iDDEN - Messages

Version 1.4

Version History

Version	Date	Comment
1.0	01.01.2021	Initial Version
1.1	24.08.2022	Added Health messages, Diagnoses and Treatments
1.2	01.11.2022	Added Animal Sets, Join and Leave
1.3	12.12.2023	Added Service-Sires Endpoint
1.4	01.04.2025	Added column with ADE Endpoint names as reference

Implemented Messages:

The iDDEN Hub uses ADE messages for communication with external partners. Following is a list of all implemented events so far. Some of these events are implemented with the same ADE message endpoint. The list will be growing over time whenever new requirements are identified and defined in ADE.

Number	Event	ADE endpoint	Comments
1	Milking	/milking-visits	Individual milking events
2	Milking complex	/milking-visits	Milking events supplemented by sensor data
3	Milking by quarter	/milking-visits	Teat coordinates, milk weights & time by quarter
4	Herd list	/animals	Animals in the herd
5	Feed Intake	/feed-intakes	Feed consumption on the farm
6	Feedstuffs	/feeds	Feedstuffs available at the farm
7	Available Identities	/available-identities	Free animal identities / tags for use for new-born calves
8	Body Condition	/conformation-scores	Animal body condition score
9	Milk recording result	/test-day-results	Milk analysis and 24-hour yield
10	Birth	/births or /parturitions	I&R births
11	Stillbirth	/parturitions	I&R stillbirths
12	On movement	/arrivals	I&R entering stock
13	Off movement	/departures	I&R exiting stock
14	Death	/deaths	I&R deaths
15	Insemination	/inseminations	Artificial insemination/ embryo transplant event
16	Natural mating	/inseminations	Natural mating event
17	Running with a bull	/inseminations	Cow running with a bull event
18	Keep open	/do-not-breeds	Cow not to calve again

19	Dry off	/drying-offs	Dry off event
20	Pregnancy check	/pregnancy-checks	Pregnancy diagnosis event
21	Abortion	/abortions	Pre-term abortion event
22	Calving	/parturitions	Calving event, difficulties etc.
23	Device data	/devices	On-farm device information
24	Heat	/heats	Heat observation event
25	Weights	/weights	Weight of an animal
26	Diagnoses	/diagnoses	Health – Diagnoses
27	Treatments	/treatments	Health – Treatments
28	Treatment programs	/treatment-programs	Health – Treatment programs
29	Animal Sets	/animal-sets	Management – Animal Sets (Groups of Animals)
30	Animal Set Join	/animal-set-joins	Management – Animal joins Group
31	Animal Set Leave	/animal-set-leaves	Management – Animal leaves Group
32	Service Sires	/service-sires	Info on insemination bulls