Overview

NPIP US Primary Breeder AI Clean Compartment Program

• The Case for Compartments
  • Definition Refresher
  • History
• Current Status
  • Companies
  • Auditors/Audits
  • OSA Role
• What’s New? What’s Next?
Example
Compartmentalization is a procedure a country may implement to *define and manage animal subpopulations of distinct health status and common biosecurity program* within its territory, in accordance with recommendations in the OIE Terrestrial Animal Health Code (the Code) guidelines, *for the purpose of disease control and international trade*.
Definition Differences

- **Compartmentalization** = *distinct health status with subpopulation definition based on husbandry, management, and biosecurity.*

- **Regionalization/Zoning** = *distinct health status with subpopulation definition based on geographic, natural or man-made boundary or border.*
USDA’s Approach to An Outbreak

- Work with trading partners to implement **regionalization/zoning**
  - Regionalization = zoning in the OIE’s Terrestrial Code
  - **Regionalization/Zoning** defined as "a procedure a country may implement to define and manage animal subpopulations that are confined to a distinct geographical region for the purpose of disease control and international trade."
- Goal is to “zone” or “regionalize” to the county level
But What If…?

- The regionalization approach doesn’t work well?
  - Zones frequently expand and are difficult to describe
    - Ex: Newcastle Disease in California

Notice of Virulent Newcastle Disease Regional Quarantine
Affecting Bird Owners: Effective 9:00 P.M. February 27, 2019

- Multiple governments or countries involved
  - Ex: Nobles County, MN
- Extremely valuable birds
  - Ex: Primary breeder flocks

Clear need to explore alternatives...
Advantages of a Compartment

- Geographic proximity to an outbreak is negligible in compartmentalization so that international trade can continue as a “business as usual” approach for all components in the compartment, where zoning would fail.
- Biosecurity is of greater importance in disease transmission and prevention than geography.
History
Timeline of Events: Early 2000’s-2017

- **2002**: OIE Ad Hoc Group Report determined compartmentalisation concept could apply to AI and OIE. General Assembly officially adopted compartmentalisation at 72nd General Session.
- **2004**: Compartmentalisation adopted by NPIP 38th Biennial Conference.
- **2010**: Aviagen Limited (UK) achieves first Compartment in the world.
- **2014**: Program presented to USDA NIES.
- **2015**: Core compartmentalization team (USDA NPIP, Aviagen, Hyline, Cobb, & US POULTRY) began writing the Management Guidelines and Audit Checklists.
- **2017**: Aviagen Achieves first AI Clean Compartment in the USA.
Timeline of Events: 2017-2019

1st Application Received
Jan 2017

1st Compartmentalization Auditor Training Workshop and 1st batch of auditor graduates
Mar 2017

1st Compartmentalization Audits
Oct 2017

1st Compartment Certified
Aug 2017

2nd Audits Began
Jun 2018

Proposals passed for addition of Newcastle Disease Programs to NPIP at the 44th Biennial Conference
Jul 2018

1st Round of Recertification Audits Began
Oct 2018

2nd Workshop
Mar 2019

Compartment Certification Expected
2nd Workshop
May 2019

June 2019?
Participation

- **Aviagen**: certified in 2017, first renewal in 2018, audits scheduled for August 12-30
- **Cobb**: audits began in 2018, expect certification this summer
- **Hy-Line**: expected to apply in 2020
Program Standard F = Compartmentalization
Two Core Documents

- Management Guidelines
- Audit Checklists
1st Auditor Training Workshop

NPIP’s First Avian Influenza Compartmentalization Auditor Certification Workshop

Georgia Poultry Laboratory Network – Gainesville, GA
January 10-13, 2017
2nd Auditor Training Workshop
Auditors

- 12 Federal VMO’s
- 4 Private Auditors
The Role of the Auditor

- Federal VMO with poultry experience or a licensed, accredited, board-certified (ACPV) poultry veterinarian
- No conflict of interest
- Be honorable and operate under the code of ethics
- Take compartmentalization auditor training course and pass the examination
- Re-certification every 4 years by enrolling again in the auditor training workshop
What Does the Compartment Include?

- Farms (100% audited initially, then 25% annually for renewal)
- Feedmill*
- Hatchery*
- Egg Depot*
- *Audited annually
Different Approach, Common Theme
Different Approach, Common Theme
Auditors in Action
Auditors in Action
Example Audit Finding

Real Life Scenarios

Before: Hole in the Fence

After: Hardware Cloth Installed to Patch Hole
Example Audit Finding

Real Life Scenarios

Before: Sign missing to Biosecure Zone

After: Sign Posted
13 States will Contain Compartment Components
## Role of the OSA in Compartmentalization

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<tbody>
<tr>
<td>OSA &amp; APHIS approve the primary breeder’s compartment(s) and all components</td>
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<td>OSA provides H5/H7 AI data for the state’s commercial poultry to APHIS upon request</td>
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<td>OSA &amp; NPIP work together to train and certify compartment auditors at workshops</td>
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<td>OSA &amp; APHIS may verify documentation of compartment maintenance</td>
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<td>OSA and APHIS certify the health status of the compartment flocks and their products</td>
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<td>OSA &amp; APHIS will conduct audits at least once every 2 years</td>
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<td>Share information to facilitate trade negotiations</td>
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*STATE MUST HAVE ISRCP*
Appendix C: Application Form A: U.S. Avian Influenza Clean Compartment Registration

C. Questionnaire. To be completed by each Official State Agency

Please place a check mark by the answer that applies.

Yes  No

Is the company seeking certification in the U.S. H5/H7 Avian Influenza Clean Compartment program a participant in good standing with the NPIP: U.S. H5/H7 Avian Influenza Clean Program for Turkey Breeding Flocks?  

<table>
<thead>
<tr>
<th>Yes</th>
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Is the company seeking certification in the U.S. Avian Influenza Clean Compartment program a participant in good standing with the NPIP: U.S. Avian Influenza Clean Program for Primary Egg-Type Chicken Breeding?  

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Within the company, are all operations seeking certification as components within the registered compartment in the U.S. Avian Influenza Clean Compartment program (for egg-type chicken breeding flocks and meat-type chicken breeding flocks) or the U.S. H5/H7 Avian Influenza Clean Compartment (for turkey breeding flocks) located in a State which has an APHIS-approved Initial State Response and Containment Plan?  

<table>
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<th>Yes</th>
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</table>

Does the company seeking certification in the U.S. Avian Influenza Clean Compartment program perform routine surveillance of all flocks within the compartment in an NPIP-authorized laboratory which is certified to test for AI?  

<table>
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<th>Yes</th>
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CERTIFICATION OF OFFICIAL STATE AGENT or AGENTS

I DO HEREBY CERTIFY THAT ALL STATEMENTS MADE BY ME IN THIS APPLICATION ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE, INFORMATION OR BELIEF. FURTHER, I UNDERSTAND THAT IN THE EVENT I HAVE KNOWINGLY AND WILLFULLY MADE ANY FALSE STATEMENTS, I WILL BE LIABLE FOR PUNISHMENT IN ACCORDANCE WITH ALL APPLICABLE LAWS AND STATUTES.

State:  
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pp. 32-33 of Standard F
Appendix D: Application Form B: U.S. Avian Influenza Clean Compartment Component Registration

ONE PER COMPARTMENT

F. Verification. To be completed by each Official State Agency.

Please place a check mark by the answer that applies.

<table>
<thead>
<tr>
<th></th>
<th>YES</th>
<th>NO</th>
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<td></td>
<td>✓</td>
</tr>
<tr>
<td>Is the company seeking certification in the U.S. Avian Influenza Clean Compartment program a participant in good standing with the NPIP U.S. Avian Influenza Clean Program for Primary Egg-Type Chicken Breeding Flocks?</td>
<td>✓</td>
<td></td>
</tr>
<tr>
<td>Is the company seeking certification in the U.S. Avian Influenza Clean Compartment program a participant in good standing with the NPIP U.S. Avian Influenza Clean Program for Primary Meat-Type Chicken Breeding Flocks?</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Within the company, are all operations seeking certification as components within the registered compartment in the U.S. Avian Influenza Clean Compartment program (for egg-type chicken breeding flocks and meat-type chicken breeding flocks) or the U.S. H5/H7 Avian Influenza Clean Compartment</td>
<td>✓</td>
<td></td>
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CERTIFICATION OF OFFICIAL STATE AGENCY/AGRICULTURIST

I do hereby certify that all statements and information contained in this application are true and correct to the best of my knowledge, information and belief and I have obtained all necessary official State Agency certification. Further, I understand that if at the event I have knowingly and willfully made any false statement, I will be liable for punishment in accordance with all applicable laws and statutes.

SIGN HERE

pp. 39-40 of Standard F
Appendix E: Application Form C:

U.S. Avian Influenza Clean Compartment

Component Removal

C. Verification. To be completed by each Official State Agency. Please place a check mark by the answer that applies.

<table>
<thead>
<tr>
<th>YES</th>
<th>NO</th>
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<tbody>
<tr>
<td>Is the component of the compartment part of a company that is a participant in the U.S. H5/H7 Avian Influenza Clean Compartment program and in good standing with the NPIP: U.S. H5/H7 Avian Influenza Clean Program for Turkey Breeding Flocks?</td>
<td>✓</td>
</tr>
<tr>
<td>Is the component of the compartment part of a company that is a participant in the U.S. Avian Influenza Clean Compartment program and in good standing with the NPIP: U.S. Avian Influenza Clean Program for Primary Egg-Type Chicken Breeding Flocks?</td>
<td>✓</td>
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<tr>
<td>Is the component of the compartment part of a company that is a participant in the U.S. Avian Influenza Clean Compartment program and in good standing with the NPIP: U.S. Avian Influenza Clean Program for Primary Meat-Type Chicken Breeding Flocks?</td>
<td>✓</td>
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<tr>
<td>Within the company, are all other operations certified as components within the registered compartment part of the U.S. Avian Influenza Clean Compartment program (for egg-type chicken breeding flocks and meat-type chicken breeding flocks) or the U.S. H5/H7 Avian Influenza Clean Compartment (for turkey breeding flocks) and located in a State which has an APHIS-approved Initial State Response and Containment Plan?</td>
<td>✓</td>
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What’s New? What’s Next?

- Common Questions About Compartments
  - What about Newcastle?
  - What about reciprocity?
    - Compartment for swine to combat ASF?
    - Compartment for other sectors of poultry industry?
  - Will the compartment work?
Newcastle

- Established NPIP AI Programs
  - AI Clean Program for Subpart G & H
  - H5/H7 AI Clean Program for Subpart D
- NPIP ND Programs
  - NDV Clean Program for Subparts D, G, & H
  - 7 NDV Clean proposals by primary breeder group for 2018 NPIP Biennial Conference (Franklin, TN)
  - All passed to add to Program Standards and 9 CFR
Reciprocity Discussion

Evaluation and Recognition of the Animal Health Status of Compartments

A Proposed Rule by the Animal and Plant Health

ACTION:

Proposed rule.

SUMMARY:

We are proposing to establish standards to allow us to recognize compartments for animal disease status, consistent with World Organization for Animal Health international standards. Under this proposed rule, when a foreign government submits a request for recognition of a compartment, we would conduct a disease risk assessment based on a list of eight factors that closely parallel those we use when conducting regionalization evaluations, and we would provide for public notice of and comment on the risk assessment. We would also add provisions for imposing import restrictions and/or prohibitions when a compartment we have recognized as disease-free experiences an outbreak and for lifting those sanctions once the outbreak has been controlled. These proposed standards would provide a tool that may be used to preserve international trade when regionalization is not feasible.
Do Compartments Work?

- Unofficial testing of the compartment
Special thanks to my colleagues at USDA, Aviagen, Cobb, Hy-Line, and US Poultry and also a special thanks to the Official State Agencies for the work on compartmentalization.

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Animal and Plant Health Inspection Service
Veterinary Services
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