

iSavent



The Future of Livestock Identification and Tracking





Who is iSavent Corporation?

iSavent provides complete industrial-based RFID solutions.

- Founded in 2004.
- Developed 3 essential software components for RFID and barcode integration and tracking.
- Architecture based on international standards.
- Provides data integration services.
- Reseller of RFID hardware and tags.



iSavent Corporation – USDA Support

- Approved USDA interim development partner.
- Providing government agencies, livestock associations and private industry:
 - Complete USDA compliant livestock tracking solution.
 - USDA inspected/approved hosting site.
 - Single source for 24/7 hosting support, data entry and livestock tag kits.



History of Livestock Tracking

Animals have been tracked for over 4,000 years.

- Ancient Egyptians used branding to track herds.
- Biblical reference (Gen. 30) to using natural markings for tracking herds.





History of Livestock Identification

Livestock Identification began in early 1960's to protect US against outbreaks.

- Tagging is currently performed using various methods and tag materials.

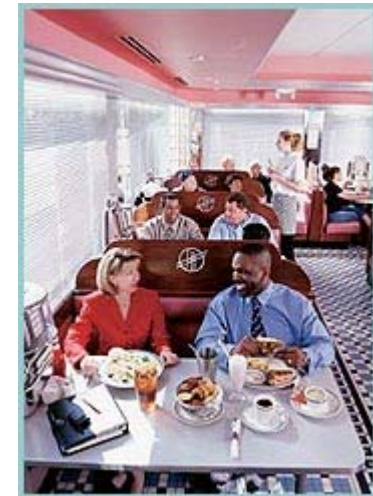




Privacy vs. Public Safety

Maintaining privacy is currently a critical issue.

- Public safety has a direct tradeoff with privacy.
- Livestock tracking must sufficiently progress to protect the public.
- Public education will be necessary to help guard against negative reactions.





Current Issues - Identification

Identification technology have evolved but there is still concern.

- No clear standard.
- Tags carry insufficient information.
- Current tags (including RFID) have insufficient read range.
- Current RFID tags are too expensive.
- Some hardware fails in a variety of weather conditions.



Current Issues - Tracking

Current tracking applications have met some needs but still have long term issues.

- May lack integration path with other tracking applications.
- May not support emerging tag standards.
- Still significant data gaps.
- Overall architecture lacks 3 essential RFID-based software components.



Current Issues

Our tracking issues have economic and global impacts.

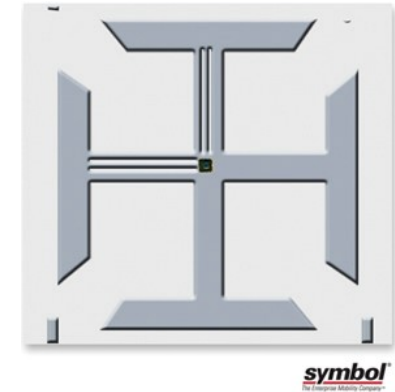
- Significant revenue losses in foreign trade due to bans by Europe, Soviet Union and Japan.
- Losses in foreign confidence.
- Potential loss domestic confidence.



The Future - Identification

A few issues for livestock identification is currently being addressed.

- Emerging tag standards.
- Achieving better tag read distance.
- Ability to write critical data on tags.
- Development of durable hardware to work in severe conditions.





The Future - Tracking

The USDA has begun its interim development phase for livestock tracking. This and other USDA programs will bring:

- Increase of registering premises and tags.
- Availability of USDA trace-back queries.
- Inclusion of emerging RFID technology and standards.





iSavent – Livestock Tags

iSavent will offer RFID based livestock tags and hardware. This technology will feature:



- Significant reduction in tag cost.
- Support of legacy and new tag standards.
- Longer read distances using UHF-base RFID.
- Wireless hardware durable in all weather conditions.
- Automatic registration with a private tracking database.



iSavent and Privacy

iSavent takes privacy and security very seriously.

- “Honest Broker”.
- Contracts dictate what we do and who has what access.
- Only reporting data is processed.
- Our job is to report what we have according to the cooperative team framework and related technical specifications.





iSavent – Single Point Tracking

iSavent is developing a single point tracking solution based on pharmaceutical tracking.



- Compliance to USDA and state requirements.
- Security to protect the privacy of various premises and agencies.
- Easy Integration with current tracking applications.
- Data entry from automation, internet, phone and paper.



iSavent – Single Point Tracking (Cont)

- One integration point.
- Transfer IDs from other states.
- Transfer from one tag method or technology to another.
- Integration of lot numbers from plants.
- Continuous data protection.
- Integrate supply chain and retail tracking data.





iSavent Hosting

iSavent offers a USDA inspected and approved hosting site.

- Located in Taylorville, Illinois.
- Browser based.
- Currently supporting Illinois Tollway I-Pass.
- Data entry available for processing paper documents and faxes.
- Maintenance and upgrade support included.





iSavent Hosting (Cont)

Our hosting service provides:

- Side-by-side installations.
- Plant integration to report lot data.
- One point of integration
 - Between all internal/external installations.
 - USDA trace-backs.
- 24/7 call center for support and data entry.





iSavent - Benefits

The following benefits will be achieved with iSavent:

- Protecting against potential foreign bans and lost revenue.
- Reduced cost of software and tags.
- Accurate data and knowledge points.
- Hosting service retaining premise privacy.





iSavent – Benefits (Cont)

- No data gaps with multi-state data.
- Accurate product recalls from anywhere in the supply chain.
- Start with any method of tagging.
- 24/7 hosting, data entry and technical support.
- “Knowledge Point”





Spotlight Partner - Symbol

Symbol is the global leader in data collection and enterprise mobility products.

- Holds more than 900 patents including RFID and mobility equipment.
- RFID and barcode hardware meeting stringent durability requirements.
- RFID tags inlays
 - Longest range without battery.
 - Proven to be durable in harsh environments.





Spotlight Partner – Symbol (Cont)

- Symbol products support a wide variety of solutions:
 - Supply Chain
 - Warehouse Distribution
 - Manufacturing
 - Retail
 - Transportation
 - Military
 - And more





Conclusion

The combination of iSavent and Symbol can provide:

- Next generation livestock identification.
- Accurate single point tracking solution.
- Lower overall cost.
- Full integration.



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