
Role of OIE Reference Laboratories and Collaborating Centers in Developing and Updating OIE Standards

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INTERNATIONAL COMMITTEE
Administrative Commission



Director General

Specialist Commissions
Code, Laboratories,
Aquatic animals, Scientific

Regional Commissions
Africa, Americas, Europe, Asia- Far East and Oceania,
Middle East

Paris Central Bureau

Human Resources and
Budget Management
Unit

Accounts Unit

World Animal Health
and Welfare Fund
Coordination

Deputy Director General
Administration, Finances, Human
Resources

Deputy Director General
Animal Health and
International Standards

Administrative and
Management Systems
Department

International Trade
Department

Regional Activities
Department

Scientific and
Technical
Department

Publications
Department

Animal Health
Information
Department

**Collaborating
Centres**

**Reference
Laboratories**

Ad hoc Groups

Working Groups

Regional Representations

OIE International Standards



- *Terrestrial Animal Health Code*
 - mammals, birds and bees
- *Aquatic Animal Health Code*
 - fish, molluscs and crustaceans
- *Manual of Standards for Diagnostic Tests and Vaccines for Terrestrial Animals*
- *Manual of Diagnostic Tests for Aquatic Animals*

Reference Lab Mandate



- function as centers of expertise and standardization for other laboratories and the OIE
- develop and distribute reference reagents
- respond to emerging diseases
- develop / validate new diagnostic tests
- coordinate scientific / technical studies
- provide scientific and technical training
- help prepare OIE technical publications
- prepare and distribute proficiency tests

Collaborating Center Mandate



- **OIE Collaborating Centers are centers of expertise, **standardization** and dissemination of techniques their sphere of competence**
- **Propose or develop any procedure that will facilitate harmonization of international regulations applicable to the surveillance and control of animal diseases**
- **Place expert consultants at the disposal of OIE**
- **Several Collaborating Centers can provide specific disease expertise to the BSC.**

What is Standardization?



- Harmonization of diagnostic testing and vaccine production by use of
 - standard methods
 - OIE Reference Laboratories / Collaborating Centers, disease experts
 - international reference reagents
 - quality assurance guidelines
- Supports laboratories in Member Countries
→ **reliable results, protective vaccines**

Updating international standards

COMMITTEE,
COMMISSIONS,
DELEGATES

PROBLEM

Specialist
Commission

Review

Advice of experts or other
Specialist Commissions

Draft text

1

2

Comments

DELEGATES

COMMITTEE

**OIE INTERNATIONAL
STANDARD**

Adoption

Updating international standards



Updating international standards



Updating international standards



OIE Standardization Activities



- **2009 – Reference Laboratories**

- International harmonization/standardization of methods – 68%
- Preparation and supply of international reference standards – 49%

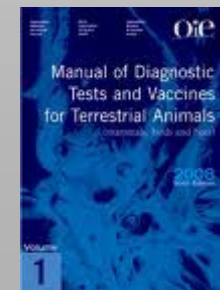
- **Collaborating Centers**

- Activities as a center of research, expertise, standardization and dissemination of techniques – 88%

OIE Manuals of Standards



- Many chapter authors and reviewers are from OIE Reference Laboratories /Collaborating Centers
- Some chapters have required additional review/discussion from OIE Ref Lab experts
- May be involved in rapid update of chapter subsequent to disease event
 - Will be posted at www.oie.int



International Standards - Reagents



- HPAI- AGID reference serum
- EBL – reference serum
- Caprine/ovine/porcine brucellosis – reference sera for several assays
- FMD – serum panel for NSP tests



Networks, working, ad hoc groups



- OFFLU - OIE Reference Laboratories are international labs for network (avian and equine influenza); generation of reference reagents
- Reference Laboratories and Collaborating Center experts participate in ad hoc and working groups

Summary

- OIE Reference Laboratories and Collaborating Centers have mandates to assist the OIE in developing international standards.
- The OIE is very dependent on and appreciative of the expertise at the OIE Reference Laboratories and Collaborating Centers to accomplish its mission of improving animal health worldwide.



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