

Members



- Erik Rehben, France
- Folkert Onken, Germany
- Henry Richardson, UK
- Jay Mattison, USA
- Kaivo Ilves, Estonia (chair)
- Ken Evers, Australia

Members, subcommittee



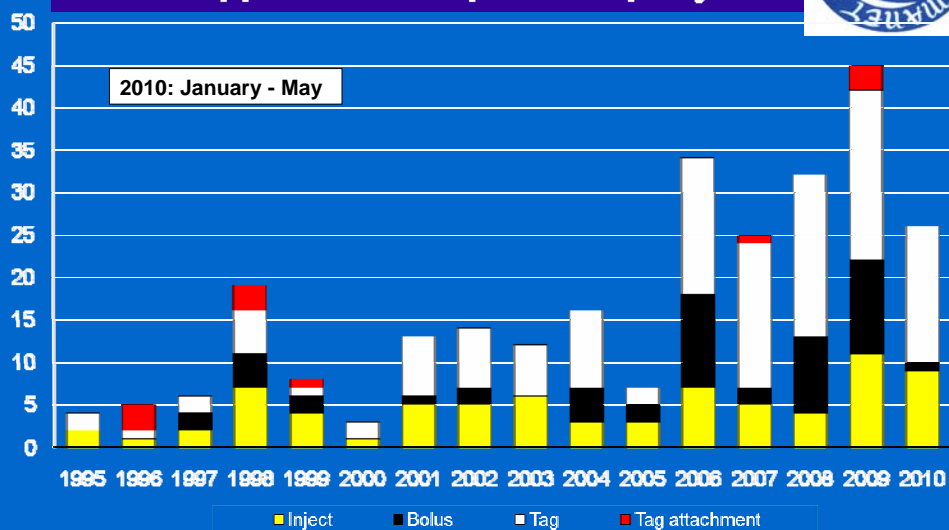
- Looking for members also from **other parts of the world**:
 - Asia, South America, Africa
 - Development countries
 - Technical expertise - test centre staff
- Three replacements since 2008

Major activities



- ICAR test protocols for RFID devices became **ISO standard 24631** by August 2009
- **Performance tests** on RFID devices well established during 2009

ICAR Approved transponders per year



Approved devices



- **Conformance test**
 - 132 ear tags
 - 75 injectables
 - 51 boluses
 - 11 tag attachments
 - 2 non synchronising portable readers
- **Performance test**
 - 25 ear tags
 - 3 injectables
 - 15 boluses

Conformance test

- Pass-or- Fail test
- Passed means **ICAR approval**
- Approved products on the **ICAR website**
- Provides **no information** about performance level

Performance test

- Test **performance level**
- **Different applications** need different levels
- Performance test date on **ICAR website**
- **Ask manufacturer** for results
- **ICAR performance test letter**

INTERNATIONAL COMMITTEE FOR ANIMAL RECORDING
(ICAR)

COMITE INTERNATIONAL POUR LE CONTROLE
DES PERFORMANCES EN ELEVAGE

INTERNATIONALES KOMITEE FÜR
LEISTUNGSPRÜFUNGEN IN DER TIERPRODUKTION

Manufacturer
Address

Sub-Committee for Animal Identification
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DK-4196 Aarhus
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Place and date

Performance test of XXX transponder, ICAR product code YYYYYY

According to your request a test was carried out on 5 transponders randomly chosen among 50. The test procedure applied is laid down in ISO standard 24631 - 3 "Evaluation of the performance of ISO 11874 and ISO 11783 RFID transponders". The test was performed at CCC, which is an ICAR approved test centre.

The objective of the test is to measure performance characteristics of the above said transponder. This can be obtained by measuring the minimal activating magnetic field strength needed for transmitting of the information and the modulation amplitude. Additional measurements are the bit length stability of the FDX B transponders and the frequency stability of the HDX transponders.

The results are as follows (HDXX):

Magnetic field strength (A/m)	Modulation amplitude (%)	Frequency stability F'1 (kHz)	Frequency stability F'0 (kHz)
Minimal activating field strength: 0.656	0.019	0.29	0.26
1 A/m	0.029	0.26	0.22
10 A/m	0.039	0.26	0.23
50 A/m	0.039	0.27	0.22

ICAR will publicly inform that the product has been performance tested.

ICAR also would like to make publicly available the main results of the test. This can be done only with the authorization of the manufacturer. The manufacturer has the right to later withdraw the public availability of the results. If the manufacturer approves ICAR's publication of the main test results he should send an authorization to the chairman of the Subcommittee for Animal Identification.


If there are any further questions, please feel free to contact me.

Sincerely yours,

Ole Klejs Hansen


Enclosure

cc: SERVICE-ICAR, Mr. Elvio Cresto
Members of the ICAR Sub-Committee on Animal Identification
Secretariat ISO/TC23/SC19/WG2, Mr. P. Hogevoort, *Innovative Modern Agriculture, Wageningen R.F. (IMA)*
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Conventional plastic eartags

- Eartag testing procedure:
 - Preliminary basic checks of tags and pliers
 - Laboratory test
 - Preliminary/Extended field test
 - Provisional/Final Approval
- First round now in field test
- Second round of test to start soon
- Review details of the test procedure



The aim of ICAR



- Provide test and approval of ID-devices to benefit users worldwide
- Stimulate new developments in and report on new equipment, procedures and methods
- ICAR's tests and approvals should be at a level of very high acceptance by users worldwide
- Users are animal keepers, service providers and authorities

Thank you
for your attention



Ole Klejs Hansen
ICAR Subcommittee on Animal Identification