

WG CMC Report to CCPR 2016

Meetings

- 2014
 - ✓ 15 September 2014 at BIPM
 - ✓ Members from AFRIMETS, APMP, COOMET, EURAMET and SIM present
 - ✓ Chaired by R Sieberhagen (AFRIMETS)
 - ✓ 25 Participants
- 2016
 - ✓ 20 September 2016 at BIPM
 - ✓ Members from AFRIMETS, APMP, COOMET, EURAMET and SIM present
 - ✓ Chaired by T Zama(APMP)
 - ✓ 36 Participants

Update of the service category list (1)

- **4.17 Refractive index, spectral**
 - 4.17.1 Solid material: *wavelength, temperature, specific measurement conditions*
- **4.18 Angle of rotation of plane of polarization, spectral**
 - 4.18.1 Solid material: *wavelength, temperature*
 - 4.18.2 Liquid material: *wavelength, temperature*
- **4.19 Ellipsometric angles ψ , Δ , spectral**
 - 4.19.1 General material: *wavelength range, type of material*

Action Point: Adding those to the CMC service category list???

Update of the service category list (2)

Service Category	Quantity	Instrument or artifact	Units	Evaluation parameters
7.10	Length			
7.10.0	Optical fibre length	Reference fibres	m	Wavelength range Specification Standard used
7.10.1	Distance scale deviation	OTDR	m/m	Wavelength range Specification Standard used
7.10.2	Location offset	OTDR	m	Wavelength range Specification Standard used
7.5.2	Loss deviation	OTDR	dB	Wavelength range Specification Standard used

Action Point: If there is no negative response in one month, service categories are accepted

Update of the service category list (3)

Service Category	Quantity	Instrument or artifact	Units	Evaluation parameters
7.11.1	Polarization Mode Dispersion (PMD)	Reference fibres	ps km ^{-1/2}	Wavelength range Specification Standard used
7.11.2	Differential Group Delay (DGD)	Reference Fibres	ps	Wavelength range Specification Standard used
7.12.1	Differential Mode Delay (DMD)	Multimode reference fibres	ps	Wavelength range Specification Standard used
7.13.1	Effective index of refraction	Reference optical fibres	1	Wavelength range Specification Standard used

Action Point: WG-SP TG6 start discussion about the categories

Update of CMC Excel Table (1)

- Inconsistencies between the CMC Excel Table and the service category list had been pointed out and modified.
- and clarification and simplification of some category columns was done.

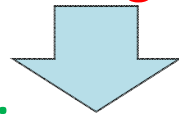
Action Point: Checking the clarified and simplified CMC Excel Table in one month

Action Point: Forming a Task Group for modifying and clarifying CMC Excel Table

Action Point: Forming the other Task Group for harmonizing CMC review processes and ensuring that review processes are consistent across CCPR.

Update of the service category list and CMC Excel Tables (1)

- 1. Photometry
 - 1.1 Luminous intensity
 - 1.1.1 Tungsten lamp: *correlated colour temperature*
 - ~~1.1.2 LED: *geometric measurement conditions, peak wavelength (or white)*~~
 - 1.9 Averaged luminous intensity
 - 1.9.1 LED: *geometric measurement conditions, peak wavelength (or white)*



Action Point: Changing the service category list and NMIs who Listed the 1.1.2 in the CMC excel tables change those and send to KCDB **secretary and send the CC to TC Chairs**

Update of the service category list and CMC Excel Tables (2)

- Required parameters for CMC entries of luminous intensity of LEDs to be completed with the required parameters by the owner

Action Point: CMC entries on luminous intensity of LEDs to be completed with the required parameters by the owner NMIs.

Other important issues (1)

Action Point:

- Forming a Task Group to propose guidelines related to the use of comparison results in reviewing CMCs and establishing a solid statistical basis for the use of WG-CMC

Other important issues (2)

Recommendation:

- The submitting RMO TC Chair may decide to remove CMCs which will not be approved in a short time and re-submit the remaining, approved CMCs. The CMCs which have not been approved would form a new submission
- The Chair of WG-CMC should be on-going for a period long enough to include a number of meetings
- WG-CMC should meet annually, possibly including work on reviewing contentious CMCs

Thank you for your attention