



THE GLOBAL STANDARD
FOR LIVESTOCK DATA

Network. Guidelines. Certification.

ICAR Animal Data Exchange Specification

1. What is in version 1.0?
2. Proposed roadmap for 1.1
3. Your feedback on ideas and priorities

11-6-2020

Managing Director of Rezare Systems



- Software developer of custom agricultural software
- Our customers own the resulting software
- Team of 35 specialists
- Customers include:
 - Large agribusinesses
 - Agritech product companies
 - Livestock recording organisations
- Work principally in NZ, Australia, United Kingdom

Reminder – versioning approach

Version: ADE-1

Detailed version numbering <major>.<minor>.<patch>

- Major version number – breaking changes only – infrequent
- Minor version number – new additions – regular cadence
- Patch – minor corrections if needed

Content – in version 1

Version: ADE-1

- Animal
- Generic device
- Embryos
- Semen straws
- Lactation
- Test Day Result
- Registration
- Arrivals
- Departures
- Deaths
- Heats
- Mating
- Insemination
- Pregnancy check
- Abortion
- Parturition
- Milking Visit
- Drying Off
- Weight

Roadmap for version 1.1

Underway

- Health diagnoses and treatments
- Breeding values
- Conformation and condition scores
- Change of ownership (vs. movements)

Proposed

- Group membership
- Feed intake, grazing
- Communicate animal current status (additions to AnimalCore)
- URL (API) spec for POST, PUT, etc
- Scheme and Identifier type management
- Information APIs – e.g. capabilities, available test days, etc.
- Rights meta-data

Questions, suggestions, and priorities



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Identification with *icarIdentifierType*

Generalised way of identifying:

- Animals
- Locations
- Trait labels
- Many other things

Two parts:

- scheme e.g. “nl.ubn” or “eu.animalld” or “org.gs1.gln”
- id A unique identifier within that scheme

<https://github.com/adewg/ICAR/blob/master/location-scheme.md>



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Thank you

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