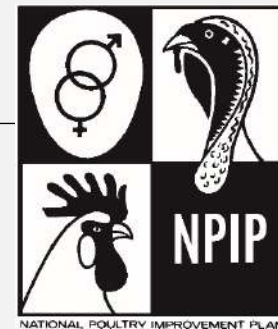




United States Department of Agriculture



The 14 Biosecurity Principles

Elena L. Behnke, DVM, MAHM, DACPV
Veterinary Coordinator
National Poultry Improvement Plan
USDA APHIS VS

April 20, 2017

NPIP Objective



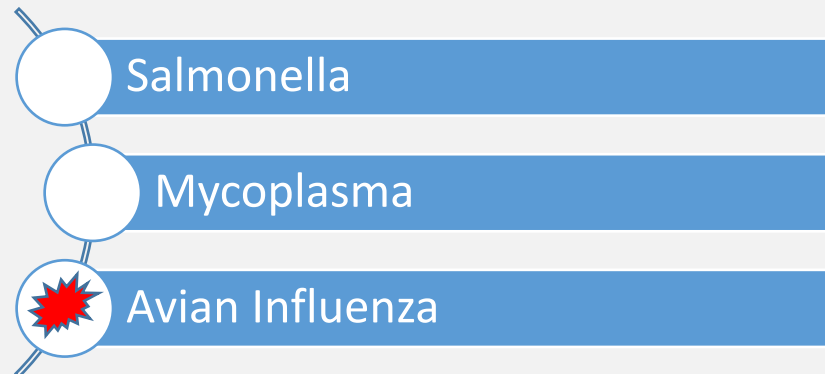
- To provide a cooperative program through which Industry, State, and Federal officials work together to approve and use new diagnostic technology for the improvement of poultry and poultry products throughout the country for assisting trade.



NPIP Objective



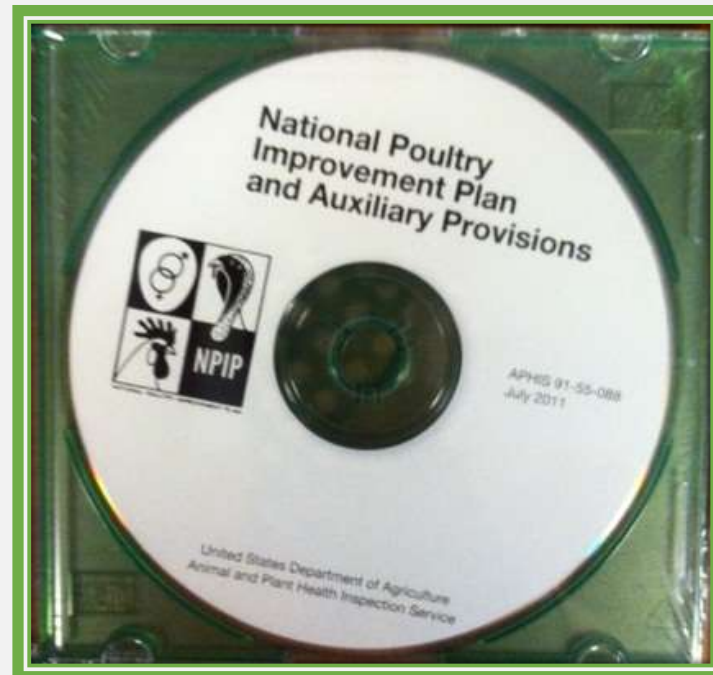
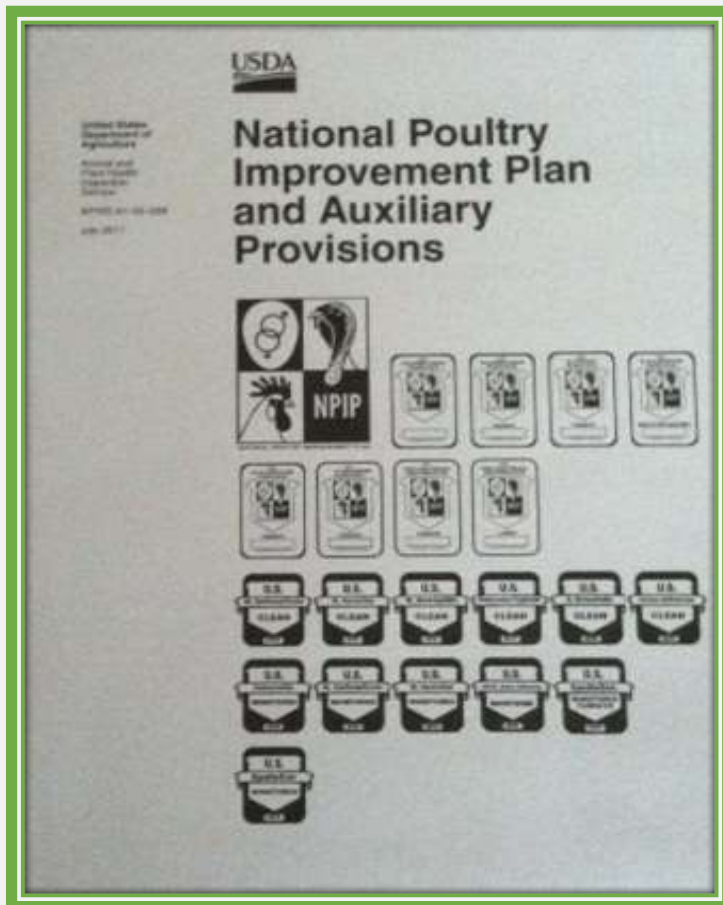
- By monitoring the health status of commercial flocks and providing programs for breeding flocks
- And setting the regulatory standard for sample collection, diagnostic testing, and lab protocols for



NPIP - 9 CFR

Provisions of the NPIP are developed jointly by Industry, State and Federal Officials

<http://www.poultryimprovement.org>



NPIP Overview

- NPIP Senior Coordinator (VMO) – Dr. Denise Brinson
- NPIP Veterinary Coordinator (VMO) – Dr. Elena Behnke
- NPIP Veterinary Coordinator (VMO) – Dr. Christina Lindsey
- NPIP Program Analyst – Ms. Penny Kesler
- NPIP Program Specialist – Ms. Meta Walker



The 14 Biosecurity Principles

- What are they?
- When were they developed?
- Why were they developed?
- Who had input?
- Where will they be implemented and how?



Timeline of Events

Multi-State - Midwest



2015

Indiana

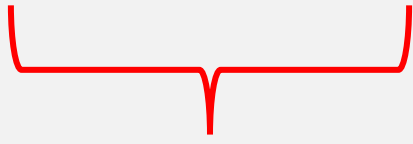
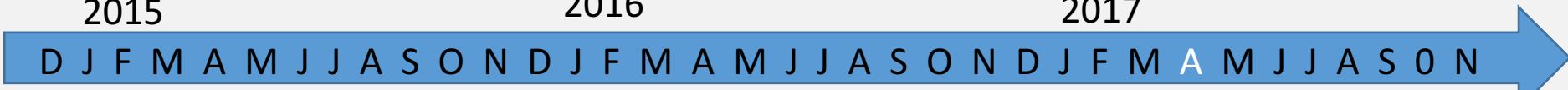


2016

Multi-State - South



2017



Development of the HPAI Interim Rule



HPAI Interim Rule in Effect



Development of the 14 Biosecurity Principles

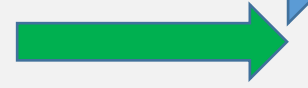
14 Biosecurity Principles Pass at Biennial Conference



Development of the Audit Tool and Guidelines for the 14 Biosecurity Principles



State Training



Implementation



The screenshot shows a web browser window with the URL <http://www.poultryimprovement.org/default.c>. The page features a green navigation bar with links: Home, Rapid Assays for Salmonella, NPIP Participants by State/Territory, APHIS Home, APHIS Poultry Team Contacts, and NPIP Database. A main content area on the left contains several dropdown menus: 'H5/H7 Avian Influenza Monitored Program', 'Upcoming NPIP Official Workshops', 'NPIP Program Standards', 'Stock Codes', and 'Authorized Laboratories'. The 'NPIP Program Standards' dropdown is open, showing options: 'Program Standards- Standards A-E' (highlighted in blue and pointed to by a red arrow), 'Program Standards- Standards F-Compartmentalization', and 'NPIP Resources'. To the right, there is a section titled 'NPIP Certification Programs' with five icons representing different pathogens: U.S. Avian Influenza (CLEAN), U.S. M. Gallisepticum (MONITORED), U.S. H5N1 Avian Influenza (CLEAN), U.S. S. Enteritidis (CLEAN), and U.S. H5N1 Avian Influenza (MONITORED). Below this is a large green heading 'Poultry Disease Information' and a paragraph of text: 'The National Poultry Improvement Plan was established in the early 1930's to provide a cooperative industry, state, and federal program through which new diagnostic technology can be effectively applied to the improvement of poultry and poultry products'.

Standard E (On the NPIP Website)

<http://www.poultryimprovement.org/documents/ProgramStandardsJanuary2017.pdf>

Preamble

Based on the flock size as stated in the 9 CFR 53.10, the following minimum management practices and principles are designed to prevent the introduction and spread of infectious diseases.



Size Matters

Bird Type	LPAI (NPIP)	HPAI (Interim Rule)
Layers	75,000 on premises	Raise 75,000/year
Broilers	Slaughter 200,000/week	Raise 100,000/year
Turkeys	Slaughter 2 million/year	Raise 30,000/year
Waterfowl and UGB	Slaughter 50,000/year	Raise 25,000/year
RFR	Raise 25,000/year	Raise 25,000/year

1) Biosecurity Responsibility

The **Biosecurity Coordinator** is responsible for the development, implementation, maintenance and ongoing effectiveness of the biosecurity program. Depending on the type and size of poultry operation, the Biosecurity Coordinator's responsibility **could be at the farm, production site, production complex, or company level.**

The Biosecurity Coordinator should be knowledgeable in the principles of biosecurity. The Biosecurity Coordinator, along with the personnel and caretakers on the farms and production sites are responsible for the implementation of the biosecurity program. The Biosecurity Coordinator should review the biosecurity program at least once during each calendar year and make revisions as necessary.

2) Training

The biosecurity program should include training materials that cover both farm site-specific procedures as well as premises-wide and/or company-wide procedures as appropriate. All poultry owners and caretakers that regularly enter the perimeter buffer area (PBA) must complete this training. The training must be done at least once per calendar year and documented. New poultry caretakers should be trained at hire. Training records should be retained as stated in Title 9-CFR §145.12(b) and 146.11(e).



- 3) LOS (Line of Separation)
- 4) PBA (Perimeter Buffer Area)
- 5) Personnel
- 6) Wild Birds, Rodents, Insects
- 7) Equipment and Vehicles
- 8) Mortality Disposal
- 9) Manure and Litter Management
- 10) Replacement Poultry
- 11) Water Supplies
- 12) Feed and Litter Replacement
- 13) Reporting of Elevated M/M

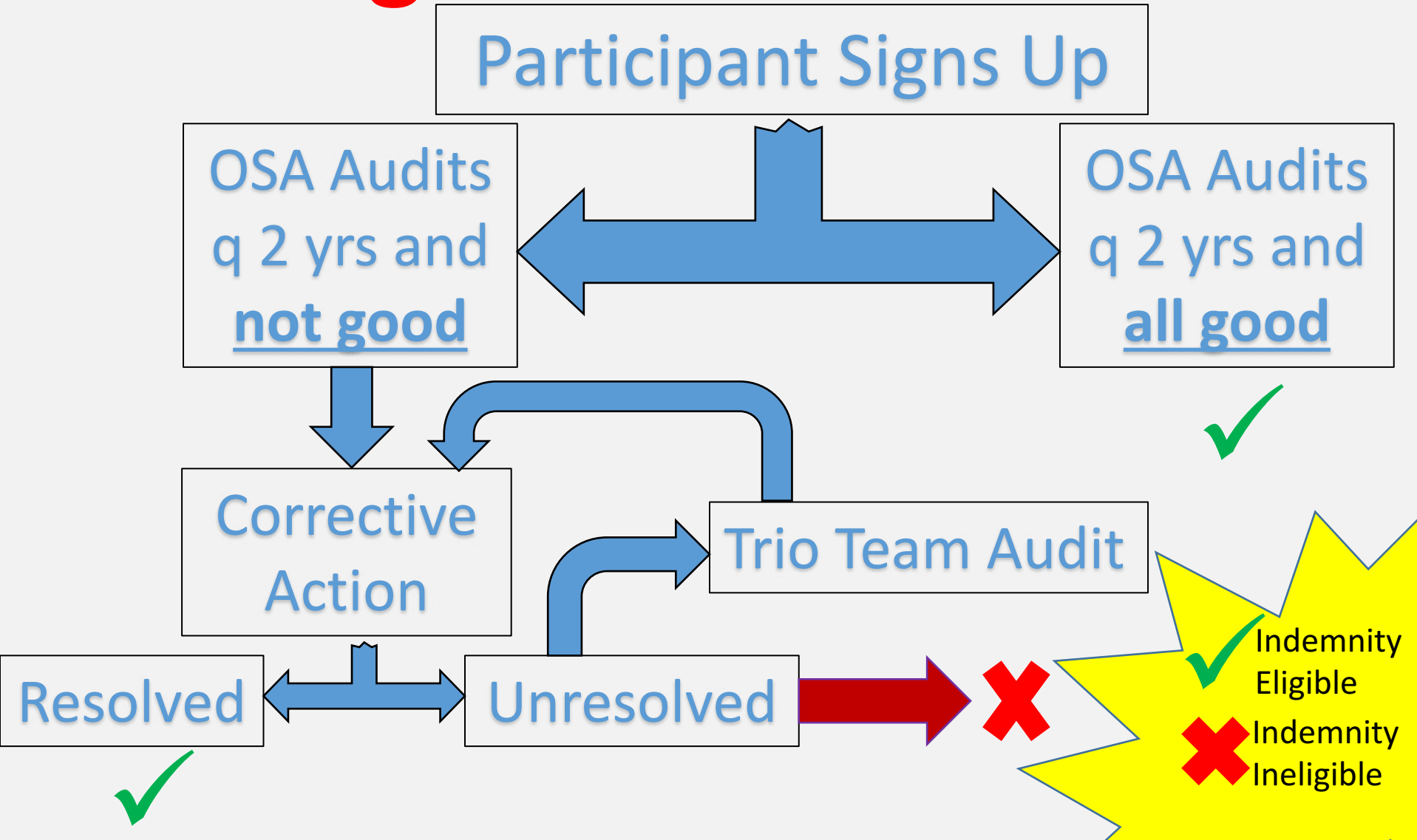
14) Auditing

- Auditing of the biosecurity principles is based on flock size as outlined in 9 CFR 53.10. Audits shall be conducted at least once every two years or a sufficient number of times during that period by the Official State Agency to ensure the participant is in compliance. Each audit shall require the biosecurity plan's training materials, documentation of implementation of the NPIP Biosecurity Principles, corrective actions taken, and the Biosecurity Coordinator's annual review to be audited for completeness and compliance with the NPIP Biosecurity Principles. An audit summary report containing satisfactory and unsatisfactory audits will be provided to the NPIP National Office by the OSAs.

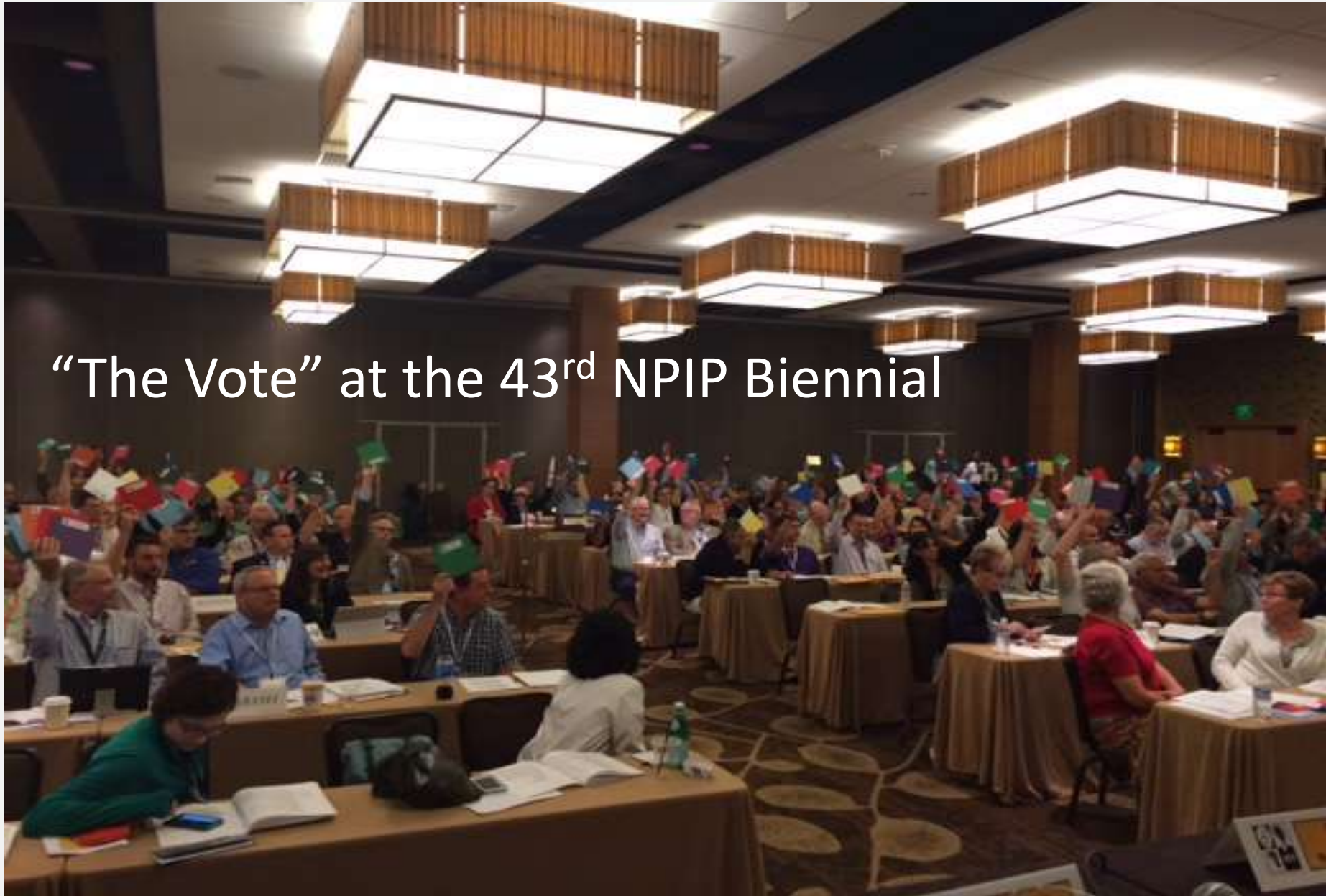
14) Auditing

- Those participants who **failed the initial document audit conducted by the NPIP OSA** may elect to have a check audit performed by a team appointed by National NPIP Office including: an **APHIS poultry subject matter expert, the OSA, and a licensed, accredited poultry veterinarian familiar with that type of operation.** If these participants seek to be reinstated as being in compliance with the Biosecurity Principles by the NPIP OSA, they must demonstrate that corrective actions were taken following the audit by the team appointed by NPIP.

Auditing Tree



“The Vote” at the 43rd NPIP Biennial



Additional Guidance

- Since the 43rd Biennial Conference, the GCC has met periodically (weekly to every 3 weeks) to develop an audit tool (audit form and audit guidelines) for the Biosecurity Principles and has developed further direction and explanations for the 14 principles, with input from:
 - APHIS
 - Industry Organizations: UEP, NCC, NTF, NAGA
 - USPOULTRY and Egg Association
 - USAPEEC
 - Poultry Industry Representatives
 - States



Next Steps

- GCC is finalizing the audit guidelines.
 - These are further clarifications for each biosecurity principle and instructions on performing the audit.
- Training of the OSA's will take place at the OSA meeting in 4 weeks:
 - At the OSA Meeting in Portland, ME (May 16-17, 2017).
 - Q/A sessions, mock scenarios.
- No comments received on the Program Standards that were published for the 30-day comment period.
 - The Program Standards with the Biosecurity Principles will be published officially soon.



Thank you for the invitation!

Questions?

Dr. Elena L. Behnke

Dr. Denise L. Brinson

Dr. Christina P. Lindsey

NPIP National Office

1506 Klondike Road – Conyers, GA

770-922-3496