

# Accreditation of laboratories for testing of specific traits by the performance based approach

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# Introduction - Objectives

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- Proposal to introduce GM testing into the ISTA Rules
- ISTA GMO Proficiency Tests, rating system
- Accreditation concept proposal

# Accreditation concept

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- The **current system** (e.g. sampling, purity, germination, seed health...) refers to the ISTA Accreditation Standard and ISTA Rules
  - Standardised methods (compiled into the Rules) recognised world wide
  - Validation, specific protocols and a formal vote at an ISTA Ordinary Meeting
  - Accreditation audit
  - Proficiency test participation and rating system

# Accreditation concept for the testing of the presence of specific traits:

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## Performance based approach

### **The performance based approach includes four fundamental elements**

- Free choice of method
- Performance data

New elements that apply to the testing for the presence of the specific traits

- ISTA Audit
- ISTA Proficiency Test

# Performance data

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- The laboratory has to provide data to demonstrate its performance in applying a method for a specific trait in a nominated species
- These performance data will be an element for auditors (documents prior to the onsite assessment)
- Criteria to evaluate performance data will be defined (e.g. accuracy, repeatability, reproducibility)

# Conclusion:

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## A developing and adaptable System

- ISTA does foresee the coexistence of standardised methods for the testing of specific traits in the ISTA Rules and the performance based approach

# Acknowledgments

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