

PAS 66:2019



BSI Standards Publication

Official identification eartags for sheep and goats – Specification

bsi.

...making excellence a habit.™

Licensed copy: Techstreet Content, ISO Exchange - Michigan, Version correct as of 07/01/2020

Publishing and copyright information

The BSI copyright notice displayed in this document indicates when the document was last issued.

© The British Standards Institution 2019

Published by BSI Standards Limited 2019

ISBN 978 0 539 05851 2

ICS 65.020.30; 97.180

No copying without BSI permission except as permitted by copyright law.

Publication history

First published September 2002

Second edition March 2009

Third edition April 2014

Fourth (present) edition December 2019

Amendments issued since publication

Date

Text affected

Contents

	Page
Foreword	ii
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 General requirements	2
<i>Figure 1 – Piercing angle</i>	3
5 Performance requirements	3
6 Information and marking	5
Annex A (informative) Guidance on conformity to PAS 66:2019	7
Annex B (informative) Applicators and insertion of eartags	8
Annex C (normative) Method of testing the readability of the transponder	8
Annex D (normative) Method of test for tensile strength of eartags	9
Annex E (normative) Method of test resistance to impact at low temperature	10
Annex F (normative) Method of test for abrasion resistance	11
<i>Figure F.1 – Base machine</i>	12
Annex G (normative) Method of test for assembly	13
Bibliography	14

Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, pages 1 to 14, an inside back cover and a back cover.

Foreword

Publishing information

This PAS was developed by the Rural Payments Agency (RPA) and sponsored by the Department for Environment, Food and Rural Affairs (Defra). Its development was facilitated by BSI Standards and it was published under the licence from The British Standards Institution. It came into effect on 31 December 2019.

Acknowledgement is given to the following organizations that were involved in the development of this PAS as members of the steering group:

- Approved Livestock Identification Manufacturers' Association (ALIDMA)
- Department for Environment, Food and Rural Affairs (Defra)
- Department of Agriculture, Environment and Rural Affairs, Northern Ireland (DAERA)
- Pareto Consulting
- Rural Payments Agency (RPA)
- Scottish Government, Animal Health and Welfare Division
- Department of Agriculture, Welsh Government

Acknowledgement is also given to members of a wider review panel who were consulted in the development of this PAS.

The British Standards Institution retains ownership and copyright of this PAS. BSI Standards Limited as the publisher of the PAS reserves the right to withdraw or amend this PAS on receipt of authoritative advice that it is appropriate to do so. This PAS will be reviewed at intervals not exceeding two years, and any amendments arising from the review will be published as an amended PAS and publicized in *Update Standards*.

This PAS is not to be regarded as a British Standard. It will be withdrawn upon publication of its content in, or as, a British Standard.

The PAS process enables a guide to be rapidly developed in order to fulfil an immediate need in industry. A PAS can be considered for further development as a British Standard, or constitute part of the UK input into the development of a European or International Standard.

This publication can be withdrawn, revised, partially superseded or superseded. Information regarding the status of this publication can be found in the Standards Catalogue on the BSI website at bsigroup.com/standards, or by contacting the Customer Services team.

Where websites and webpages have been cited, they are provided for ease of reference and are correct at the time of publication. The location of a webpage or website, or its contents, cannot be guaranteed.

Supersession

This PAS supersedes PAS 66:2014, which is withdrawn.

Relationship with other publications

This PAS is issued as part of a series of PAS for eartags which includes:

- PAS 44:2019, Official identification eartags for cattle – Specification

References are made in this PAS to European Union regulations. After the UK has exited the EU such regulations will form part of UK domestic law. References to such regulations in this PAS should therefore be read as references to a regulation as it forms part of domestic law, when appropriate.

Information about this document

This PAS represents sheep eartags which have been tested to PAS 66:2019.

This specification is not intended to restrict new developments in design and materials providing they meet the minimum requirements laid down in this PAS.

Use of this document

It has been assumed in the preparation of this PAS that the execution of its provisions will be entrusted to appropriately qualified and experienced people, for whose use it has been produced.

Presentational conventions

The guidance in this PAS is presented in Roman (i.e. upright) type. Any recommendations are expressed in sentences in which the principal auxiliary verb is “should”.

Commentary, explanation and general informative material is presented in smaller italic type, and does not constitute a normative element.

Contractual and legal considerations

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a PAS cannot confer immunity from legal obligations.

Particular attention is drawn to the following specific regulations:

- Council Regulation (EC) No. 21/2004 [1], and
- The Sheep and Goats (Records, Identification and Movement) (England) Order 2009, as amended [2] (each UK Administration has its own Sagrimo Order, see Bibliography [2]).

1 Scope

This PAS specifies requirements for the performance and testing of eartags used for the official identification of sheep and goats.

NOTE For guidance on conforming to this PAS, see Annex A.

This PAS is not applicable to management tags.

The security aspects considered are those concerned with durability, tamper-evidence and safeguarding against a tag's reusability, materials, welfare standards and printing processes, including durability of print.

This PAS is relevant to manufacturers and accredited distributors of eartags for sheep and goats.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies¹⁾. For undated references, the latest edition of the referenced document (including any amendments) applies.

BS 3900-D10, ISO 7724-3, *Methods of test for paints – Part 3: Determination of colour and colour difference: calculation*

BS 5252F:1976, *Framework for colour co-ordination for building purposes*

BS EN 20105-A02, ISO 105-A02, *Textiles – Tests for colour fastness – Grey scale for assessing change in colour*

BS EN ISO 4892-3, *Plastics – Methods of exposure to laboratory light sources – Part 3: Fluorescent UV lamps*

BS ISO 11785:1996, *Radio-frequency identification of animals – Technical concept*

3 Terms and definitions

For the purposes of this PAS, the following terms and definitions apply.

3.1 accredited distributor

person or business that sells eartags and operates using the Eartag Allocation System (ETAS), or the relevant competent authority's successor system

NOTE The manufacturer and accredited distributor can be the same person or business.

3.2 EID and non-EID eartags

COMMENTARY ON 3.2

Definitions of EID eartag and non-EID eartags are given in the context of sheep and goat EID for traceability purposes.

3.2.1 eartag without official EID

non-electronic permanent identification eartag, or replacement tag for sheep or goats, or slaughter tag for a goat

NOTE The animal's official ID will be printed externally on the eartag, commencing with either the code 826, UK or GB, as prescribed by the competent authority. There will also be provision for a replacement version number to be printed externally on the eartag if prescribed by the competent authority.

¹⁾ Documents that are referred to solely in an informative manner are listed in the Bibliography.