Better Training for Safer Food Initiative

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Better Training for Safer Food is an initiative of the European Commission aimed at organising an EU training strategy in the areas of food law, feed law, animal health and animal welfare rules, as well as plant health rules.

2nd Quarter 2017
Information systems - Error handling workflow and data correction

Module 4.3
Error handling workflow based on the working concept of the German animal identification, registration and traceability system (HIT)
Q&A Session
Apriori checks

check notifications directly on arrival

- Completeness – mandatory fields
- Correctness and meaning within field
  - e.g. date of event not in the future
  - syntax of ear tag, normalization
- Correctness within sentence
  - e.g. country of origin in import must correspond with ear tag
- Cross-check with other notifications
  - ear tag must be assigned to the holding
  - check on dam for herd, breed, sex, age
  - off movement only possible if animal has been notified in herd
Apriori check result - immediate feedback

- **OK**: Notification is correct and has been stored
- **Hint**: Notification stored, with additional indications
  - e.g. notification deadline of 7 days has been exceeded
- **Unclear**: Notification questionable, stored only after confirmation
  - e.g. birth-notification: date distance to prior birth 210 – 280 days
- **Error**: Not. certainly wrong – not stored
- **Off movement notification rejected because animal not present in herd**
**Aposteriori checks**

Regular off-line examination of all notifications after storage

- **Chronology**
  - the entire „life cycle“ with all notifications is re-examined

- **Completeness**
  - on movement notification not later than 7 days after off movement

- **No inconsistencies**
  - no movement into herd may occur after export
  - no further notifications after death or slaughter
Aposteriori check - results

- In the case of errors, the following information is registered
  - faulty data record
  - colliding data record, if discernible
  - presumed cause of error
  - date of error and seriousness

- Error-Correction workflow
  - notifiers can handle error operations directly online in CDB
  - regional agencies gather error incidents and send paper reports to offline notifiers
Ensuring data quality

- Avoiding data entry and recording errors
  - through more than 770 different a-priori controls
  - on-line entry aids, help texts (panels) and written instructions

- Following-up incomplete entries and inconsistencies
  - through 77 different a-posteriori plausibility checks

- Improving “notification moral” by
  - reporting and analysing failures to meet the deadlines

- Complete “historisation” of all notifications
  - traceability of all changes
  - subsequent rendering of each status
Some figures on numbers of errors

- Rate of errors within the framework of Aposteriori checks
- Most frequent errors:
  - on movement reported, off movement from previous owner still missing
  - missing on movement from new owner
  - discrepancies between the date of on and off movement
- Options to reduce the error rate
  - support of on-line reporting
  - optimise scanner technology
  - intensification of plausibility checks
  - reinforced control of holdings with errors
Additional checks for veterinary administration

Regular examination of health and consumer protection relevant issues

➢ Critical situations in life-cycle (checked with certain delay)
   • missing animal – off movement without corresponding on movement
   • duplicate or contradiction in offspring and termination notifications
   • questionable ear tag or animal document re-order
   • reported non compliances during on spot control visit

➢ Lack of compulsory medical examinations or critical test results
   • very important: missing BSE-result for carcasses obliged to test
   • detection of primary infected animal
     • movement without required heath status (e.g. negative BVD certificate)

➢ Non compliance with veterinary constraints
   • e.g. animal moved despite „trade ban“ for animal or holder
   • animal vaccinated despite legal prohibition
Veterinary checks - results

- Each detected problem generates "veterinary incident recorded"
  - list of all unsolved incidents shows up automatically upon login
  - incidents are grouped according to different categories

- Incident handling workflow
  - resp. veterinarian has to handle every incident, investigate, take appropriate action, etc.
  - document all taken measure directly in CDB

- Incident consequences
  - statistics and reports for holdings or areas
  - potentially negative impact for holding in risk analysis
Users notifying...

Notifications of herd changes:
- First recording, birth, import EU and third country
- On/off movement
- Slaughter, death (fallen stock)

1. Step: Apriori checks
- Ok & accepted?
  - Yes
  - No

2. Step: Aposteriori checks
- Mistake in notifying order => error report

Regional office (RO) collects error report (HIT-Batch)
- Incidents on health relevant issues for veterinary office
- Correction or confirmation by animal holder

CDB
- Inspection

Holder not using internet sends notification by post
- Notification card for change in herds

Positive feedback (data stored in CDB)
- Negative feedback (data not stored in CDB)
Thank you for your attention!
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