

ICAR's Animal Identification Services

Testing and Certification of ID devices

Andie Dimitriadou - ICAR Secretariat
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QUICK FACTS ABOUT ICAR

- International NGO with 117 Members from 59 countries all over the world.
- Active in farm animal production sectors:
 - Identification
 - Performance recording
 - Genetic evaluation

Services:

- Guidelines
- Certification and evaluation services
- Knowledge sharing activities
- Networking

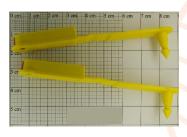


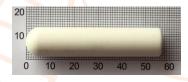
 Electronic devices: RFID ear tags, leg tags, tag attachments, ruminal boluses and injectable transponders (for horses and pets).

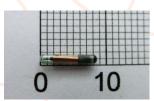
Conformance test with ISO standards 11784 and 11785 according to ISO standard 24631-1.

- 11784: Transponder code structure for the radio frequency identification of animals
- 11785: Technical concept for the radio frequency identification of animals (communication between transponder & transceiver)











- Electronic devices: ICAR offers also the Performance test according to standard ISO 24631-3.
 - Not obligatory.
 - Does not lead to a certificate.
 - Provides useful information about the performance e.g. read range of the transponder.

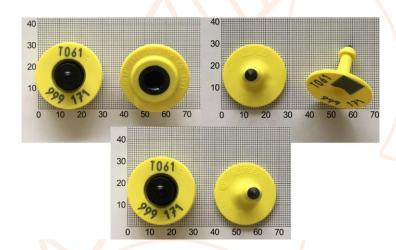


- Conventional ear tags: ICAR certifies the composition and environmental performance of the ear tags according to ICAR standards.
- Preliminary Assessment: ear tag design; locking mechanism; application test (axial and transverse test).
- Laboratory test: material characteristics; harmful substances; acid/alkaline bath treatment; ageing by damp heat and cold; resistance to artificial ageing; abrasive treatment; typography readability; colour contrast change; machine readability (optional); resistance of locking system.



- Full certification of RFID tags: RFID tags can be tested and certified for composition and environmental performance, plus conformance with ISO standards 11784/11785.
- Preliminary Assessment
- Laboratory test as outlined before







CERTIFICATION PROCEDURE

MFR APPLIES LAB ASSIGNED PREPAYMENT
&
SAMPLES

TEST
DONE &
REPORT
TO ICAR

REPORT & CERTIFICA-TE TO MFR

ICAR WEBSITE UPDATE

Full information for the testing/certification procedures (including application forms) of the different test types: See here.

- ICAR Certification lasts for 5 years
- After 5 years, test can be repeated and certification renewed for another 5 years. The device maintains its original product/ certification code.

Tests applied for re-certification:

- RFID devices: Limited test
- Conventional ear tags: Preliminary assessment



VALIDATION OF ID DEVICES

- Voluntary service for national Competent Authorities (not manufacturers or their agents).
- Quality verification to ensure that devices on the market remain compliant with the appropriate ISO and ICAR test protocols.
- Does not lead to certification of the devices.

Full information <u>here</u>.



FIELD TESTING OF ID DEVICES

- New protocol Future service
- Will be applicable to:
 - ICAR-certified/registered devices
 - For both RFID and conventional ear tags that have passed ICAR's Device Composition and Environmental Performance test
- Initially for cattle only
- Key role of national Competent Authorities

FIELD TEST PLAN

FIELD TEST EXECUTION

REVIEW OF TEST RESULTS

CERTIFICATE & PUBLICATION



MISUSE OF CERTIFICATION

- ICAR and ISO have specific rules for the use of the certification / registration of devices.
- In case of inappropriate use, specific measures are foreseen even withdrawal of the certification.
- Competent Authorities and farmers should report to ICAR any cases of misuse.
- Form for reporting misuse



PUBLICATION ON ICAR WEBSITE

RFID devices

- Currently certified <u>link</u> (Devices certified every 5 years by ICAR)
- Registered <u>link</u> (Devices registered for their lifetime)
- Conventional ear tags <u>link</u>

ICAR Certified Devices

- Conventional ear tags
 read more>
- RFID Devices
 - Full certification < read more>
 - Ear tags, Tag attachments, Boluses < read more>
 - Injectable transponder < read more>
- RFID Transceivers
 - < read more>

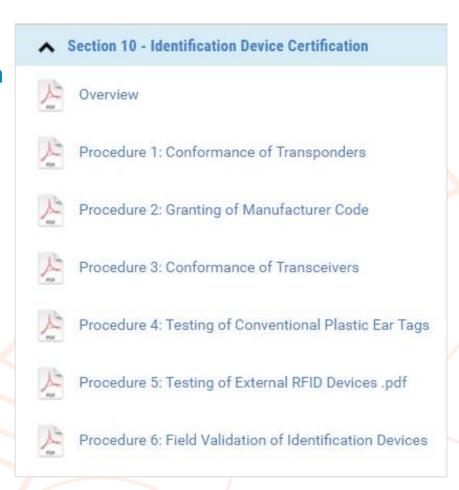
ICAR Registry of RFID Devices

- Registered RFID devices
 read more>
- Registered manufacturers signatories of Code of Conduct
 - < read more>



ICAR GUIDELINES

- Section 10 of ICAR Guidelines:
 Guidelines for Animal Identification
 Device Testing & Certification
- Includes the test protocols / procedures for all types of tests
- Link to ICAR Guidelines <u>here</u>.





QUESTIONS – CONTACTS

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ICAR website www.icar.org

Animal Identification webpage



