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KOLAS UPDATE

Korea Laboratory Accreditation Scheme

Korean Agency for Technology & Standards, Ministry of Knowledge Economy

December 2011 / Issue 10

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ILAC

International Laboratory
Accreditation Cooperation



KOLAS

Korea Laboratory
Accreditation Scheme

KOLAS UPDATE

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Joint Visiting Program Among Ministries for Promoting Efficiency of National Conformity Assessment System

For efficient operation of national conformity assessment system, a group of representative composed of working-level staffs in four departments visited accreditation bodies in Hong Kong and Germany in order to analyze best practices and operation status of overseas accreditation bodies and to find measures for building a cooperation system.



KOLAS Held Medical Testing Policy Meeting

In an effort to settle official accreditation program for ISO 15189, 「KOLAS Medical Testing Policy Meeting」 was held on October 28, 2011 at Seoul Education and Culture Hall for sharing and discussion of policy.



ISO 13528 APLAC Training Course on Statistical Methods for PT

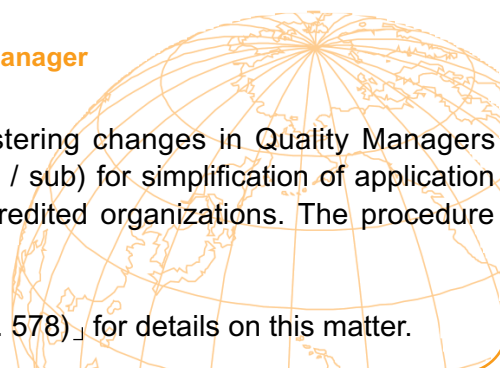
「ISO 13528 APLAC Training Course」 organized by APLAC for PT experts was held at New Delhi, India from October 11 to 13, 2011. A PT expert from proficiency testing provider (Korea Testing Laboratory, Researcher Maeng, Geun Ho) participated as the Korean representative.

:: NEWS & INFORMATION

<Announcement on Procedure Change of Manager Replacement Registration >

KOLAS improved the procedure for registering changes in Quality Managers (main / sub) and Technical Managers (main / sub) for simplification of application and efficient processing on all KOLAS-accredited organizations. The procedure comes into effect since December 12, 2011.

Please refer to 「KOLAS News / Notice (No. 578)」 for details on this matter.



I . KOLAS Activities

■ Joint Visiting Program Among Ministries for Promoting Efficiency of National Conformity Assessment System

KOLAS is operating a consultative group for establishment of international Mutual Recognition Arrangement in accreditation with participation by 12 departments under its leadership since March 2011. For efficient operation of national conformity assessment system, a group of representative composed of working-level staffs in four departments visited accreditation bodies in Hong Kong (HKAS) and Germany (DAkkS) in order to analyze best practices and operation status of overseas accreditation bodies and to find measures for building a cooperation system.



□ *Training Period: Dec. 12 - 19, 2011 (9 Days)*

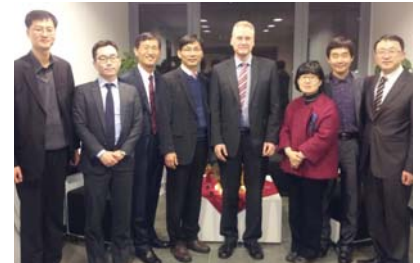
□ *Training Nation / Institution*

Nation	Training Institution	Training Field
Hong Kong	HKAS (Hong-Kong Accreditation Service)	Operation of accreditation bodies and study of assessment system
Germany	DAkkS (Deutsche Akkreditierungsstelle GmbH)	Single accreditation body and study of promotion system

□ *Participating Departments*

· Korean Agency for Technology and Standards under Ministry of Knowledge and Economy, National Institute of Environmental Research under Ministry of Environment, Korea Centers for Disease Control and Prevention under Ministry of Health and Welfare, Korea Communications Commission

The purpose of this visit was to understand international trend and the system of overseas accreditation bodies, to study exemplary cases of unified accreditation bodies being promoted in Korea from cases of overseas developed economies, and to excavate a role model for establishment of domestic unified single accreditation body.



At the Hong Kong Accreditation Service (HKAS), discussion was carried out with authorities on accreditation system, overall management techniques, and background and operation status of ISO 15189 accreditation system currently being promoted as an official accreditation program by KOLAS.



At DAkkS, which is the leading AB that had unified the systems of 4 ABs, we had an opportunity to discuss unification background, EU Regulation No. 765/2008, changes in operation system after unification and problems caused by unification, finding directivity for domestic unification policy.

Data collected from joint visiting program among different departments will be reflected in establishment of national single accreditation body that encompasses all departments. Cooperation system among departments and plans to promote efficient conformity assessment system will be prepared.

■ KOLAS Held Medical Testing Policy Meeting

In an effort to settle official accreditation program for ISO 15189, 「KOLAS Medical Testing Policy Meeting」 was held on October 28, 2011 at Seoul Education and Culture Hall for sharing and discussion of policy.

This meeting was proceeded with participation by relevant societies, experts on conformity assessment and KOLAS employees to share and discuss information on international trend of medical testing, preparation for transition of official accreditation, surveillance activities, proficiency testing and future policy directions.

Based on the opinions deduced from the meeting, solutions will be prepared through follow-up reviews by relevant committees and departments ministries.



■ On-site Assessment of MASM Mass Lab

As a part of assistance programs for developing countries by UNIDO, KOLAS conducted on-site assessment of Mass Lab at MASM for accreditation of calibration laboratory from November 23 to 24, 2011.

Assessment team was composed of three experts including witnessing by KOLAS staff for assessment of quality system, employee competence and mass lab capability.



Corrective actions are being carried out by the applicant on the findings raised.

■ Status of Proficiency Testing Programs Organized by KOLAS in 2011

A total of 23 proficiency testing programs with 12 in testing and 11 in calibration were organized in 2011, according to the Article 27 of KOLAS-R-001:2011 and Article 26 of KOLAS-R-002:2011 regarding proficiency testing. The results and progress status are as follows:

No.	Code	Program Name	Status
1	PM 2011-02	Surface Roughness Specimen	In Progress
2	PM 2011-03	Square Measure	Completed
3	PM 2011-04	Electric Torque Meter	In Progress
4	PM 2011-05	Straight Edge	Completed
5	PM 2011-06	Push-Pull Gauge	Completed
6	PM 2011-07	Pressure Converter	In Progress
7	PM 2011-08	Vibrometer Straightening Machine	Completed
8	PM 2011-09	Type-N Termination Discordance	In Progress
9	PM 2011-10	Balance Weight	In Progress
10	PM 2011-11	Effective Value Voltmeter	In Progress
11	PM 2011-12	Composite Waveform Generator	In Progress
12	PT 2011-01	Flash Point and Sulfur Analysis for Petroleum (Diesel)	Completed
13	PT 2011-02	Salt Spray Test	Completed
14	PT 2011-03	Lead, Cadmium, Mercury Analysis for Acrylonitrile Butadiene Styrene	Completed

No.	Code	Program Name	Status
15	PT 2011-04	Safety Test for Electric Fan	Completed
16	PT 2011-05	Mechanical Test for Textile	Completed
17	PT 2011-07	Mercury Analysis for Rice Flour	Completed
18	PT 2011-08	Electromagnetic Compatibility (CISPR 16-2-1, 16-2-3)	In Progress
19	PT 2011-09	Anion Analysis in Water (Sulfate Ion and Nitrate-Nitrogen Ion)	Completed
20	PT 2011-10	Mechanical Test for Asphalt (Mixed)	In Progress
21	PT 2011-12	Architecture Noise Test	In Progress
22	PT 2011-13	Total Petroleum Hydrocarbon Analysis in Soil	Completed
23	PT 2011-15	Concrete Compressive Strength	Recruiting Participants

■ ISO 13528 APLAC Training Course on Statistical Methods for PT

「ISO 13528 APLAC Training Course」 organized by APLAC for PT experts was held at New Delhi, India from October 11 to 13, 2011. A PT expert from proficiency testing provider (Korea Testing Laboratory, Researcher Maeng, Geun Ho) participated as the Korean representative.

** ISO 13528 : Statistical methods for use proficiency testing by inter-laboratory comparisons*



This training course was newly established upon request by participants of proficiency training to promote better understanding of statistical methods for proficiency testing based on ISO 13528 and ISO/IEC 17043 and to attract development of proficiency testing programs in Asia-Pacific region. In addition, this course was established for promotion of APLAC MRA on accreditation of PT providers through application of internationally harmonized statistical method.

With training by experts for standards regarding statistical methods in proficiency testing, discussion was made on statistical requirements in PT related to ISO/IEC 17043 and ISO 13528. Finally, the course was completed with planning of proficiency testing, design method and practicing of design.

KOLAS will spread the results of training to KOLAS-accredited organizations including proficiency testing providers through refresher training and technical committee meeting.

■ Participation in the 27th ISO/CASCO Plenary Meeting in Switzerland

The 27th ISO/CASCO Plenary Meeting paralleled with workshop was held at Geneva, Switzerland from October 5 to 7, 2011.

About 100 participants attended this meeting from 34 national standardization bodies and 24 liaison organizations. Including ISO liaison officer and employee, the Director of Conformity Policy Division participated in the meeting as a delegation from Korea.



At the CASCO Open Day Workshop, exemplary cases for establishment and operation of National Mirror Committee were discussed to encourage relevant institutions for effective operation. In the second session, discussion was focused on ISO/IEC 17021 currently being drafted by ISO/CASCO WG 21.

** ISO/IEC 17021:2011, Conformity assessment - Requirements for bodies providing audit and certification of management systems*

*Refer to the following web page for details on presentation data.
<http://www.iso.org/sites/CASCOopenday2011/documents.htm>*



At the 27th ISO/CASCO Plenary Meeting, new chairman Mr. Lane Hallenbeck (ANSI, US) who will be in office for five years since January 2012 was introduced and began hand-over of duties. Also with confirmation of CASCO road map, status of work groups (WGs) and external liaison organizations were reported.

The next plenary meeting will be held from October 11 to 12, 2012 at Bogota, Columbia.

*Please visit 'ISO/CASCO eNewsletter' for current status of ISO/CASCO.
<http://www.iso.org/sites/eNewsletters/CASCO/archive.html>*

II . Updates from International Societies

■ ILAC (International Laboratory Accreditation Cooperation)

► Newly Joined

CYS-CYSAB	Cyprus Organisation for the Promotion of Quality (CYS) - Cyprus Accreditation Body (CYSAB), Joined as a ILAC-MRA signatory in Testing
OAE	Organismo de Acreditacion Ecuatoriano (OAE), Joined as a ILAC-MRA signatory in Testing and Calibration
ACCAB	Accreditation Commission for Conformity Assessment Bodies (ACCAB), Joined as a Affiliate Member of ILAC
NEI	Nuclear Energy Institute (NEI), Joined as a Stakeholder of ILAC

Relevant documents can be downloaded on ILAC Website (http://www.ilac.org/ilac_documents.html).

■ Joint declaration signed by BIPM, OIML, ILAC and ISO on metrological traceability

BIPM, OIML, ILAC and ISO signed the joint declaration on metrological traceability on November 9, 2011.

The four international organizations approved of the following:

- *In order to rely on international acceptability of the four organizations, calibrations should be performed:*
 - *in National Metrology Institutes who should normally be signatories to the CIPM MRA and have CMCs published in the relevant areas of the KCDB or*
 - *in laboratories accredited by accreditation bodies which are signatories to the ILAC Arrangement;*
- *measurement uncertainty should follow the principles established in the GUM;*
- *the results of the measurements made in accredited laboratories should be traceable to the SI;*
- *NMIs providing traceability for accredited laboratories should normally be signatories to the CIPM MRA and*



- have CMCs published in the relevant areas of the KCDB;*
- within the OIML's MAA, accreditation should be provided by bodies which are signatories to the ILAC Arrangement and the above policies on traceability to the SI should be followed;*

The above principles should be used whenever there is a need to demonstrate metrological traceability or international acceptability.

■ APLAC(Asia-Pacific Laboratory Accreditation Cooperation)

► APLAC PT(Proficiency Testing)

- Progress Status of PT programs

Program	Name	Operating AB	Progress Status
APLAC M024	Plain Plug Gauges	KOLAS(Korea)	Distributed Final Report
APLAC T077	Determination of Metals (Cd, Fe, Pb, Zn) in Bovine Liver	HKAS(Hong Kong)	Distributed Final Report
APLAC T078	Determination of Polycyclic Aromatic Hydrocarbons in Sediment	HKAS(Hong Kong)	Distributed Final Report
APLAC T079	Phthalates in Plastic materials	TAF(Taiwan)	Distributed Final Report

► Published and Revised Document

APLAC PR 008	Issue No. 49, International Recognition of Accredited Test, Calibration and Inspection Reports
APLAC TC 013	Issue No. 1, Guidance for the assessment, reassessment, and surveillance of “key activities” at laboratories with multiple locations
APLAC TR 001	Issue No. 4, Guidelines on Training Courses for Assessors
APLAC SEC 046	Issue No. 4, Guidelines for the Use of the APLAC Logo

Relevant documents can be downloaded on APLAC Website (<http://www.aplac.org/publications.html>).

■ ISO/CASCO(ISO Conformity Assessment Committee)

► Current Status of ISO/CASCO Standards

Standard No	Standard Name	Progress Status
ISO/IEC 17020	General criteria for the operation of various types of bodies performing inspection	- Voting in progress for FDIS (Final Draft International Standard) (2012-01-17)
ISO/IEC 17022	Conformity assessment - Requirements and recommendation for the content of a third-party audit report on management systems	- Voting completed on DTS (Draft Technical Report)
ISO/IEC 17024	Conformity assessment - General requirements for bodies operating certification of persons	- Approved for FDIS (Final Draft International Standard)
ISO/IEC 17065	Conformity assessment - Requirements for bodies certifying products, processes and services	- Voting in progress for DIS (Draft International Standard)
ISO/IEC TS 17021-3 QMS	Conformity Assessment - Requirements for third-party certification auditing of quality management systems - Competence requirements	- Closed voting process for NP (New Work Item Proposal) (2011-12-08)



Standard No	Standard Name	Progress Status
ISO/IEC 17067	Conformity assessment - Fundamentals of product certification	- Voting in progress for CD (Committee Draft) (2012-03-15)

III. Training and Events

■ KOLAS Refresher Training Courses

KOLAS refresher training courses were held as below on employees of KOLAS-accredited testing/calibration laboratories and assessors.

Target	Date	Details
Employees from KOLAS - accredited laboratories	10.20, 12.6 (Testing) 10.25, 11.14 (Calibration)	- Establishment and revision of KOLAS guidelines - Cases of Measurement uncertainty - Explanation on proficiency testing guideline - Methods for improving credibility of KOLAS-accredited laboratories

Training schedule for 2012 was posted on the web sites of KOLAS-designated educational institutes and KOLAS web site.

IV. Accreditation Update(As of Oct. 2011 to Dec. 2011)

- For more detailed scopes, please visit the KOLAS homepage.

■ Testing

Accreditation No.	Organization	Accreditation Scope
KT496	LG INNOTEK CO., LTD.	Electrical Test
KT497	Rural Research Institute	Mechanical Test, Chemical Test
KT498	National Fisheries Research & Development Institute	Chemical Test
KT499	AVL KOREA CO., LTD	Chemical Test
KT500	DAEHAN LIGHTING CO., LTD.	Electrical Test, Optics and Photometry Test
KT501	Korea Food Information Institute	Biological Test
KT502	Public Health & Environment Research Institute of Jeollabuk-do	Chemical Test, Biological test
KT503	Hybrid Structural Testing Center, Myongji University Industry and Academia Cooperation Foundation	Mechanical Test
KT504	Agency for Defense Development(EMI/EMC LAB)	Electrical Test
KT505	Hyundai Steel Incheon Laboratory	Mechanical Test, Chemical Test
KT506	Taewoong Co., Ltd.	Mechanical Test, Chemical Test
KT507	TÜV SÜD KOCEN Ltd. Shinulchin Testing Laboratory	Mechanical Test
KT508	Hyundai Steel Pohang Laboratory	Mechanical Test, Chemical Test
KT509	Korea Institute of Limestone & Advanced Materials	Chemical Test
KT510	Keimyung University(Advanced Construction Materials Testing Center)	Mechanical Test
KT511	NTREE Co., Ltd	Electrical Test
KT512	Pusan National University, Institute for Research & Industry Cooperation (Seismic Simulation Test Center)	Sound & Vibration Test



■ Calibration

Accreditation No.	Organization	Accreditation Scope
KC11-261	PIMACS CO., LTD.	Photometry & Radiometry
KC11-262	Samsung Mobile Display Co., Ltd.	Length and related quantities, Electricity & Magnetism

■ Inspection

Accreditation No.	Organization	Accreditation Scope
KI-105	Korea Agricultural Machinery Ind. Cooperative	Nondestructive Fruit Sorter

■ Medical Testing by ISO 15189

Accreditation No.	Organization	Accreditation Scope
KM-008-1	SMG-SNU Boramae Medical Center - Nuclear Medicine	Nuclear Medicine
KM-008-2	SMG-SNU Boramae Medical Center - Pathology	Pathology

V. List of KOLAS Documents

■ Newly Established & Revised KOLAS Documents

Classification	Documents	Notification Date	Submission Deadline
Revision Notice	KOLAS-SR-015, Supplementary Requirements for Accreditation (Software Testing Laboratories)	Dec. 2011	Jan. 28, 2012
Revision Notice	KOLAS-G-012, Guidelines for the Conduct of Environmental Assessment	Dec. 2011	Jan. 16, 2012
Revision Notice	KOLAS-R-006, Accreditation Requirements and Procedures for Providers of Proficiency Testing Scheme	Dec. 2011	Jan. 16, 2012

If you have comments on the above drafts, please submit your opinion according to the form provided on the KOLAS website to the KOLAS secretariat by the deadline.

Announcement

< Announcement for Schedules on Reassessment and Surveillance Visit for KOLAS-accredited Organizations in 2012 >

KOLAS has uploaded schedules on reassessment and surveillance visits for KOLAS-accredited organizations in the fields of testing / calibration / inspection and reference material producers in 2012 via KOLAS website.

Please refer to 「KOLAS News / Notice (No. 579-583)」 for details on this matter.

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<http://www.kolas.go.kr/english/>