Traceability Advancement Updates

National Institute for Animal Agriculture 2018 Strategy Forum on Livestock Traceability

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Multi-Part Strategy to Achieve 4 Goals

Data Integration
Data Standards
Tag Issuance
Tag Retirement

Communication & Outreach
Financial Accountability
Regulations

IT Infrastructure Development
Current Status of Databases

Private Databases

3

SCS
CoreOne

USA
HERDS

**14 STATES UTILIZE USA HERDS

3

AMS-
Certification
Programs

4

Third Party
Verification
Companies

USDA Database (Public)

**29 STATES UTILIZE USDA-Provided SCS

Surveillance
Collaboration
Services (SCS)

Data are owned by entities at different levels and locations depending on function and need.
Priority 1: Data Sharing - AHER

Private Databases

An MOU with the private database holders is needed to establish access to the information in these databases.

Only 6 key standard data elements are needed.
Data Sharing

**Goal:** To provide a model for other states and private entities to follow, while overcoming many of the privacy issues

**Progress:** Partnership with 2 States for pilot projects with very different ID and data sharing models to provide data to AHER;

Agreement with Computer Aid to build report to extract key data elements
Priority 2: Increase use of Electronic ID

Electronic is the **ONLY** way to have an efficient nationwide system.

- Phase out free visual ID tags (2019)
- Cost-sharing for EID tags
- Improve tag acquisition process
- State funds for EID and electronic records management tied to ADT cooperative agreements
Priority 3: Track from Birth to Slaughter

**Birth**
- Collaborate with registration and other groups to share few elements from privatized data systems

**Event**
- Veterinarians wand EID tags and enter into system with test data or certificates for veterinary inspection
- Test records for programmatic diseases – we already have.
- Integration with privately held databases for key elements

**Slaughter**
- Implement tag retirement process for purchasing hardware for ID capture at slaughter facilities
- Date, plant number and ID are directly sent to AHER
**Goal:** To implement this into remaining slaughter plants and provide reader hardware for interested participants

**Progress:**
- 3.7M tags retired 2012-2018
- APHIS is negotiating with 14 slaughter plants to share tag retirement data.
- Six plants verbally agreed to share, in addition to ones that currently share data for VS program testing
Priority 4: Electronic Health Certificates

**Goal:** Stakeholder collaboration to develop agreed upon data standards to allow various databases to send and receive information

**Progress:**
- The United States Animal Health Association (USAHA) group led the development of standards, to be presented in October 2018.
- Once approved, USDA will incorporate the standards into its systems.
- Anticipate this will set baseline for international standards, expected to be published in 2021.
Key Focus Area: IT Modernization

AIMS
Animal Identification Management System

- July 2018: AIMS Refractor project updates outdated platform and adds automatic tag retirement
- Aug. 2018: 3.7 million + existing official IDs retired
- FY20: Modernization of tag management system

MIM Modernization
Mobile Information Management

- Sept. 2019: Messaging Service replaces MIM repository, provides information exchange
- FY20: User-friendly web interface for uploading data and generating official forms; replaces MIM desktop application
- FY20: Mobile applications for free ICVI and Program disease record submission
- FY20: Automate messaging from USAHerds to AHER; User-friendly web-interface and mobile apps for editing PINS
Key Focus Area: Standards

Standards for Electronic ID tags, Data Element integrations and electronic health certificates

- Readability
- Retention
- Performance in varied environmental conditions
- Consistency with national and international standard
Key Focus Area: Communication and Outreach

• Collaborate with interested States, industry groups
• Utilize pilots and partners to demonstrate success
• Create common understanding about the benefits of ADT
• Communicate expectations of accountability
• Find and communicate the incentives for each stakeholder involved
Questions?

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