



Accreditation Requirements for Laboratories Using Shared Facilities

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Hong Kong Accreditation Service

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HKAS Accreditation





HKAS Objectives

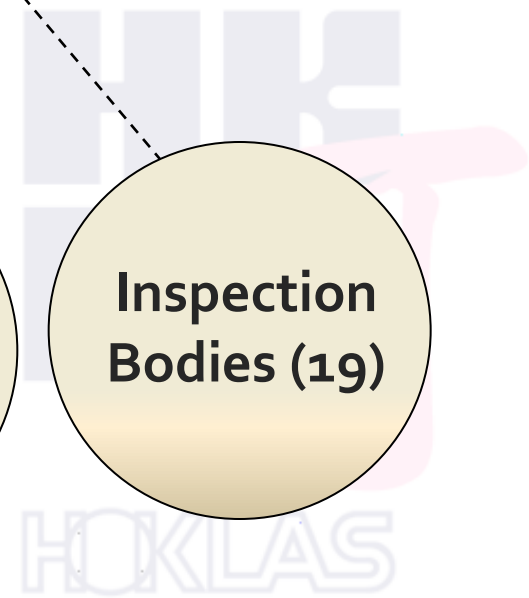
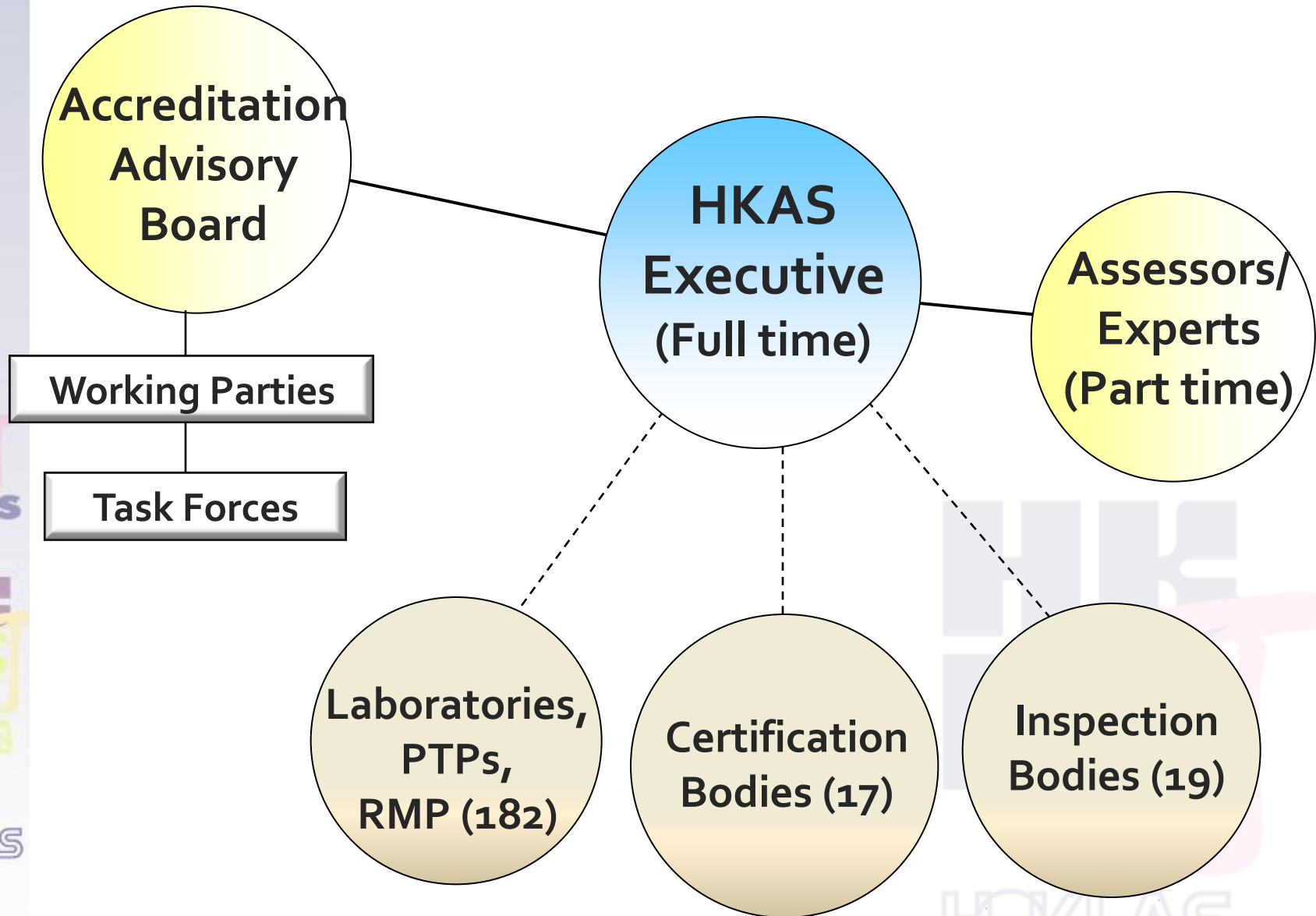
- ✚ Confer official recognition to competent conformity assessment bodies
- ✚ Upgrade the standard of conformity assessment bodies
- ✚ Support the Hong Kong Council for Testing and Certification to spearhead the development of the testing and certification industry
- ✚ Facilitate international trade
- ✚ Support local community



Organisation

- ✚ HKAS is part of the Innovation and Technology Commission, HKSAR Government
- ✚ Head of HKAS: Commissioner for Innovation and Technology
- ✚ Responsibility for operation of HKAS delegated to the Executive Administrator
- ✚ Accreditation processes performed by accreditation officers of HKAS together with external assessors/experts

Structure of HKAS





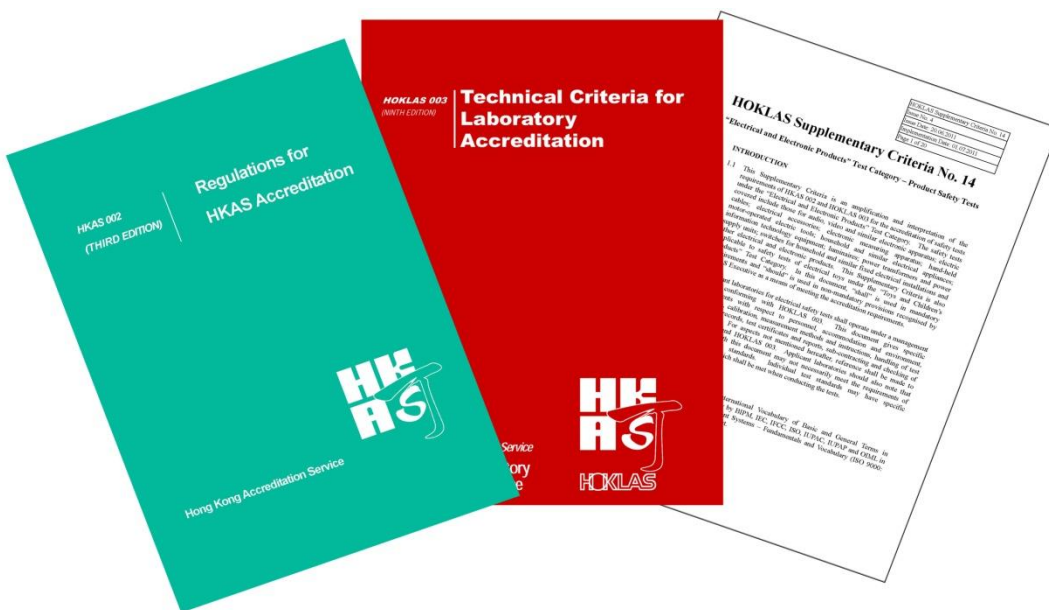
Features of HKAS Accreditation

- ✚ Voluntary
- ✚ Based on international standards
- ✚ Rigorous assessment and monitoring
- ✚ International recognition
- ✚ Independent and impartial



Laboratory Accreditation Criteria

- HKAS 002 – Regulations for HKAS Accreditation
- HOKLAS 003 – Technical Criteria for Laboratory Accreditation (ISO/IEC 17025)
- HKAS/HOKLAS Supplementary Criteria





Scope of Laboratory Accreditation

- ▶ Calibration Services
- ▶ Chemical Testing
- ▶ Chinese medicine
- ▶ Construction Materials
- ▶ Electrical and Electronic Products
- ▶ Environmental Testing
- ▶ Food
- ▶ Forensic Testing
- ▶ Medical Testing
- ▶ Miscellaneous
- ▶ Pharmaceutical Products
- ▶ Physical and Mechanical Testing
- ▶ Testing required by the CCC
- ▶ Textiles and Garments
- ▶ Toys and Children's Products



Laboratory Accreditation Service Launched in 2011

- ✚ Testing required by the China Compulsory Certification System
- ✚ Testing required by the Energy Star Program
- ✚ Chemical and Physicochemical Testing to the Hong Kong Chinese Materia Medica Standards
- ✚ Radiation Detection and Measurements
- ✚ Phthalate Plasticisers Concentration Testing in Food
- ✚ Pharmaceutical Products



International Recognition of Accredited Laboratories

- ✚ By 76 accreditation bodies in 63 economies
- ✚ Through ILAC and APLAC MRA
- ✚ Covers testing, calibration and medical laboratories

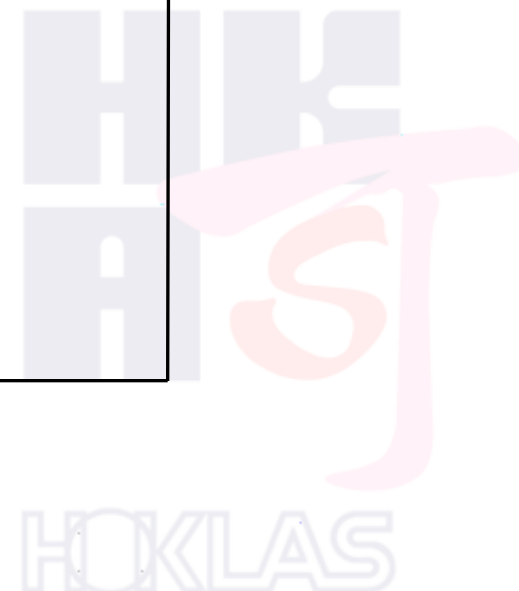
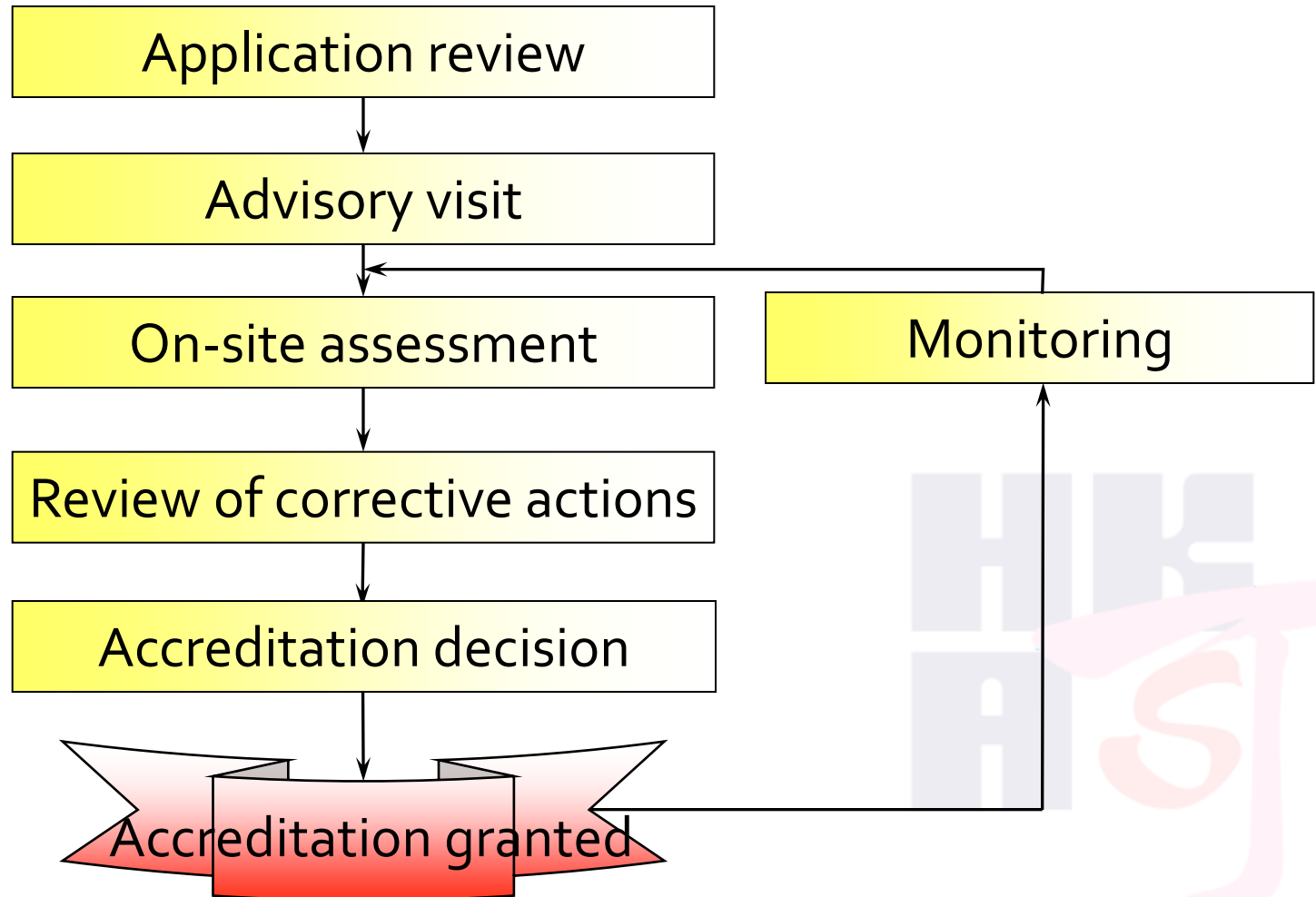




Assessment of Laboratories



Accreditation Processes



Assessment of Laboratories Using Shared Facilities

- ✚ **HOKLAS accreditation of shared facilities**
 - 3 accredited laboratories at HKPC
 - 3 accredited laboratories (IC Failure Analysis Laboratory, Reliability Laboratory and Material Analysis Laboratory) at Science Park
 - More shared facilities are expected to be accredited under HOKLAS
 - Certain laboratories accredited for testing performed at a shared facility at HKPC

Assessment of Laboratories Using Shared Facilities

- ✚ **Agreement/arrangement with the owner of the shared facility**
 - Terms and conditions for using the facility
 - Accreditation of the facility by HOKLAS or its MRA partners
 - Protection of customers' confidential information when using the facility

Assessment of Laboratories Using Shared Facilities

+ Personnel

- Technical competence of supervisory staff including nominated signatories
- Technical competence of test operators
- Record of training and authorisation
- Demonstrated competence through witnessing of testing performed at the shared facility



Assessment of Laboratories Using Shared Facilities

+ Environmental conditions

- Control and monitoring of environmental conditions
- Record of environmental conditions

Assessment of Laboratories Using Shared Facilities

+ Equipment

- Traceability of measurement
- Intermediate check and maintenance of equipment
- Checking of equipment before use
- Record of equipment including software



Assessment of Laboratories Using Shared Facilities

+ Test method

- Availability of test standard and procedure
- Validation of test method where applicable
- Evaluation of uncertainty of measurements

Assessment of Laboratories Using Shared Facilities

+ Reporting test results

- Identification of the location of shared facility in test report



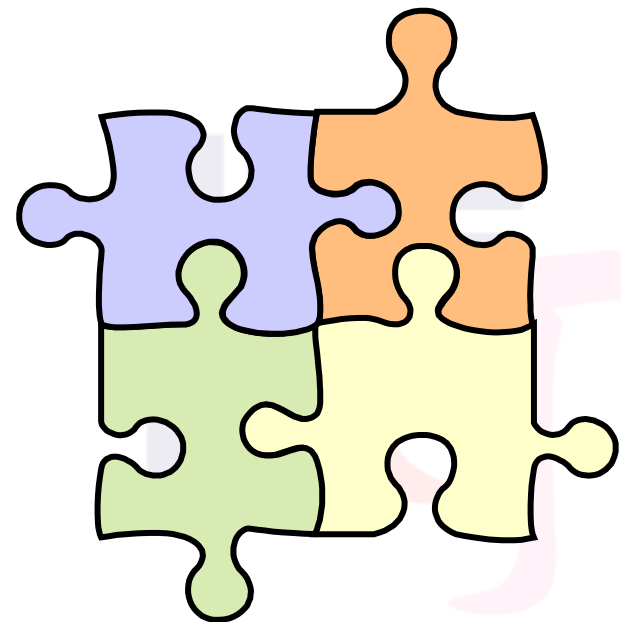


Monitoring of Accredited Laboratories



Monitoring of Accredited Laboratories

- + Reassessments
- + Monitoring of changes
- + Surveillance visits, announced and unannounced
- + Extension of scope of accreditation
- + Proficiency testing activities
- + Complaints and feedback





The End

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