Agenda

• GVL Overview
• Electronic Veterinary Feed Directives
• System Updates
• New GVL Services
• FeedLINK Demonstration
• Implementation Issues
• Feed Industry Pain Points/Discussion
GVL® Overview

• Dedicated to the animal health industry over 15 Years

• Connected to:
  – Over 2000 veterinary Practices
  – 6000 veterinarians
  – Over 400,000 animal owners
  – Over 1000 feed distributors

• Facilitated over 233 million animal movements

• Over 25,000 eVFDs written

• Accepted by ALL 50-states with USDA-approved Digital Signature technology
Solutions for Production Animals

FeedLINK™ Digital Veterinary Feed Directive System
• Facilitates easier fulfillment of VFDs with the appropriate FDA-directed certification requirements while enhancing communication between animal health stakeholders

HealthLINK™ eCVI System Powered by GVL SmartEngine™ Technology
• Easier and faster creation, submission and recordkeeping of electronic Certificate of Veterinary Inspection (eCVIs) certificates embracing all species

ScriptLINK™ Digital Rx Tracking System
• Manages oversight of antibiotic usage by optimizing prescribing habits and ensuring continued food safety by easily proving judicious use of antibiotics

LabLINK HIMS™ Health Information Management System
• Real-time digital diagnostic software solution that provides herd health management for disease monitoring, analysis and pathogen response
Timeline of GVL Electronic VFDs

1996
• Pulmotil® was first VFD on the market

2005
• GVL provides first electronic VFD

2012
• Complete system upgrade & rebrand for eVFDs anticipating new GFI

2015
• GVL releases update to FeedLINK to accommodate 6/3/15 rule
• Releases Feed Distributor login for FeedLINK
Updates for October 2015

- Vet Credentials
  - Remove license number from printed form
- Drug Substitutions
  - Vet must specify if substitute is NOT allowed
- Animal Location
  - Accommodate multiple locations where feed will be delivered
- Combination Drug Intent Statements
  - 3 Statements, vet chooses
- Indication
- Production Class
- Valid as of Oct 2015 Notation on PDF
Sample eVFD

**Veterinary Feed Directive (VFD) for Swine**

**15-SW-34795**

<table>
<thead>
<tr>
<th>Drug Name:</th>
<th>Pulmotil (Trimethaxine)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dosage and Duration:</td>
<td>142 grams for 10 days, 200 grams for 10 days, 360 grams for 1 day.</td>
</tr>
<tr>
<td>Species:</td>
<td>Swine</td>
</tr>
<tr>
<td>Production Class:</td>
<td>Nursery</td>
</tr>
<tr>
<td>Usual Number to be Fed:</td>
<td>300</td>
</tr>
<tr>
<td>Effective Date:</td>
<td>2015-08-30</td>
</tr>
<tr>
<td>Expiration Date:</td>
<td>2015-12-20</td>
</tr>
<tr>
<td>Special Instructions:</td>
<td>Special Instructions 1, Special Instructions 2, Special Instructions 3, Drug Substitutions is allowed</td>
</tr>
</tbody>
</table>

**Combination Feeding with Other Drugs:**
This VFD ONLY authorizes the use of the VFD drug(s) cited in this order and is NOT intended to authorize the use of such drug(s) in combination with any other animal drugs.

**Indications:**
For the control of swine respiratory disease (SRD) associated with Actinobacillus pleuropneumoniae and Pasteurella multocida.

**Warning:**
Swine intended for human consumption must not be slaughtered within 7 days of the last treatment of this drug product.

**Caution:**
- Do not allow horses or other equine access to feed containing trimethaxine. The safety of trimethaxine has not been established in ruminants intended for breeding purposes.
- Feed containing trimethaxine shall not be fed to pigs for more than 21 days during each phase of production without ceasing administration for re-evaluation of antimicrobial use by a veterinarian before re-initiating a further course of therapy with an appropriate antimicrobial.
- The expiration date for a combination Veterinary Feed Directive (VFD) for swine must not exceed 90 days from the time of issuance.
- Familiarize (ruminants) are not fed with this VFD drug.
- Federal law restricts this drug to use under the professional supervision of a licensed veterinarian. Animal health bearing or containing the veterinary feed directive drug shall be fed to animals only by or under the supervision of a licensed veterinarian who is supervised by the veterinarian's professional practice.

**Veterinarian's Signature:**
This is a legally binding equivalent of a handwritten signature

Signed by: [Signature]
Address: 1234 Town Road
City, State, Zip: 12345-6789
Phone: (123) 456-7890

I certify, as a licensed veterinarian, that the above information is accurate and correct, to the best of my knowledge. I certify that I have a current client relationship with the owner and/or managers of the animals.

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**FeedLINK™ Vision**

**Solid arrow** represents the flow of data today.

**Dashed arrow** represents the potential flow of data between stakeholders through the addition of user types in GVL and third party software integration for fulfillment and usage data collection.
New GVL® Services

• **Feed Distributor Login**
  – Released Dec. 4th, 2015
    » VFD Access
    » Storage
    » Easy Retrieval

• **Integration Services**
  – Feed Distributor Management Software Integration
    » Incorporate GVL eVFDs into software already being used in mills and on farms
    » Manage fulfillment
    » Monitor expirations
Replicate the Model for Scripts

- Producers
- ScriptLINK™
- Drug Sponsors
- Veterinarians
- Pharmacies & Distributors
FeedLINK™ (eVFD)

DEMONSTRATION
Implementation Issues

- Stakeholder understanding of VFDs and the new rule
- Increase in number of VFDs that will be written and fulfilled
- Communication logistics within various industries
- Paper burden and record-keeping requirements
- Awareness of electronic (paperless) solution
Discussion

• As an integral piece of the Veterinary Feed Directive puzzle, what pain points specific to your industry do you envision?
• If you could have anything in an electronic VFD system, what would that be?
Thank You!

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