

# **Intra- and Inter-regional Amount of Substance CMC Review**

**Jim McLaren, KCWG Chair  
SIM Chemical Metrology Working Group  
Trinidad and Tobago  
October 2005**

# Amount of Substance CMC Review Process

- Draft CMC's are submitted to the RMO Chemical Metrology Chair
- The Chair arranges for a inter-regional review of the CMC's
- CMC's are revised as required
- RMO-approved CMC's are submitted to the JCRB Executive Secretary, via the RMO Technical Committee Chair
- The Executive Secretary organizes CMC's from all RMO's for inter-regional review

# Amount of Substance CMC Review Process (con'd)

- The KCWG reviews the CMC's then meets to discuss them each April at the BIPM
- CMC's are revised as required/recommended by the KCWG
- The KCWG recommends the revised CMC's for final approval by the RMO's
- After RMO approval, the CMC's are entered into Appendix C of the CIPM Mutual Recognition Arrangement (MRA)

# KCWG Membership

## EUROMET

Werner Haesselbarth	BAM
Philippe Charlet	BNM/LNE
Enzo Ferrara	IEN
Peter Woods	NPL

## SIM

Yoshito Mitani	CENAM
Judith Velina Lara	CENAM
Reenie Parris	NIST
Kenneth Pratt	NIST
Jim McLaren	NRC

## SADCMET

Wynand Louw	CSIR-NML
Angelique Botha	CSIR-NML

## APMP

Hun-Young So	KRISS
Jin-Seog Kim	KRISS
Tsuneaki Maeda	NMIJ/AIST
Lindsey Mackay	NARL

## COOMET

Yuri Kustikov	VNIIM
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# 2005 Meeting Agenda

1. **Review of Cycle VI CMC's**
2. **Review of "unfinished business" from previous CMC cycles**
3. **Discussion of review process for future Amount of Substance CMC's**
4. Discussion for review process for published CMC's
5. Discussion of process for identifying "high priority" Key Comparisons
6. Other business
7. Date of next meeting

# The Role of the KCWG in CMC Review

- *“The role of the KCWG is to verify, at the global level, that the CMC review process within all RMO’s is uniformly comprehensive and adequately thorough.”*

**Guidelines for CMC Inter-regional review, March 2004**

# Cycle VI CMC Review Process Prior to Meeting

- 417 CMC's in 12 Measurement Service Categories (MSC's) from 5 RMO's submitted to BIPM/JCRB for review by Mar. 1, 2005
- CMC's re-organized by BIPM into one Excel workbook for each MSC and posted on restricted access KCWG web site in early March
- .pdf file of all KC and pilot study results prepared and posted on KCWG site
- KCWG members reviewed CMC's, sent questions and comments to WG Chair and RMO Chair

# Cycle VI Deadlines (2005)

## Action

## Deadline

RMO's submit Cycle VI files	1 March
KCWG Meeting	7/8 April
Post "accepted" CMCs to <b>JCRB</b> site	22 April
Feedback from Tech. WG's	29 April
Post files with KCWG & WG notes to <b>KCWG</b> site	6 May
RMO's submit revised files	1 August
Revised files posted to <b>KCWG</b> site	8 August
Deadline for KCWG comments to RMO's	15 September
RMO's submit final files	15 October
End of Cycle VI review process	15 November
Post final CMC files to <b>JCRB</b> site	15 November
Deadline for RMO approval	23 December

# Summary

- New inter-regional review process is working well for Cycle V CMC's
- Support from BIPM has greatly improved efficiency of review process
- Action plan for “unfinished business” from previous review cycles established, with firm timelines
- Some issues associated with scarcity of KC results