EPCglobal HLS Update
State of Pedigree and EPC/RFID Standards

Global Healthcare User Group Meeting
Berlin, Germany

February 1, 2007
Mike Rose, Ron Bone & Ramesh Murthy
EPCglobal HLS Tri-Chairs
Standards Update
CA Enforcement Committee – 9/26/2006

Requirements Dev.
Standards Development

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<td>Pedigree Mgmt Use Cases</td>
<td>Pedigree Messaging Std</td>
<td>Item Level Tagging</td>
<td>Serialization</td>
<td>Decommissioning</td>
<td>Track &amp; Trace</td>
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- **Privacy**
  - IAG Business Case Dev.
  - IAG Business Rqmts Dev.
  - Business Requests
  - Form WG/JRG
  - Define Technical Rqmts w/EU
  - BSC/TSC Approval of EU Rqmts
  - Technical WG Formation
  - Prototype Test of Proposed Spec.
  - Standards Development
  - WG Review & Approve Candidate
  - Board Ratification of Standard

- **Security**
  - 30 DAY IP Review

- **Vendor & Industry Adoption**
  - 3 Months
  - 5 Months
  - 10 Months

- 30 DAY IP Review

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Standards Update

Current Status

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- **Track & Trace**
- **Decommissioning**
- **Serialization**
- **Item Level Tagging**
- **Pedigree Messaging Std**
- **Pedigree Mgmt Use Cases**

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As of 9/26/2006

As of 1/9/2007

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IAG WG: 3 Months
IAG WG/JRG: 5 Months
TAG WG: 10 Months

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GS1 EPCglobal
Standards Update

Define all supply chain use cases, processes and information needs for use in creating a Pedigree Messaging Standard.

Status: Complete
Standards Update

Define a standard format for a Pedigree Messaging standard that will meet all current Federal and State Pedigree requirements.

**Status:**
- All Standards work complete (Certification Requirements due 12/20/2006).
- Prototype event was successful.
- Passed Technical Review
- Intellectual Property Review period started
- **Ratified standard**

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Standards Update

Define requirements for tagging pharmaceuticals at the item level. Include requirements for manufacturing lines, distribution environments, transportation and Retail environment.

Status:

- Requirements complete. Resulted in a High Frequency technical working group to define the standard.
- HF & UHF initiatives underway to provide uniform air interface protocol at item level.
- HF Standard expected ‘07.
Standards Update

Define requirements the EPC identifier to be encoded on an RFID tag.

**Status:**

- Requirements complete. Identified 2 GS1 identifiers [Global Trade Item Number (GTIN) and Serialized Shipping Container Number (SSCC)] to be used.
- Collaborating with GS1/HUG via the “Global Healthcare Initiative” -- starting with Serialization.

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Standards Update

Define requirements and/or guidelines for decommissioning tags as they leave the supply chain.

**Status:**
- HLS Work Group to be chartered & initiated February 2007
- DEA interest in this capability is extremely high
- Solutions expected to span a mix of hardware, software and process responses
- Potential for this work to expand cross-industry
Standards Update

Define supply chain use cases, processes and information needs for sharing EPC related data for forward and reverse logistics.

Status:
- Forward & Reverse Logistics (Returns) processes and data exchanges completed
- Common vocabularies and location identifiers drafted
- Additional use cases to be addressed:
  - 3rd Party Logistics Providers & Repackers
  - Product Recall
- Data Sharing Strategy & Guidelines are currently being addressed
- Pedigree-on-Demand concepts being Investigated
  - IBM/VeriSign – Solution Provider Perspective
  - Cardinal Health – Supply Chain End-User Perspective
Next Steps

• Walk Board of Pharmacy through Pedigree scenarios

• Host workshop for Regulators from States with electronic pedigree bills

• Industry Adoption WG formed
  – Working with Industry Associations on Serialization & Item Level Tagging issues

• Upcoming events:
  – EPCglobal RFID Hospital Summit – February 20, 2007 in San Diego, CA
  – Ongoing Standards Work
    • Serialization
    • Item Level Tagging
    • Track and Trace

• Provide regular status updates to CA BoP
Questions?