National Animal Identification System

“Agriculture Outlook Forum 2005”

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Neil Hammerschmidt, Coordinator
National Animal Identification System
USDA, APHIS, VS
December 30, 2003
USDA announced they would implement a national animal identification system

April 27, 2004
$18.8 CCC to support initial development of the National Animal Identification System (NAIS)

• Implementation to start on a voluntary basis
• Eventual requirements for premises and animal identification
Why does USDA APHIS want Animal ID?

To establish the foundation for an animal information system necessary to support our animal disease control, eradication, monitoring and surveillance programs.
The goal of the NAIS is to have the capability to identify all animals and premises that had direct contact with a foreign animal disease (FAD) or disease of concern within 48 hours after discovery.
“Standards”

... critical to achieve national identification
Standard: US Premises Identification Number

- Unique number entire United States
- Format
  - 7 characters
  - Example: A23T567

Right most character is a check digit
National Animal Identification System

Standard:

- Animal ID
- Group/lot ID

Safeguarding Animal Agriculture

USDA

Veterinary Services

Safeguarding Animal Health
Animal Identification

**Individual Animals**

**Standard: Individual Animal Identification**

- Country Code (3 numeric) 840 = USA
- 12 digit animal number

Example: 840 002 134 567 892
Animal Identification

**Group/Lot of Animals**

Identifying a Group or Lot of is applicable when the entire group moves through the production chain as one unit.

**Standard #3 Group/Lot Identification Number** (page 16)

- Premises ID number
- Date the group was created

Example: A23T567 103002
National Animal Identification System

NAIS “systems” components:

- National Premises System
- National Animal Identification & Tracking
1st Priority - Premises Registration

Why is premises identification so important?
… a “must have” to track livestock movements.

The unique National Premises Identification Number provides the capability of the system to determine commingling of cattle at the location.
National Premises System

• Premises Number Allocator

• Premises Registration System
  – States/Tribes responsible for the administration of premises registration

• National Premises Information Repository
National Premises System

- **Premises Number Allocator**
  - Generates a nationally unique unique number
  - 7-character ID - Example: **A123R69**
  - Location (Address, GPS, Township/Range/Section)
  - Developed and maintained at CEAH
National Premises System

Premises Registration Systems

- Standard Premises Registration System (SPRS)
  - Provided by USDA APHIS
  - Developed 2003/04 by WI Livestock ID Consortium
  - No cost to acquire system (developed with federal funds)
  - Now “housed” and maintained by CEAH
  - Web based; each state has secured/partitioned area
National Premises System

Premises Registration Systems

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  - 37 States and 3 Tribe have requested the SPRS
  - 28 States and 2 Tribes are currently operational
National Premises System

- **Premises Registration Systems**
  - Compliant Premises Registration Systems
    - State or 3rd Party developed, supported and maintained
National Premises System

Premises Registration Systems

- Compliant Premises Registration Systems
  - State or Third Party developed, supported and maintained
    - 5 CPRS
      (3) States: NE, PA, CA (OR uses CA)
      (2) 3rd Party: GAM – ID, UT, NV
        - RMS – CO, NM, AZ & 2 tribes
    - 3 additional system under review
National Premises System

- 38 state and 4 tribes are now operational
- Goal is to have all States “operational” on premises registration by July 2005
National Premises System

- 40,000 premises have been registered through NAIS
- 133,000 premises numbers have been allocated for all programs (END accounted for large percentage)
NAIS "systems" components:

- National Premises System
- National Animal Identification & Tracking
National Animal Identification System

National Animal ID & Tracking System

• AIN Management System
• Animal Identification & Tracking Systems
  – Standardized Animal ID & Tracking System
  – Compliant Animal ID & Tracking System
• National Animal Records Repository
AIN Tags

- AIN tags are the de-facto standard for certain species when visual, unique individual animal identification is necessary.

- The basic requirements:
  - Tags are designed for one-time use (tamper evident).
  - Tags cannot be readily altered.
  - The AIN and US Shield must be imprinted on the tag.
  - The printing on the tag must be easily readable for the life of the tag.
AIN Tags

• Cattle industry recommends ISO 11748 and 11785 compliant radio frequency identification ear tags

• RF/AIN tags have 15 digit code printed on the tags

☑ Meets minimum AIN TAG requirements
  ☑ Tamper evident
  ☑ Number printed on the tag
National Animal ID & Tracking System

• Reporting animal locations/movements

✓ “Point of Origin” ID

Achieved with the allocation of the ID Tag to a Premises and recording the allocation.
National Animal Identification System

National Animal ID & Tracking System

• Reporting animal locations/movements
  ✓ “Point of Origin” ID
  ✓ Interstate Movements
National Animal Identification System

Animal ID & Tracking System

• Reporting animal locations/movements
• Point of Origin” ID
• Interstate Movements

✓ Termination (Slaughter Plants)
National Animal Identification System

National Animal ID & Tracking System

• Reporting animal locations/movements
  ✓ “Point of Origin” ID
  ✓ Interstate Movements
  ✓ Termination (Slaughter Plants)
  ✓ Markets/Assembly Points/Feedlots
....an enormous undertaking that can only be successful with an industry/government partnership!

Thank You!