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National Animal Identification System

“Agriculture Outlook Forum 2005”

February 25, 2005

Neil Hammerschmidt, Coordinator
National Animal Identification System
USDA, APHIS, VS

National Animal Identification System

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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



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National Animal Identification System

Why does USDA APHIS want Animal ID?

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To establish the foundation for an animal information system necessary to support our animal disease control, eradication, monitoring and surveillance programs.



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GOAL

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.



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“Standards”

... critical to achieve national identification



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Standard:

US Premises Identification Number

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



Right most character is a check digit



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Standard:

- Animal ID
- Group/lot ID



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Animal Identification

Individual Animals

Standard: Individual Animal Identification

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

Example: 840002 134 567 892



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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



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NAIS "systems" components:

- National Premises System
- National Animal Identification & Tracking



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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.



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National Premises System

- Premises Number Allocator
- Premises Registration System
 - States/Tribes responsible for the administration of premises registration
- National Premises Information Repository



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National Premises System

□ Premises Number Allocator

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



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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



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National Premises System

□ Premises Registration Systems

- Standard Premises Registration System (SPRS)
 - Proposed by USDA APHIS
 - Drafted 02/04 by W/L Livestock ID Consortium

– **37 States and 3 Tribe have requested the SPRS**

– **28 States and 2 Tribes are currently operational**



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National Premises System

□ Premises Registration Systems

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



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National Premises System

□ Premises Registration Systems

- Compliant Premises Registration Systems
 - State
 - 3rd Party developed, supported and

- **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**



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National Premises System

□ Premises Registration Systems

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



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National Premises System

□ Premises Registration Systems

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



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NAIS "systems" components:

- National Premises System
- National Animal Identification & Tracking



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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



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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.



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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



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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.



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National Animal Identification System

National Animal ID & Tracking System ²⁵

- **Reporting animal locations/movements**
 - ✓ **“Point of Origin” ID**
 - ✓ **Interstate Movements**



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Animal ID & Tracking System

Animal locations/movements

"Point of Origin" ID

Interstate Movements

✓ Termination (Slaughter Plants)



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National Animal Identification System

National Animal ID & Tracking System ²⁷

- **Reporting animal locations/movements**
 - ✓ **“Point of Origin” ID**
 - ✓ **Interstate Movements**
 - ✓ **Termination (Slaughter Plants)**
 - ✓ **Markets/Assembly Points/Feedlots**



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....an enormous undertaking that can only be successful with an industry/government partnership!

Thank You!



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