS** Welcome (name) [Menu](#) [Log Off](#) [Help](#)

Home > Vaccine Inventory

### Vaccine Inventory

District Name

Vaccine Name

Total Doses on Hand

Doses at Start of Month  Doses **at End of Month**

Doses Received During the Month

Doses Used

Doses Wasted

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
	Vaccine Inventory			"District Name" data is carried over from the Reporting Officer screen
	Vaccine Inventory			"Vaccine Name" , name of vaccine
	Vaccine Inventory			"Total in Stock", total number of doses in stock before additional doses are received
	Vaccine Inventory			"Dose Received During Month", the number of doses received during the month
	Vaccine Inventory			"Doses Used" , number of dose used during the month
	Vaccine Inventory			"Wastage", number of does wasted during the month
	Vaccine Inventory			"Balance", total number of doses on hand at the end of the month

## Scenario 7: Animal Population

Welcome (name)   [Menu](#)   [Log Off](#)   [Help](#)

### Open ARIS

Home > Animal Population

### Animal Population

District

Animal Classification

Number of Animals

Animal Production 

- Milk
- Eggs
- Cheese
- Beef
- Other

Source

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
	Animal Population			"District Name" data is carried over from the Reporting Officer screen
	Animal Population			"Classification", animal classification
	Animal Population			"Number of Animals", animal population
	Animal Population			"Source:", Animal source
	Animal Population			"Type of Production from Animal", type of animal production

## Scenario 8: Livestock Import and Export

**Open ARIS** Welcome (name) [Menu](#) [Log Off](#) [Help](#)

Home > Livestock Import

### Livestock Import

District Name

Point of Entry

Origin of Animal

Destination of Animal

Animal Classification

Products	Units
Eggs	
Milk	
Cheese	
Poultry	
Beef	

# Open ARIS

Welcome (name) [Menu](#) [Log Off](#) [Help](#)

Home > Livestock Export

## Livestock Export

District Name

Point of Entry

Origin of Animal

Destination of Animal

Animal Classification

Products	Units
Eggs	
Milk	
Cheese	
Poultry	
Beef	

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
	Livestock Import			"District Name" data is carried over from the Reporting Officer screen
	Livestock Import			"Point of Entry", to be determined
	Livestock Import			"Origin of Animal", animal origin. (data source from admin screen entries)
	Livestock Import			"Destination", Animal destination (data source from admin screen entries)
	Livestock Import			"Animal Classification", animal species. (data source from admin screen entries)
	Livestock Import			"Products", various types of animal products
	Livestock Import			Unit of Products, product units

## Scenario 9: Meat Inspection

Welcome ( name)    [Menu](#)   [Log Off](#)   [Help](#)

**Open ARIS**

Home > Meat Inspection

**Meat Inspection**

District

Inspection Date (Date when diseases was found)

Number of Cases

Number at Risk

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
	Meat Inspection			"Date of Inspection", when the disease was found
	Meat Inspection			"Number at Risk", number of animals at risk
	Meat Inspection			"Number of Cases", number of disease cases
	Meat Inspection			"District Name" data is carried over from the Reporting Officer screen

## Scenario 10: Deworming

Welcome ( name) [Menu](#) [Log Off](#) [Help](#)

**Open ARIS**

Home > Deworming

**Deworming**

District

Animal Classification

Number of Animals Dewormed

Type of Antiemetic

Remarks

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
	Deworming			"District Name" data is carried over from the Reporting Officer screen
	Deworming			"Animal Classification", is the animal classification (data source from admin screen entries)
	Deworming			" Number of Animals Dewormed", the number of animals dewormed
	Deworming			"Type of Antiemetic", type of antiemetic used (data source from admin screen entries)
	Deworming			Remarks", a text field for the user to enter remarks

## Scenario 11: Livestock Movement

Welcome ( name)    [Menu](#)   [Log Off](#)   [Help](#)

**Open ARIS**

Home > Movement

**Movement**

District   

Animal Classification   

Purpose     Slaughtered    Rearing

Destination   

Remarks   

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
	Movement			"District Name" data is carried over from the Reporting Officer screen
	Movement			"Animal Classification", is the animal classification (data source from admin screen entries)
	Movement			"Origin of Animal", animal origin
	Movement			"Destination", Animal destination
	Movement			"Purpose", can be one of two choices "slaughter" or "rearing", not both
	Movement			"Remarks", user remarks

## Scenario 12: Slaughter

Welcome (name)    [Menu](#)    [Log Off](#)    [Help](#)

### Open ARIS

Home > Slaughter

### Slaughter

District

Number of Cattle

Number of Sheep

Number of Goats

Number of Pigs

Number of Poultry

Other     Name

Remarks

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
	Slaughter			"District" data is carried over from the Reporting Officer screen
	Slaughter			For Cattle, sheep, goats, and pigs, and poultry this is the number of those animals slaughtered.
	Slaughter			"Name" is name of any animal not listed
	Slaughter			"Other" is the name of any animal not included in the list that was slaughtered
	Slaughter			"Remarks", user remarks

**Additional Admin Screens**

**Create Causative Type**

ID	Causative Type	
		Add Edit Delete
		Add Edit Delete

**SAVE**

**CANCEL**

Req#	Requirement Referencing	Table Name	Column Name	Requirement Function
A_001	Create Causative Type	TBD	TBD	<p><b>[ADD]</b> This is an Administrator User function. When the user clicks “Add”, the ID’s will be generated by the system in sequential order. Create the Label and Data Field for Causative Type</p> <p><b>[EDIT]</b> Administrator can search or scroll for a record. Once found the Administrator will select a Causative Type to edit and hit “Edit”, a pop up window will display all existing (CAUSATIVE NAMES) and associated IDs. The pop up will close and a new ID will be generated by the system in sequential order for the updated (CAUSATIVE NAMES), creating a new record. After the user hits “Save”, any edited (CAUSATIVE RECORDS) will be closed and flagged “Inactive” in the table. A date stamp will be associated with the recently edited (CAUSATIVE RECORD).</p> <p><b>[DELETE]</b> Upon “Delete”, a pop up window will display all existing Causative Types and associated IDs. The user will select a Causative Types to delete and hit “Select”. Upon “Select” the user will see another pop up indicating</p>

				<p>that “the action will permanently delete the record. On this screen the user can either select “Proceed” or “Cancel”.</p> <p>Upon “Cancel” all pop-ups will close user will be returned to the Causative Types Screen. Upon “Proceed” the record and ID of the selected Causative Types will be saved to the reference table and the user will be returned to the Admin Screen.</p> <p><b>[CANCEL]</b> Upon “Cancel” all of the data on this screen is cleared and the user is returned to the Causative Screen.</p> <p><b>[Save]</b> Upon “Save” the data is stored in the table. Note: The system will also check for identical CAUSATIVE RECORDS. If an identical match is found then the user will not be able to create a new record with that name and the user will be notified (via a pop-up) that the Causative can not be created because an identical name already exists.</p> <p><b>[CLOSE]</b> The “Close” button returns the user to the Administration Screen</p>
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## Mobile Application (requirements in progress)





# APPENDIX

## OPEN ARIS DATA MODEL (HIGH LEVEL)

