



THE GLOBAL STANDARD
FOR LIVESTOCK DATA

Section 10 - Procedure 3: Conformance of Transceivers with ISO Standards

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Change Summary

Date of Change	Nature of Change
August 2017	Changed Section title.
September 2017	Updated styles and format into uniform template.
October 2017	Updated references.
February 2018	Changes approved by the ICAR General Assembly.
September 2020	Minor grammatical edits.
October 2022	Added description of the application and certification procedure. Minor grammatical edits.
August 2024	Updated title page format

1 Scope

This section refers to ISO 24631-2 and ISO 24631-4, regarding the test procedures to verify the compliance of RFID transceivers to the operating characteristics outlined in ISO 11784 and ISO 11785.

2 References

The titles of standards referred to in this document are as follows:

- ISO 11784 Radio frequency identification of animals - Code structure
- ISO 11785 Radio frequency identification of animals - Technical concept
- ISO 24631-2 Radiofrequency identification of animals - Part 2: Evaluation of conformance of RFID transceivers with ISO 11784 and ISO 11785
- ISO 24631-4 Radiofrequency identification of animals - Part 4: Evaluation of performance of RFID transceivers conforming with ISO 11784 and ISO 11785
- ISO 3166 Codes for the representation of names of countries and their subdivisions

The latest version of ISO Standards will always apply, and these Standards are available on the ISO website (www.iso.org).

3 Manufacturer application

Manufacturers seeking a conformance test of a transceiver must complete the test application form ([Appendix A5](#)), and email it to the ICAR secretariat at manufacturers@icar.org.

4 ICAR testing

Upon receipt of the application, the ICAR Secretariat will assign one of the accredited test centres to carry out the conformance test on the nominated transceiver. The manufacturer's approved test centre may be taken into consideration.

The transceiver will be tested against the ISO procedures listed in the Scope of this procedure to verify compliance to the operationing characteristics outlined in ISO 11784 and and ISO 11785.

5 Conclusion of the laboratory and certification tests

The test centre will prepare a test report and will submit it to the ICAR Secretariat. All information collected during the laboratory tests will remain confidential and only disclosed to the manufacturer of the transceiver.

Upon the successful completion of the laboratory test, ICAR will send the test report and an official letter to the manufacturer granting ICAR certification for that transceiver. Certified transceivers are listed on the ICAR website inclusive of a photograph of the transceiver.

If the laboratory test results are unsatisfactory, ICAR will send the manufacturer the test report indicating the reasons for the failure.

All test reports are shared with ICAR's Animal Identification Sub-Committee for information.