

For our Environment

3T – Tiered Trap Testing Approach at the German Environment Agency

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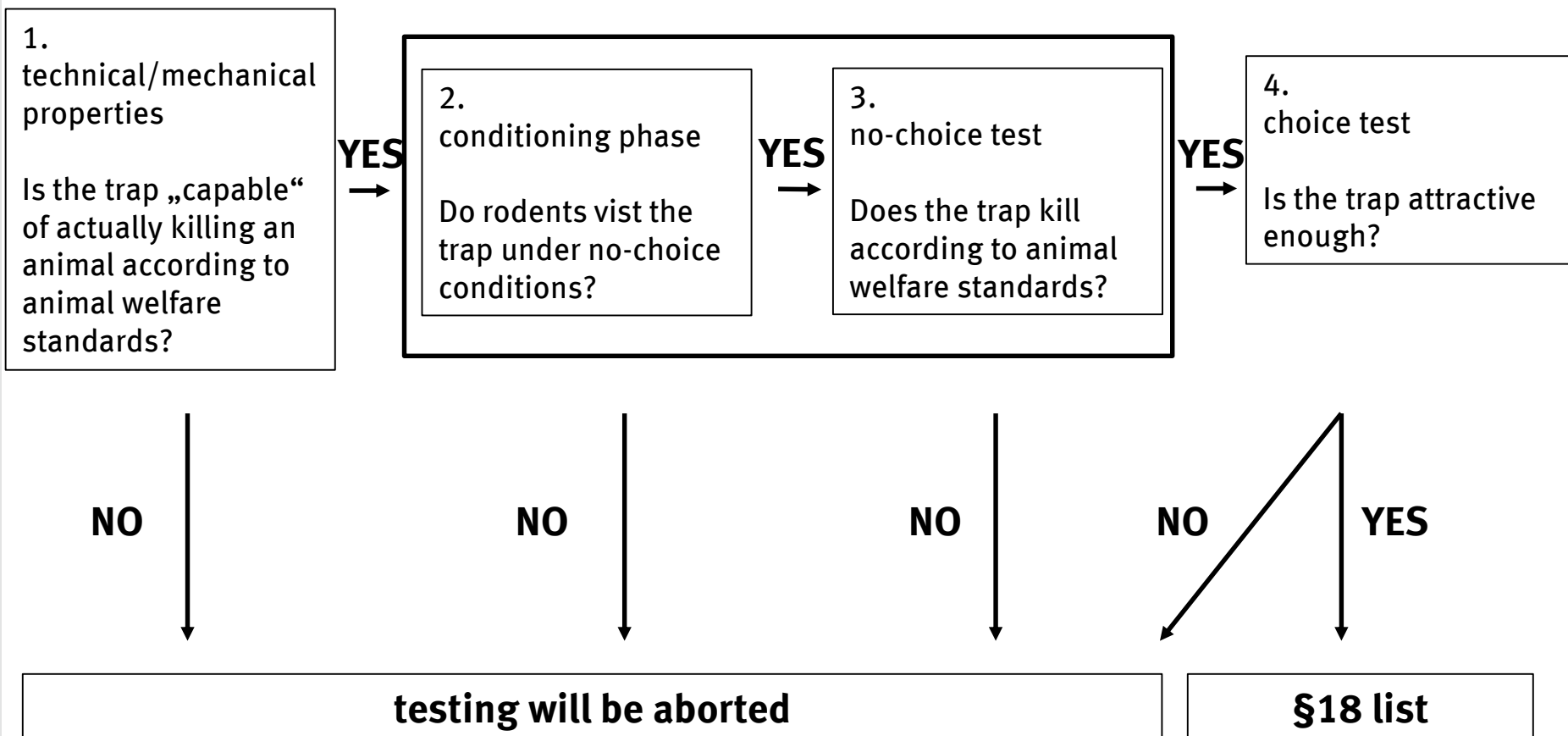
German Environment Agency
Section IV 1.4
Health Pests and their Control

Certification of Traps – the Context

Infectious Disease Protection Act

- §17: Competent authorities may order measures to control health pests
- §18: in this context, only products and methods are allowed that have been approved by the German Environment Agency beforehand
- voluntary process

Tiered trap testing approach



Tier 1: technical properties

Measuring (clamping) force

- applies only to mechanical traps
- collecting data from different traps to determine a threshold
- Once established: (clamping) force of mechanical traps need to meet this threshold

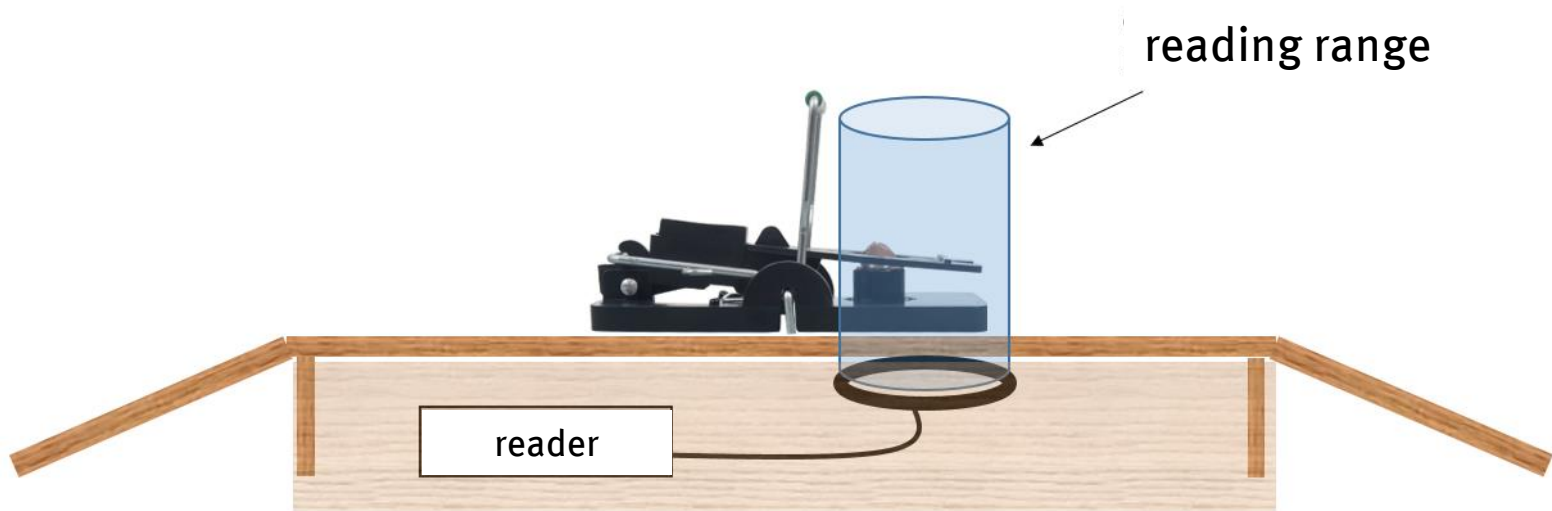


Tier 2: conditioning phase + no-choice

Conditioning phase during no-choice test

- Setting-in phase
 - Mice: 7 days
 - Rats: 14 days
- Conditioning to non-activated traps via attractive bait
- RFID transponder: measuring trap visits
- criteria: $\geq 90\%$ visitors

RFID transponder



Tier 2: conditioning phase + no-choice

no-choice test

humaneness of trap

- Categorie A and B according to AIHTS* standards
- time span until irreversible unconsciousness
 - Categorie A: $\geq 80\%$ in 30s and $\geq 90\%$ in 60s
 - Categorie B: $\geq 80\%$ in 60s and $\geq 90\%$ in 120s

***Agreement on International Humane Trapping Standards**

Tier 3: choice test

Attractiveness of a trap

- Choice test with 2 groups of each 10 individuals
- Measuring the number of visitors on non-activated traps via RFID transponders
- Exposure to traps
 - Mice: 7 days
 - Rats: 28 days (neophobia)
- criteria: $\geq 90\%$ visitors

Thank you for your attention!

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