



10 June 2005

## 40<sup>th</sup> CIML Meeting

### Item 8 Technical activities

#### Brief introduction

Since the Berlin Conference:

- 6 meetings have been held, another is planned for June, 6 to 8 others might be convened in 2005,
- 16 drafts (CDs / WDs) have been circulated,
- High priority and priority projects are progressing well (combined revision of R 6+R 31+R 32, revision of R 46, R 76, R 49 and the new R 117 (combined revision of R 117+R 118+R 105+R 86). There are other projects (of TC 7, TC 7/SC 4, TC 8/SC 1, TC 9/SC 2 etc.) that are progressing as well. Most might be finalized and approved in 2006.

#### 8.1 Approval of International Recommendations

In 2005 there were ongoing (online) CIML postal ballots for the following:

- Draft of revision of R 51-1 and R 51-2 *Automatic catchweighing instruments* (status of voting on 10/06: 18 Yes, 0 No, comments from 5 CIML Members);
- Draft of revision of R 134-1 *Automatic instruments for weighing road vehicles in motion* (status of voting on 10/06: 15 Yes, 3 No, comments from 7 CIML Members);
- Draft of revision of R 39 *Rockwell hardness machines* (an additional DR recently posted on the web site for online postal ballot).

The short time between the postal ballot and the CIML Meeting made it impossible to finalize and circulate both Draft Recommendations; **it is proposed that the CIML approve the above-mentioned revised Recommendations (including R 39) by CIML postal approval** as soon as the final drafts of these three revisions are available.

#### 8.2 Examination of the situation of certain OIML TCs and SCs

##### *Proposals for disbanding and merging of Subcommittees*

- Proposal to disband TC 10/SC 6 *Strain gauges*

As a consequence of the withdrawal of R 62 *Performance characteristics of metallic resistance strain gauges* by the Conference, the US Secretariat of TC 10/SC 6 proposed that this SC be disbanded based on - among others - an earlier consultation with P-Members.

**A formal proposal drawn up by the BIML (see Annex 1) is submitted to the CIML for approval.**

- Proposal to merge TC 8/SC 1 *Static volume measurement* and TC 8/SC 2 *Static mass measurement*

Based on discussions at the recent TC 8/SC 1 meeting, proposals by SC 1 for new projects (still to be approved by SC 1 and SC 2) and a proposal by the BIML to ensure close cooperation of the two SCs and a common and combined project including the revision of R 125, and also based on a recent preliminary agreement between the CIML Members of Austria and Germany it is proposed to merge SC 1 and SC 2 into one - TC 8/SC 1 *Static volume and mass measurement* - under the responsibility of the Co-Secretariat of AT and DE of this merged Subcommittee.

**An ad hoc formal proposal drawn up by the BIML (see Annex 2) is submitted to the CIML for approval.**

If some CIML Members are opposed to this accelerated and simplified procedure of proposing the merger of these Subcommittees, the Bureau and the Secretariat of SC 1 will proceed with the approval at SC level as provided for by the current *Directives for Technical Work*.

#### ***Allocation of vacant Secretariat***

- TC 10/SC 3 Barometers

Mr. Wang Qiping, CIML Member for China, has announced his willingness and availability to assume responsibility for this Secretariat, currently vacant since the UK resigned.

**It is proposed to allocate the Secretariat to China.**

#### ***Work projects proposed to be withdrawn proposed by TCs and SCs***

- TC 7/SC 1 proposes to stop the revision of R 30 *End standards of length (gauge blocks)*

As a result of an inquiry the majority of P-members supported the Secretariat's proposal to stop the revision of R 30 since ISO 3650 contains all the necessary technical and metrological requirements and methods of calibration.

In addition, it is proposed to submit the Secretariat's proposal to withdraw R 30 and R 66, to Subcommittee vote.

- TC 10/SC 4 proposes to withdraw the longstanding and not yet started project p 2 *Requirements for force measuring instruments for verifying material testing machines* in favor of using ISO 376,
- The TC 17/SC 6 Secretariat proposes to stop/withdraw projects p 1 *Calibration procedure for mine methanometers* and p 2 *Procedure for calibration of alarms of combustible gases and vapors* since it appears that - apart from Russia - there is a very low level of interest among Members of the Subcommittee in drawing up these documents.

**It is proposed that the CIML approve the withdrawal of the four above mentioned projects.**

*Other problems to be solved or taken into consideration*

- TC 3/SC 5 Conformity assessment WG on implementation documents to be allocated to the CPR

The Co-Secretariats of TC 3/SC 5 (USA and the BIML) propose to disband the Working Group initially set up for addressing interpretation of accreditation standards, and to start its work on accreditation standards on the basis of the documents established and used by the Committee on Participation Review (CPR) for R 60 and R 76.

**It is proposed that the CIML endorse the CPR as a Working Group of TC 3/SC 5 for these projects.**

- TC 4 Measurement standards and calibration and verification devices

Revision D 10 *Guidelines for the determination of recalibration intervals of measuring equipment used in testing laboratories* (draft drawn up by ILAC) is at ILAC approval stage.

ILAC has proposed to publish the revised Document as a joint ILAC - OIML publication posted on the web sites of both organizations for free download.

**It is proposed that the CIML authorize the Bureau together with the TC 4 Secretariat (Slovakia) and ILAC to decide on the way to publish the joint publication** and that TC 4 proceed with the approval of a new project proposal with the tentative title *Principles and methods of determination of the periodicity of legal measuring instruments verification and inspection and the period of calibration of working standards* as proposed earlier by the Secretariat.

- TC 8/SC 7 Gas metering and SC 8 Gas meters to harmonize their projects

The Bureau proposes to organize a meeting with the Secretariats of TC 8/SC 7 and TC 8/SC 8 and to redefine the scope of these Subcommittees' projects (*Measuring systems for gaseous fuel* of SC 7 and *Gas meters* of SC 8) so as to avoid unnecessary overlapping, and eliminate redundancies, discrepancies and duplication of work.

- TC 9/SC 1 Nonautomatic weighing instruments

Revision of R 76-1 *Nonautomatic weighing instruments. Part 1: Metrological and technical requirements - Tests* has reached the *quasi* final CD phase. The results of the SC 1 vote on the 1 CD (20 Yes, 4 No and 1 Abst. votes from 25 P-Members out of 26) show a good level of acceptance and it is hoped that number of No votes might be reduced by taking into account the comments received.

The Co-Secretariats of the Subcommittee therefore requested votes from P-Members by 1 July to accept that a 2 CD be drawn up based on the comments received by the end of October, and that this be considered as the final CD and registered by the Bureau as a DR.

- TC 10 Instruments for measuring pressure, force and associated quantities

The USA is considering relinquishing the Secretariat of TC 10.

- TC 12 Instruments for measuring electrical quantities

The Secretariat of TC 12 has been vacant since relinquished by Germany. Since Sweden has been leading the revision of R 46 it is requested that Sweden consider and express willingness to assume responsibility for the Secretariat of TC 12. Australia volunteers for the Secretariat of TC 12 if Sweden should decline this option.

- Review of the situation of the Secretariats of TC 15 *Measuring instruments for ionizing radiations* and TC 15/SC 1 *Measuring instruments for ionizing radiations used in medical applications*

The situation of the inactive Secretariats of TC 15 and TC 15/SC 1 - together with a recent proposal from Mr. Kochsiek on a revision of D 21 and the PTB's increased contribution - is being reviewed by Mr. Issaev with a view to transferring the responsibility within the Russian Federation to another metrology institute.

- Change of Contact Person responsible for the Secretariat of TC 17/SC 1 *Humidity* (China)

Changing of the Contact Person responsible for the TC 17/SC 1 Secretariat is being considered by China due to the language problem that causes communication difficulties in the development of projects.

## Annex 1

### Proposal for the disbanding of a Subcommittee

**Designation and title of technical body making the proposal:**

Secretariat of TC 10/SC 6 *Strain Gauges* and the BIML.

**Title of the Subcommittee proposed to be disbanded:**

TC 10/SC 6 *Strain Gauges* (Secretariat: US).

**Scope of work of proposed new Subcommittee (including the project or projects to be developed by the new subcommittee):**

N/A

**Justification:**

The only Recommendation TC 10/SC 6 was responsible for R 62 was withdrawn by the Conference.

R 62 was only implemented by only three Member States (*and 3 more countries that have indicated to have legislation for strain gauges without having implemented OIML R 62*)

This SC has neither any ongoing projects nor any Recommendation or Document to be responsible for.

The Subcommittee has only four P-Members (and 15 O-Members).

Strain gauges are a component of load cells subject to OIML R 60 *Metrological regulation for load cells*. As such, they are tested for conformance with legal requirements as a part of those instruments and not as a separate component.

There has been no more real need for R 62 and any other publication for strain gauges drawn up by TC 10/SC 6.

Conclusion: There is no real need and interest of the OIML to keep this Subcommittee.

The Presidential Council considered and agreed with this proposal at its meeting held in March 2005.

**Description of similar work undertaken by external organizations (if applicable):**

ISO and/or IEC are more appropriate forums for developing voluntary standards in this field.

**List of internal bodies or external organizations with which liaison was established:**

Only CECIP has been a Liaison Organization.

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## Annex 2

### Proposal for the merger of two Subcommittees

#### Designation and title of technical bodies making the proposal:

Prof. M. Kochsiek, Dr. A. Leitner (for TC 8/SC 1) and the BIML for:

- TC 8/SC 1 *Static volume measurement* (Secretariat: Austria)
- TC 8/SC 2 *Static mass measurement* (Secretariat: vacant)

**Title of proposed merged Subcommittee:** TC 8/SC 1 *Static volume and mass measurement*

#### Scope of work of proposed new Subcommittee (including the project or projects to be developed by the new Subcommittee):

The common part of the scope of the Subcommittees merged into one remains unchanged by including static mass measurement in addition to static volume measurement.

#### Justification:

At the recent meeting of SC 1 there was a discussion and proposal for new projects including static volume and mass measurement that coincided with the proposals of the Bureau to revise R 125 (responsibility of SC 2) and to establish close cooperation between SC 1 and SC 2.

After that meeting Prof. Kochsiek and Dr. Leitner proposed to merge these two Subcommittees under the coordination of the Secretariat Austria and Germany for the benefit of the synergy effect and in order to make work more efficient.

The Secretariat of SC 2 has been vacant for a long time.

SC 2 is responsible for only one Recommendation - R 125 *Measuring systems for the mass of liquids in tanks* which is due for revision. This is to be attributed to the merged Subcommittee.

SC 2 has 16 P-Members all of which are among the 22 P-Members of SC 1 (in addition 4 O-Members of SC 2 are P-Members of SC 1).

The PTB (DE) volunteers to assume responsibility for the Co-Secretariat together with AT.

BIML view: There is no strong reason to maintain two separate SCs for static measurement of liquids since all static measurements are primarily based on the determination of the volume.

**Description of similar work undertaken by external organizations (if applicable):** N/A

#### List of internal bodies or external organizations with which liaison should be established:

SC 1 and SC 2 have the same organizations – CECOD, ISO, CEN and MARCOGAZ – as Liaison Organizations.

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