



## 43rd CIML Meeting Working Document

### ADDENDUM No. 2

The BIML proposes to add the following item to the 43rd CIML Meeting Working Document.

#### ITEM 6.4 TC/SC ITEMS FOR INFORMATION

Details of the following items can be found in Annex F.

- TC 3/SC 3 Confirmation of D 18:2002 *The use of certified reference materials in fields covered by metrological control exercised by national services of legal metrology. Basic principles* with an update of the bibliographical Annex.
- TC 7/SC 1 Confirmation of R 98:1991 *High-precision line measures of length.*
- TC 9/SC 4 R 15:1974 *Instruments for measuring the hectolitre mass of cereals.*

The Secretariat undertook a review of this Recommendation which resulted in a request for its confirmation. However, the BIML has just discovered that there is an ISO/FDIS on this subject which makes reference to R 15:1974. The BIML is in contact with the ISO Secretariat, which wants to ensure that a revision of R 15 is consistent with the Standard. The BIML therefore suggests that the confirmation is delayed to enable these discussions to take place.
- TC 9/SC 4 R 22:1975 *International alcoholometric tables.*

The Secretariat undertook a review of this Recommendation, following which it requested confirmation of R 22. However, the voting result was not conclusive, since the Secretariat had included votes from O-Members. The BIML recommends that it should examine the extent and way in which this Recommendation is used, and make a proposal to the CIML in 2009.
- TC 9/SC 4 R 44:1985 *Alcoholometers and alcohol hydrometers and thermometers for use in alcoholometry.*

The Secretariat undertook a review of this Recommendation, following which it requested confirmation of R 44. However, the voting result was not conclusive, since the Secretariat had included votes from O-Members. The BIML recommends that it should examine the extent and way in which this Recommendation is used, and make a proposal to the CIML in 2009.
- TC 17/SC 2 Confirmation of R 14:1995 *Polarimetric saccharimeters graduated in accordance with the ICUMSA International Sugar Scale.*
- TC 17/SC 2 Confirmation of R 108:1993 *Refractometers for the measurement of the sugar content of fruit juices.*
- TC 17/SC 2 Confirmation of R 124:1997 *Refractometers for the measurement of the sugar content of grape musts.*

## ITEM 6.5 TC/SC ITEMS FOR APPROVAL

Details of the following items can be found in Annex G.

- TC 1 In a vote by correspondence, a majority of P-Members of TC 1 (16 P-Members, 9 votes cast as of 26 September 2008, all in favor) accepted a proposal to revise the VIML (International Vocabulary of Legal Metrology; OIML V 1:2000) following the publication of the revised VIM (International Vocabulary of Metrology; OIML V 2-200:2007).
- TC 7/SC 4 The Secretariat conducted an inquiry amongst this Subcommittee's members (20 P-Members and 10 O-Members) concerning the revision of OIML R 91 *Radar equipment for the measurement of the speed of vehicles*. Ten votes were received from the twenty P-Members (and one from an O-Member), all in favor of revising OIML R 91. The CIML is therefore asked to confirm this revision.
- TC 9/SC 4 The Secretariat conducted an inquiry amongst this Subcommittee's members concerning the future of project p1 *Density value of aqueous sucrose solutions*. Six votes were received from the ten P-Members, all in favor of canceling this project. The CIML is therefore asked to confirm this cancellation.
- TC 17/SC 1 The Secretariat conducted an inquiry amongst this Subcommittee's members. The result was that 10 of the 14 P-Members are in favor of withdrawing OIML R 121. The CIML is therefore asked to withdraw R 121, and to ask the Conference to sanction this decision.

Draft Resolutions Nos. 24 and 25 are therefore modified as follows (additions highlighted):

### ***Draft Resolution no. 24***

*The Committee approved the withdrawal of the following publications:*

- *D 15:1986 Principles of selection of characteristics for the examination of measuring instruments;*
- *R 121:1996 The scale of relative humidity of air certified against saturated salt solutions.*

**Draft Resolution no. 25**

*The Committee approved the following new work items:*

- **Revision of V 1:2000 International Vocabulary of Legal Metrology;**
- *Revision of R 91:1990 Radar equipment for the measurement of the speed of vehicles;*
- *Revision of D 11:2004 General requirements for electronic measuring instruments;*
- *New project: Document Software – Methods and means of verification;*
- *Revision of the requirements in R 138 on measuring container bottles by TC 6;*
- *Revision of R 49:2006 Water meters intended for the metering of cold potable water and hot water;*
- *Revision of R 18:1989 Visual disappearing filament pyrometers;*
- *Revision of R 60:2000 Metrological regulation for load cells;*
- *Revision of R 16:2002 Mechanical non-invasive sphygmomanometers.*

***The Committee cancelled the following project:***

- **TC 9/SC 4 p1: Density value of aqueous sucrose solutions.**

## **Annex F**

### **TC/SC items for information**

The following items are added to this Annex:

#### **F.9 TC 3/SC 3 *Reference materials***

##### **Deadline: /**

According to the comments and votes received, the Secretariat of TC 3/SC 3 proposes the confirmation of OIML D 18:2002 *The use of certified reference materials in fields covered by metrological control exercised by national services of legal metrology. Basic principles* with an update of the bibliographical Annex.

##### **Comment by The Netherlands:**

In my opinion (at least) the Bibliography in Annex A should be brushed up. To give you some guidance, I attach an overview of the present status of the publications referred to.

##### **Comment by Germany:**

OIML Document D 18 does not need a thorough revision; some updates, however, seem necessary.

Since most of the technical and metrological requirements applicable to CRMs are not given directly in D 18, but via links to the relevant ISO Guides 30 to 35, these links as given in clauses 3.3 and 3.4 should be enforced by replacing “should” by “shall”.

Necessary updates concern the definitions of RM and CRM which should be made compliant with the new VIM, and the references to ISO Guides 30 to 35.

**F.10 TC 7/SC 1 *Measuring instruments for length***

The Secretariat's inquiry for the review of R 98:1991 *High-precision line measures of length* produced the following result. The Secretariat recommended that the Recommendation be re-confirmed.

|                     | <b>Withdrawal</b> | <b>Revision</b> | <b>Confirmation</b> |
|---------------------|-------------------|-----------------|---------------------|
| Austria             |                   |                 | Yes                 |
| Belgium             |                   |                 |                     |
| Brazil              |                   | Yes             |                     |
| Czech Republic      |                   |                 | Yes                 |
| France              |                   |                 | Yes                 |
| Hungary             |                   |                 |                     |
| Korea (Republic of) |                   |                 |                     |
| Norway              | Yes               |                 |                     |
| Poland              | Yes               |                 |                     |
| Romania             |                   |                 | Yes                 |
| Russian Federation  |                   |                 | Yes                 |
| Serbia              |                   |                 |                     |
| Slovakia            |                   |                 |                     |
| UK                  |                   | Yes             |                     |
| USA                 |                   | Yes             |                     |
| <b>TOTAL</b>        | <b>2</b>          | <b>3</b>        | <b>5</b>            |

**F.11 TC 8/SC 1 Static volume and mass measurement**

**Deadline: 16 February 2007**

Confirmation of R 125:1998 *Measuring systems for the mass of liquids in tanks*

| Member/Liaison       | Status | Response |   |   |          | Member/Liaison | Status | Response |   |   |            |
|----------------------|--------|----------|---|---|----------|----------------|--------|----------|---|---|------------|
|                      |        | C        | R | W | Comments |                |        | C        | R | W | Comments   |
| Australia            | P      |          |   |   |          | Bulgaria       | O      |          |   |   |            |
| Austria              | P      | X        |   |   |          | Denmark        | O      |          |   |   | Abstention |
| Belarus              | P      |          |   |   |          | Egypt          | O      |          |   |   |            |
| Belgium              | P      |          |   |   |          | Finland        | O      |          |   |   |            |
| Brazil               | P      | X        |   |   |          | Ireland        | O      |          |   |   |            |
| Cuba                 | P      | X        |   |   |          | Korea (D.P.R.) | O      |          |   |   |            |
| Czech Republic       | P      |          | X |   |          | Poland         | O      | X        |   |   |            |
| France               | P      |          |   |   |          | Spain          | O      |          |   |   |            |
| Germany              | P      | X        |   |   |          | United Kingdom | O      |          | X |   |            |
| Japan                | P      |          |   |   |          | CECIP          | L      |          |   |   |            |
| Korea (R.)           | P      |          |   |   |          | CEN            | L      |          |   |   |            |
| Netherlands          | P      |          |   |   |          | ISO            | L      |          |   |   |            |
| Norway               | P      |          |   |   |          | MARCOGAZ       | L      |          |   |   |            |
| P.R. China           | P      |          |   |   |          |                |        |          |   |   |            |
| Romania              | P      | X        |   |   |          |                |        |          |   |   |            |
| Russian Federation   | P      | X        |   |   |          |                |        |          |   |   |            |
| Serbia               | P      | X        |   |   |          |                |        |          |   |   |            |
| Slovakia             | P      | X        |   |   |          |                |        |          |   |   |            |
| Slovenia             | P      |          |   |   |          |                |        |          |   |   |            |
| South Africa         | P      |          |   |   |          |                |        |          |   |   |            |
| Sweden               | P      |          |   |   |          |                |        |          |   |   |            |
| Switzerland          | P      | X        |   |   |          |                |        |          |   |   |            |
| United States        | P      |          |   |   |          |                |        |          |   |   |            |
|                      |        |          |   |   |          |                |        |          |   |   |            |
| Vote by 23 P-Members |        | 9        | 1 |   |          |                |        |          |   |   |            |
| Not voted            |        | 14       |   |   |          |                |        |          |   |   |            |

## F.12 TC 9/SC 4 *Density*

The Secretariat's inquiry for the review of R 15:1974 *Instruments for measuring the hectolitre mass of cereals* produced the following result. The Secretariat recommended that the Recommendation be re-confirmed.

|                    | <b>Withdrawal</b> | <b>Revision</b> | <b>Confirmation</b> |
|--------------------|-------------------|-----------------|---------------------|
| Australia          |                   |                 |                     |
| Germany            |                   |                 | Yes                 |
| Russian Federation |                   |                 | Yes                 |
| USA                |                   | Yes             |                     |
| Austria            |                   | Yes             |                     |
| China              |                   |                 |                     |
| Serbia             |                   |                 | Yes                 |
| France             | Yes               |                 |                     |
| Poland             |                   |                 | Yes                 |
| UK                 |                   |                 |                     |
| <b>TOTAL</b>       | <b>1</b>          | <b>2</b>        | <b>4</b>            |

### F.13 TC 9/SC 4 *Density*

The Secretariat's inquiry for the review of R 22:1975 *International alcoholometric tables* produced the following result. The Secretariat recommended that the Recommendation be re-confirmed.

|                    | <b>Withdrawal</b> | <b>Revision</b> | <b>Confirmation</b> |
|--------------------|-------------------|-----------------|---------------------|
| Australia          |                   |                 |                     |
| Germany            |                   | Yes             |                     |
| Russian Federation |                   |                 | Yes                 |
| USA                |                   | Yes             |                     |
| Austria            | Yes               |                 |                     |
| China              |                   |                 |                     |
| Serbia             |                   |                 | Yes                 |
| France             |                   |                 | Yes                 |
| Poland             |                   | Yes             |                     |
| UK                 |                   |                 |                     |
| <b>TOTAL</b>       | <b>1</b>          | <b>3</b>        | <b>3</b>            |



**F.14 TC 9/SC 4 Density**

The Secretariat's inquiry for the review of R 44:1985 *Alcoholometers and alcohol hydrometers and thermometers for use in alcoholometry* produced the following result. The Secretariat recommended that the Recommendation be re-confirmed.

|                    | <b>Withdrawal</b> | <b>Revision</b> | <b>Confirmation</b> |
|--------------------|-------------------|-----------------|---------------------|
| Australia          |                   |                 |                     |
| Germany            |                   |                 | Yes                 |
| Russian Federation |                   |                 |                     |
| USA                |                   | Yes             |                     |
| Austria            | Yes               |                 |                     |
| China              |                   |                 |                     |
| Serbia             |                   |                 | Yes                 |
| France             |                   |                 | Yes                 |
| Poland             |                   | Yes             |                     |
| UK                 |                   |                 |                     |
| <b>TOTAL</b>       | <b>1</b>          | <b>2</b>        | <b>3</b>            |

**F.15 TC 11/SC 3 Radiation thermometers**

**Deadline: 30 September 2006**

Confirmation of D 24:1996 *Total radiation pyrometers*

| Member/Liaison      | Status | Response |   |   |          | Member/Liaison | Status | Response |   |   |          |
|---------------------|--------|----------|---|---|----------|----------------|--------|----------|---|---|----------|
|                     |        | C        | R | W | Comments |                |        | C        | R | W | Comments |
| Czech Republic      | P      | X        |   |   |          | Austria        | O      |          |   |   |          |
| Germany             | P      |          | X |   |          | Bulgaria       | O      |          |   |   |          |
| Japan               | P      | X        |   |   |          | Egypt          | O      |          |   |   |          |
| Korea (R.)          | P      | X        |   |   |          | Finland        | O      |          |   |   |          |
| Netherlands         | P      |          |   |   |          | Hungary        | O      | X        |   |   |          |
| Russian Federation  | P      | X        |   |   |          | Iran           | O      |          |   |   |          |
| Slovakia            | P      |          |   |   |          | Korea (D.P.R)  | O      |          |   |   |          |
| United Kingdom      | P      |          | X |   |          | Norway         | O      |          |   | X |          |
| United States       | P      | X        |   |   |          | Poland         | O      |          | X |   |          |
|                     | P      |          |   |   |          | Serbia         | O      | X        |   |   |          |
|                     | P      |          |   |   |          | Spain          | O      |          |   |   |          |
|                     | P      |          |   |   |          | Sri Lanka      | O      |          |   |   |          |
|                     | P      |          |   |   |          | CIE            | L      |          |   |   |          |
|                     | P      |          |   |   |          |                |        |          |   |   |          |
| Vote by 9 P-Members |        | 5        | 2 | 0 |          |                |        |          |   |   |          |
| Not voted           |        | 2        |   |   |          |                |        |          |   |   |          |

**F.16 TC 17/SC 2 Saccharimetry**

**Deadline: 1 September 2008**

Confirmation of R 14:1995 *Polarimetric saccharimeters graduated in accordance with the ICUMSA International Sugar Scale*

| Member/Liaison      | Status | Response |   |   |          | Member/Liaison | Status | Response |   |   |          |
|---------------------|--------|----------|---|---|----------|----------------|--------|----------|---|---|----------|
|                     |        | C        | R | W | Comments |                |        | C        | R | W | Comments |
| Cuba                | P      |          |   |   |          | Austria        | O      |          |   |   |          |
| France              | P      | X        |   |   |          | Bulgaria       | O      |          |   |   |          |
| Germany             | P      | X        |   |   |          | Czech Republic | O      | X        |   |   |          |
| Kazakhstan          | P      | X        |   |   |          | Egypt          | O      |          |   |   |          |
| P.R. China          | P      |          |   |   |          | Finland        | O      |          |   |   |          |
| Poland              | P      | X        |   |   |          | Japan          | O      |          |   |   |          |
| Russian Federation  | P      | X        |   |   |          | Romania        | O      | X        |   |   |          |
| United Kingdom      | P      |          |   |   |          | Serbia         | O      | X        |   |   |          |
| United States       | P      |          | X |   |          | Slovakia       | O      |          |   |   |          |
|                     |        |          |   |   |          | Slovenia       | O      |          |   |   |          |
| Vote by 9 P-Members |        | 5        | 1 | 0 |          | Spain          | O      |          |   |   |          |
| Not voted           |        | 3        |   |   |          | ICUMSA         | L      |          |   |   |          |
|                     |        |          |   |   |          | OIV            | L      |          |   |   |          |

**F.17 TC 17/SC 2 Saccharimetry**

**Deadline: 15 September 2008**

Confirmation of R 108:1993 *Refractometers for the measurement of the sugar content of fruit juices*

| Member/Liaison      | Status | Response |   |   |            | Member/Liaison | Status | Response |   |   |          |
|---------------------|--------|----------|---|---|------------|----------------|--------|----------|---|---|----------|
|                     |        | C        | R | W | Comments   |                |        | C        | R | W | Comments |
| Cuba                | P      |          |   |   |            | Austria        | O      |          |   |   |          |
| France              | P      |          |   |   | Abstention | Bulgaria       | O      |          |   |   |          |
| Germany             | P      | X        |   |   |            | Czech Republic | O      |          |   |   |          |
| Kazakhstan          | P      | X        |   |   |            | Egypt          | O      |          |   |   |          |
| P.R. China          | P      |          |   |   |            | Finland        | O      |          |   |   |          |
| Poland              | P      |          |   | X |            | Japan          | O      |          |   |   |          |
| Russian Federation  | P      |          |   |   | Abstention | Romania        | O      | X        |   |   |          |
| United Kingdom      | P      |          | X |   |            | Serbia         | O      | X        |   |   |          |
| United States       | P      |          |   |   |            | Slovakia       | O      | X        |   |   |          |
|                     |        |          |   |   |            | Slovenia       | O      |          |   |   |          |
| Vote by 9 P-Members |        | 2        | 1 | 1 |            | Spain          | O      |          |   |   |          |
| Not voted           |        | 2        |   |   |            | ICUMSA         | L      |          |   |   |          |
|                     |        |          |   |   |            | OIV            | L      |          |   |   |          |

**F.18 TC 17/SC 2 Saccharimetry**

**Deadline: 1 September 2008**

Confirmation of R 124:1997 *Refractometers for the measurement of the sugar content of grape musts*

| Member/Liaison      | Status | Response |   |   |          | Member/Liaison | Status | Response |   |   |          |
|---------------------|--------|----------|---|---|----------|----------------|--------|----------|---|---|----------|
|                     |        | C        | R | W | Comments |                |        | C        | R | W | Comments |
| Cuba                | P      |          |   |   |          | Austria        | O      |          | X |   |          |
| France              | P      | X        |   |   |          | Bulgaria       | O      |          |   |   |          |
| Germany             | P      | X        |   |   |          | Czech Republic | O      | X        |   |   |          |
| Kazakhstan          | P      | X        |   |   |          | Egypt          | O      |          |   |   |          |
| P.R. China          | P      |          |   |   |          | Finland        | O      |          |   |   |          |
| Poland              | P      | X        |   |   |          | Japan          | O      |          |   |   |          |
| Russian Federation  | P      | X        |   |   |          | Romania        | O      | X        |   |   |          |
| United Kingdom      | P      |          |   |   |          | Serbia         | O      | X        |   |   |          |
| United States       | P      |          | X |   |          | Slovakia       | O      |          |   |   |          |
|                     |        |          |   |   |          | Slovenia       | O      |          |   |   |          |
| Vote by 9 P-Members |        | 5        | 1 | 0 |          | Spain          | O      |          |   |   |          |
| Not voted           |        | 3        |   |   |          | ICUMSA         | L      |          |   |   |          |
|                     |        |          |   |   |          | OIV            | L      |          |   |   |          |

## Annex G

### TC/SC items for approval

The following items are added to this Annex:

#### G.14 TC 5/SC 1 *Electronic instruments*

**Deadline: 21 July 2008**

Revision of D 11:2004 *General requirements for electronic measuring instruments*

| Member/Liaison       | Status | Response |    |   |          | Member/Liaison | Status | Response |   |   |          |
|----------------------|--------|----------|----|---|----------|----------------|--------|----------|---|---|----------|
|                      |        | C        | R  | W | Comments |                |        | C        | R | W | Comments |
| Australia            | P      |          |    |   |          | Austria        | O      |          | X |   | Yes      |
| Belgium              | P      |          | X  |   |          | Belarus        | O      |          |   |   |          |
| Brazil               | P      |          |    |   |          | Bulgaria       | O      |          |   |   |          |
| Cuba                 | P      |          |    |   |          | Czech Republic | O      |          | X |   |          |
| Denmark              | P      |          | X  |   |          | Egypt          | O      |          |   |   |          |
| Finland              | P      |          | X  |   |          | Indonesia      | O      |          |   |   |          |
| France               | P      |          | X  |   |          | Ireland        | O      |          |   |   |          |
| Germany              | P      |          | X  |   |          | Italy          | O      |          |   |   |          |
| Japan                | P      | X        |    |   | Yes      | P.R. China     | O      |          |   |   |          |
| Korea (R.)           | P      | X        |    |   |          | Poland         | O      | X        |   |   |          |
| Netherlands          | P      |          | X  |   |          | Serbia         | O      |          |   |   |          |
| Norway               | P      |          | X  |   |          | Spain          | O      |          |   |   |          |
| Romania              | P      |          |    |   |          | Sweden         | O      |          |   |   |          |
| Russian Federation   | P      |          | X  |   |          | CECIP          | L      |          |   |   | Yes      |
| Slovakia             | P      | X        |    |   |          | CECOD          | L      |          |   |   |          |
| Slovenia             | P      |          | X  |   | Yes      | CITEF          | L      |          |   |   |          |
| South Africa         | P      |          | X  |   |          | IEC            | L      |          |   |   |          |
| Switzerland          | P      |          | X  |   |          | ISO            | L      |          |   |   |          |
| United Kingdom       | P      |          | X  |   |          |                |        |          |   |   |          |
| United States        | P      |          | X  |   | Yes      |                |        |          |   |   |          |
|                      |        |          |    |   |          |                |        |          |   |   |          |
| Vote by 20 P-Members |        | 3        | 13 | 0 |          |                |        |          |   |   |          |
| Not voted            |        | 5        |    |   |          |                |        |          |   |   |          |

**Comment by the USA:**

The only question is, should the revision be limited in scope addressing revising the updated ISO and IEC standards or total? Regardless the US supports an early D 11 revision.

**Responses by the Secretary:**

In my opinion, the revision should be far more than only the scope. For instance, it should be updated in accordance with the latest ISO and IEC Standards. See also the just published Expert report OIML E 5. And, since the publication of the present D 11, I collected a lot more suggestions for improvements which will be subject to later discussion in TC 5/SC 1.

**Comment by Slovenia**

Our opinion is that this Document is still important and a revision shall be carried out.

**Responses by the Secretary:**

Agree.

**Comment by Austria:**

Austria is very much in favor of a revision of D 11 "General Requirements for Electronic Measuring Instruments".

Revision to bring it in line with recent developments of standards.

**Responses by the Secretary:**

Agree.

**Comment by Japan:**

We are aware that many standards including IEC 61000 series, which are referred to in D 11:2004, have been revised or replaced. However, as you can see, R 76, one of the most used OIML Recommendations, was revised and published in 2006 and it refers to D 11:2004 in there.

Some countries have finished interpolating its revised requirements into their relevant national regulations, and, some may be still in its process.

Therefore, it seems to take time for D 11:2004 to become established in the national legal metrology authorities related to pattern approval testing.

Under these circumstances, launching of revision of D 11:2004 will be possibly giving rise to the confusion among the above authorities and people concerned.

**Responses by the Secretary:**

In my opinion, it is not wise to have "dynamic" references to OIML D 11 (and to the standards as well).

And in my opinion, the OIML Recommendations should preferably not refer to D 11, but instead directly to the applicable ISO/IEC standards, in a "static" way (including the version or year of publication).

This was also discussed during the OIML Seminar, April 2008 in Douai.

Updating OIML D 11 to, for instance, version 2010 does not change the version 2004. So this does not change R 76 (2006) in any respect.

In conclusion:

Although I understand your concern, in my opinion this concern is undeserved.

**Comment by CECIP:**

When D 11 would be considered (and kept) always to be actual, in particular concerning the updated international test procedures, a lot of pages prescribing the test procedures nowadays in the specific instrument recommendation could be deleted.

A further advantage would be, to keep only one document (D 11) up to date with current test procedures and test levels instead of modifying all the existing instrument specific recommendations.

**Responses by the Secretary:**

It would be nice to keep OIML D 11 continuously 100 % in line with the most recent versions of the ISO and IEC standards. But in practice, this is impossible.

In the initial discussions I had with the BIML about a possible general template for OIML Recommendations, the possibility was discussed to draft a horizontal document (maybe replacing D 11 in the future), covering all kinds of requirements that can be of general applicability for all categories of instruments. But this suggestion was rejected by the BIML as far as the requirements are concerned.

For the tests, the situation is even more difficult as, in many cases, the test procedure shall be detailed for specific kinds of instruments.

So it was concluded that all Recommendations shall be complete themselves.



## G.15 TC 5/SC 2 Software

**Deadline: 4 June 2008**

New work item *Software – Methods and means of verification*

| Member/Liaison       | Status | Response |    |         | Member/Liaison | Status | Response |    |
|----------------------|--------|----------|----|---------|----------------|--------|----------|----|
|                      |        | Yes      | No | Abstain |                |        | Yes      | No |
| Australia            | P      |          |    |         | Austria        | O      |          |    |
| Belarus              | P      | X        |    |         | Bulgaria       | O      |          |    |
| Belgium              | P      | X        |    |         | Egypt          | O      |          |    |
| Brazil               | P      | X        |    |         | Indonesia      | O      |          |    |
| Canada               | P      | X        |    |         | Ireland        | O      | X        |    |
| Cuba                 | P      |          |    |         | Italy          | O      |          |    |
| Czech Republic       | P      | X        |    |         | Mexico         | O      |          |    |
| Denmark              | P      | X        |    |         | New Zealand    | O      |          |    |
| Finland              | P      |          |    |         | Poland         | O      | X        |    |
| France               | P      |          |    |         | Serbia         | O      | X        |    |
| Germany              | P      | X        |    |         | South Africa   | O      |          |    |
| Japan                | P      |          |    | X       | Spain          | O      |          |    |
| Korea (R.)           | P      |          |    |         | Switzerland    | O      | X        |    |
| Netherlands          | P      | X        |    |         | CECIP          | L      |          | X  |
| Norway               | P      |          |    |         | CECOD          | L      |          |    |
| P.R. China           | P      |          |    |         | IEC            | L      |          |    |
| Romania              | P      |          |    |         | ISO            | L      |          |    |
| Russian Federation   | P      | X        |    |         |                |        |          |    |
| Slovakia             | P      | X        |    |         |                |        |          |    |
| Slovenia             | P      |          |    |         |                |        |          |    |
| Sweden               | P      | X        |    |         |                |        |          |    |
| United Kingdom       | P      | X        |    |         |                |        |          |    |
| United States        | P      | X        |    |         |                |        |          |    |
| Vote by 23 P-Members |        | 13       | 0  | 1       |                |        |          |    |
| Not voted            |        | 9        |    |         |                |        |          |    |

### Comment by CECIP:

Software is one of the essential elements in modern measuring instruments. Therefore CECIP welcomes adequate procedures to ensure correct and tamper-resistant software. As laid down in several OIML and WELMEC documents, ensuring software security has to take place during the type approval procedure in general. Thus software can be unambiguously described and identified in the approval certificate.

Verification and market surveillance are instruments to prove conformity of the measuring instrument to the type approval certificate and to legal requirements. Conformity of software to legal requirements have been checked during the type approval process already. Therefore the test on site should include identification against the certificate of the installed software only (SW identification numbers, checksums, log files, etc.).

Procedures how to check SW identity are described in the type approval certificates since a couple of years already. Inspectors and verification authorities know how to proceed. As this is common practice CECIP is of the opinion, that there is no need for an additional document.

This with the goal to limit administration and bureaucracy to an arguable level as well.

**Comment by Japan:**

As to the proposal for a new project titled with "Software – Methods and means of verification", we would like to abstain from its voting because it seems premature to go further and develop the project. Perhaps we could possibly wait until the type approval procedures defined by the above TC 5/SC 2 document on ballot come to gain ample experience.

**Comment by The Netherlands:**

In our opinion, there is a mistake in the proposal:

Item 5 of the proposal claims: *"The scope of the current OIML Document developed by TC 5/SC 2 "General requirements for software controlled measuring instruments" is limited to the type approval procedure. Verifications (initial, in the field and market surveillance) are not addressed in it."* And the proposal as a whole suggests that the new work item shall lead to an extra Document. But, it is our opinion that it is a wrong presumption that the current draft should focus on type tests:

As the title says, it should give priority to the requirements (§ 5 of the 2CD).

And of course, these requirements shall be completed with procedures for type approval (§ 6 of the CD) and verifications (§ 7 of the CD), and if possible/relevant for inspection as well. Therefore, we are in favor completing § 7 of the current draft with procedures for verification, rather than making an extra document.

Of course, the present draft almost being ready, this process should not be delayed by the new work item.

So, in our opinion, the new work item should lead to either an Addendum or to a revised publication of the "General requirements for software controlled measuring instruments", containing a more extensive § 7, and not to an extra OIML Document.

**G.16 TC 7/SC 4 Measuring instruments for road traffic**

Revision of R 91:1990 *Radar equipment for the measurement of the speed of vehicles*

**Deadline: 7 October 2008**

| Member/Liaison       | Status | Response |    |   |          | Member/Liaison | Status | Response |   |   |          |  |
|----------------------|--------|----------|----|---|----------|----------------|--------|----------|---|---|----------|--|
|                      |        | C        | R  | W | Comments |                |        | C        | R | W | Comments |  |
| Australia            | P      |          |    |   |          | Bulgaria       | O      |          |   |   |          |  |
| Austria              | P      |          |    |   |          | Cyprus         | O      |          | X |   |          |  |
| Belgium              | P      |          |    |   |          | Denmark        | O      |          |   |   |          |  |
| Brazil               | P      |          | X  |   |          | Egypt          | O      |          |   |   |          |  |
| Czech Republic       | P      |          | X  |   |          | Ireland        | O      |          |   |   |          |  |
| Finland              | P      |          |    |   |          | Korea (R.)     | O      |          |   |   |          |  |
| France               | P      |          | X  |   |          | P.R. China     | O      |          |   |   |          |  |
| Germany              | P      |          | X  |   | X        | Slovenia       | O      |          |   |   |          |  |
| Japan                | P      |          |    |   |          | South Africa   | O      |          | X |   |          |  |
| Netherlands          | P      |          | X  |   |          | IEC            | L      |          |   |   |          |  |
| Norway               | P      |          |    |   |          |                |        |          |   |   |          |  |
| Poland               | P      |          |    |   |          |                |        |          |   |   |          |  |
| Romania              | P      |          |    |   |          |                |        |          |   |   |          |  |
| Russian Federation   | P      |          | X  |   |          |                |        |          |   |   |          |  |
| Serbia               | P      |          | X  |   |          |                |        |          |   |   |          |  |
| Slovakia             | P      |          |    |   |          |                |        |          |   |   |          |  |
| Sweden               | P      |          |    |   |          |                |        |          |   |   |          |  |
| Switzerland          | P      |          | X  |   |          |                |        |          |   |   |          |  |
| United Kingdom       | P      |          | X  |   |          |                |        |          |   |   |          |  |
| United States        | P      |          | X  |   | X        |                |        |          |   |   |          |  |
| Vote by 20 P-Members |        | 0        | 10 | 0 |          |                |        |          |   |   |          |  |
| Not voted            |        | 10       |    |   |          |                |        |          |   |   |          |  |

**Comments received from Germany:**

From Germany's point of view OIML R 91 should be revised. We should, however, wait one year until radar instruments with an additional distance measurement function have been brought onto the market. These new technologies would be a good reason to start the revision.

**Comments received from the United States:**

The US is also interested in assuming the responsibility for the SC 4 Secretariat. The US interest is based on its widespread usage of the devices coupled with existing regulations and a well established manufacturing base. Since the adoption of R 91 many new technologies (different radar bands, pulsed radar, speed cameras, and lidar) have become wide spread, that may necessitate the development of several Recommendations.

**G.17 TC 8/SC 5 Water meters**

**This vote was organized during the OIML TC 8/SC 5 meeting on 21 November 2006 at BSI (London, UK).**

Revision of R 49:2006 *Water meters intended for the metering of cold potable water and hot water*

| Member/Liaison       | Status | Response |    |   |          | Member/Liaison | Status | Response |   |   |          |
|----------------------|--------|----------|----|---|----------|----------------|--------|----------|---|---|----------|
|                      |        | C        | R  | W | Comments |                |        | C        | R | W | Comments |
| Australia            | P      |          | X  |   |          | Belarus        | O      |          |   |   |          |
| Austria              | P      |          | X  |   |          | Bulgaria       | O      |          |   |   |          |
| Belgium              | P      |          |    |   |          | Egypt          | O      |          |   |   |          |
| Brazil               | P      |          |    |   |          | Hungary        | O      |          |   |   |          |
| Canada               | P      |          | X  |   |          | Indonesia      | O      |          | X |   |          |
| Cuba                 | P      |          |    |   |          | Ireland        | O      |          |   |   |          |
| Czech Republic       | P      |          |    |   |          | Israel         | O      |          | X |   |          |
| Denmark              | P      |          |    |   |          | Italy          | O      |          |   |   |          |
| Finland              | P      |          |    |   |          | Korea (D.P.R.) | O      |          |   |   |          |
| France               | P      |          | X  |   |          | Netherlands    | O      |          | X |   |          |
| Germany              | P      |          | X  |   |          | Spain          | O      |          |   |   |          |
| Japan                | P      |          | X  |   |          | Sweden         | O      |          |   |   |          |
| Korea (R.)           | P      |          |    |   |          | AQUA           | L      |          |   |   |          |
| Norway               | P      |          |    |   |          | CEN            | L      |          |   |   |          |
| P.R. China           | P      |          |    |   |          | ISO            | L      |          |   |   |          |
| Poland               | P      |          |    |   |          | IWA            | L      |          |   |   |          |
| Romania              | P      |          |    |   |          |                |        |          |   |   |          |
| Russian Federation   | P      |          |    |   |          |                |        |          |   |   |          |
| Serbia               | P      |          |    |   |          |                |        |          |   |   |          |
| Slovakia             | P      |          | X  |   |          |                |        |          |   |   |          |
| Slovenia             | P      |          |    |   |          |                |        |          |   |   |          |
| South Africa         | P      |          | X  |   |          |                |        |          |   |   |          |
| Switzerland          | P      |          | X  |   |          |                |        |          |   |   |          |
| United Kingdom       | P      |          | X  |   |          |                |        |          |   |   |          |
| United States        | P      |          | X  |   |          |                |        |          |   |   |          |
|                      |        |          |    |   |          |                |        |          |   |   |          |
| Vote by 25 P-Members |        | 0        | 11 | 0 |          |                |        |          |   |   |          |
| Not voted            |        | 14       |    |   |          |                |        |          |   |   |          |

**G.18 TC 11/SC 3 Radiation thermometers**

**Deadline: 30 September 2006**

Revision of R 18:1989 *Visual disappearing filament pyrometers*

| Member/Liaison      | Status | Response |   |   |          | Member/Liaison | Status | Response |   |   |          |
|---------------------|--------|----------|---|---|----------|----------------|--------|----------|---|---|----------|
|                     |        | C        | R | W | Comments |                |        | C        | R | W | Comments |
| Czech Republic      | P      | X        |   |   |          | Austria        | O      |          |   |   |          |
| Germany             | P      |          | X |   |          | Bulgaria       | O      |          |   |   |          |
| Japan               | P      | X        |   |   |          | Egypt          | O      |          |   |   |          |
| Korea (R.)          | P      |          | X |   |          | Finland        | O      |          |   |   |          |
| Netherlands         | P      |          |   |   |          | Hungary        | O      | X        |   |   |          |
| Russian Federation  | P      |          | X |   |          | Iran           | O      |          |   |   |          |
| Slovakia            | P      |          |   |   |          | Korea (D.P.R)  | O      |          |   |   |          |
| United Kingdom      | P      |          | X |   |          | Norway         | O      |          |   | X |          |
| United States       | P      |          | X |   |          | Poland         | O      | X        |   |   |          |
|                     | P      |          |   |   |          | Serbia         | O      | X        |   |   |          |
|                     | P      |          |   |   |          | Spain          | O      |          |   |   |          |
|                     | P      |          |   |   |          | Sri Lanka      | O      |          |   |   |          |
|                     | P      |          |   |   |          | CIE            | L      |          |   |   |          |
|                     | P      |          |   |   |          |                |        |          |   |   |          |
|                     |        |          |   |   |          |                |        |          |   |   |          |
| Vote by 9 P-Members |        | 2        | 5 | 0 |          |                |        |          |   |   |          |
| Not voted           |        | 2        |   |   |          |                |        |          |   |   |          |

## G.19 TC 17/SC 1 Humidity

Proposal to withdraw R 121:1996 *The scale of relative humidity of air certified against saturated salt solutions*.

Results of the inquiry among TC 17/SC 1 P-Members

| Country         | Vote | Comments   |
|-----------------|------|--|
| Austria         | Yes  | Considering the scope and application of R 121 we fully agree with your point of view that an ISO Standard should be worked out. Therefore we support the withdrawal of R 121.   |
| China           | Yes  |  |
| Czech Republic  | Yes  | We think that OIML R 121 "The scale of relative humidity of air certified against saturated salt solutions" should be withdrawn. We agree with change the status of R 121 to an OIML Guide or an OIML Document.  |
| France          | Yes  | I support this idea of changing the status of R121 to an OIML Guide or OIML Document.  |
| Germany         | Yes  | From Germany's point of view the OIML Recommendation R 121 "The scale of relative humidity of air certified against saturated salt solutions" should be withdrawn.   |
| Japan           | Yes  | We are pleased to inform you that we agree to your suggestion to change the status of R 121 "The scale of relative humidity of air certified against saturated salt solutions" to an OIML Document or an OIML Guide.   |
| The Netherlands | Yes  | Referring to your question about the future of OIML R 121, I can inform you that we fully agree with the proposal to withdraw the OIML Recommendation R121. Our preference would be to change this to an ISO Standard.   |
| Poland          | Yes  | Referring to the Recommendation R 121 "The scale of relative humidity of air certified against saturated salt solutions" we consider its withdrawal as justified. We share your opinion that changing the status of this Document to the OIML Guide (preferable) or OIML Document will be useful.  |
| United Kingdom  | Yes  | I agree with the proposal to withdraw R 121 from the status of "Recommendation" and change it to a Guide or a Document (whichever is more appropriate).<br>If we propose the change of status, should R 121 be fully reviewed by TC 17/SC 1 at this time? If not reviewed now, we should make sure that the change does not cause us to lose track of when the next review will be needed. |
| United States   | Yes  | I reviewed R 121 and I agree that it does not address a category or model of instrument and I have not received any negative comments to changing this Recommendation to a Guide   |

**Conclusion:** 10 of the 14 TC 17/SC 1 P-Members are in favor of withdrawing OIML R 121. Consequently on the basis of 2.10 of OIML B 6-1, since a majority of P-Members are in favor, the proposal is submitted to the Conference.