Training Course on Animal Identification and Traceability Systems for Disease Control and Trade

Professional Development Training Course Outline

Category	Agriculture	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

Animal Identification and Traceability Systems (AITS) play a pivotal role in safeguarding animal health, enhancing food safety, and ensuring compliance with international trade standards. Training Course on Animal Identification and Traceability Systems for Disease Control and Trade is designed to build capacity among stakeholders in livestock production, veterinary services, agribusiness, and regulatory bodies. It equips participants with the necessary tools, technologies, and frameworks to implement efficient and secure traceability systems aligned with global best practices. The course leverages advanced digital tracking, biometrics, RFID technologies, blockchain applications, and policy integration for optimal disease control and seamless livestock product trade.

As livestock value chains become more complex, the demand for real-time tracking, regulatory compliance, and disease outbreak mitigation has never been higher. This course responds to that demand by offering practical insights into traceability system design, policy harmonization, data collection, stakeholder engagement, and technology-driven monitoring. Participants will engage in case-based learning, real-world simulations, and expert-led sessions aimed at advancing national and regional animal traceability frameworks that support One Health, sustainable agriculture, and global market access.

Programme Curriculum

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Training Objectives

1. Understand the role of animal identification in disease surveillance and food safety.
2. Explore global frameworks and standards for livestock traceability (OIE, WTO, Codex).
3. Learn modern animal identification technologies: RFID, ear tags, biometrics, and DNA-based systems.
4. Analyze blockchain applications in livestock traceability.
5. Design efficient traceability systems for national and regional implementation.
6. Strengthen capacity for animal health data collection and real-time reporting.
7. Identify risks and implement biosecurity measures through traceability tools.
8. Promote livestock product certification and trade facilitation.
9. Integrate traceability systems with national animal health information systems (NAHIS).
10. Foster public-private partnerships for sustainable traceability development.
11. Evaluate traceability systems using performance indicators and audit tools.
12. Understand legal, ethical, and privacy concerns in animal tracking.
13. Develop action plans for stakeholder engagement and community participation.

Target Audience

1. Veterinary officers and animal health practitioners
2. Livestock farmers and producer groups
3. Agribusiness entrepreneurs and exporters
4. Regulatory and standards bodies
5. Animal health data analysts
6. Agricultural extension officers
7. ICT and software developers in agri-tech
8. Policy makers and government officials

Course Duration: 5 days

Course Modules

Module 1: Foundations of Animal Identification Systems

- Importance of animal identification
- Types of identification: visual, electronic, biometric
- National and international frameworks
- Overview of compliance requirements
- Role of identification in disease surveillance
- *Case Study: Kenya's National Livestock Identification System (KLIS)*

Module 2: Livestock Traceability and Disease Control

- Traceability principles and definitions
- Trace-back and trace-forward mechanisms
- Identifying infection sources through traceability

- Integration with animal health information systems
- Response protocols for zoonotic outbreaks
- *Case Study: Foot-and-Mouth Disease Response in Botswana*

Module 3: Technologies in Animal Traceability

- RFID tags, barcodes, and biometrics
- Mobile apps and digital ID platforms
- Cloud-based data storage and analysis
- Geo-tagging and GPS tracking
- Cost-benefit analysis of technologies
- *Case Study: Brazil's SISBOV System*

Module 4: Legal, Ethical, and Policy Frameworks

- International trade requirements (WTO, Codex)
- National legal frameworks and enforcement
- Data privacy and farmer rights
- Role of government in policy harmonization
- Ethical issues in surveillance and data use
- *Case Study: EU Animal Health Law Implementation*

Module 5: Blockchain and Emerging Innovations

- Overview of blockchain technology
- Applications in livestock traceability
- Transparency and fraud prevention
- Smart contracts for animal health
- Integrating IoT with blockchain
- *Case Study: Australia's BeefLedger Project*

Module 6: Data Management and Reporting Tools

- Data collection standards and protocols
- Real-time monitoring systems
- Analytics for disease pattern detection
- Report generation and dashboards
- Interoperability with regional systems
- *Case Study: Namibia's Livestock Identification and Traceability System (NamLITS)*

Module 7: Stakeholder Engagement and Capacity Building

- Mapping stakeholders in traceability systems
- Role of producers, processors, and traders
- Training and capacity development strategies
- Participatory planning and community outreach
- Gender and youth inclusion in traceability
- *Case Study: Tanzania Livestock Identification and Traceability Awareness Campaign*

Module 8: Monitoring, Evaluation, and Sustainability

- Setting traceability performance indicators
- Monitoring tools and audit mechanisms
- Sustainability and funding models
- Continuous improvement and feedback loops
- National traceability action plans

- *Case Study: Uganda's TRACE Project Evaluation*

Training Methodology

- Interactive expert-led lectures
- Group discussions and stakeholder simulations
- Live demonstrations of traceability tech
- Case-based learning and field experiences
- Action plan development workshops
- Pre- and post-training assessments

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

Ready to enroll or request a customized program? Book online or contact us:

Register Online Now

Email: info@fineskilltrainingcenter.com | Website: www.fineskilltrainingcenter.com