

Agenda item 10. Update on the JCRB

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Executive Secretary of the JCRB

Bureau
| **I**nternational des
| **P**oids et
| **M**esures



27 “classic” CMC sets published March 2018–Feb 2019 (39th–40th JCRB)

Name	RMO	Branch	Submitted	Reviewed	Revised	Published in KCDB	Submit – Review	Review – Revise	Revise – Publish	Total
EURAMET.M.60.2018	EURAMET	M	29-Jun-18	20-Nov-18	10-Feb-19	20-Feb-19	143	81	9	235
APMP.L.28.2018	APMP	L	22-Oct-18	11-Dec-18	11-Dec-18	04-Jan-19	49	0	23	73
EURAMET.T.23.2018	EURAMET	T	22-Jan-18	23-Nov-18	03-Dec-18	27-Dec-18	304	10	23	338
APMP.T.15.2018	APMP	T	05-Oct-18	16-Nov-18	05-Dec-18	20-Dec-18	41	19	14	75
EURAMET.PR.15.2018	EURAMET	PR	18-Jul-18	06-Nov-18	12-Nov-18	14-Dec-18	110	6	31	148
APMP.L.27.2018	APMP	L	22-Sep-18	29-Oct-18	29-Oct-18	14-Nov-18	37	0	15	52
EURAMET.M.57.2018	EURAMET	M	25-May-18	16-Oct-18	23-Oct-18	09-Nov-18	144	7	16	167
AFRIMETS.T.6.2018	AFRIMETS	T	06-Jun-18	16-Oct-18	18-Oct-18	07-Nov-18	132	2	19	153
EURAMET.M.59.2018	EURAMET	M	21-Jun-18	28-Sep-18	09-Oct-18	15-Oct-18	98	10	5	115
AFRIMETS.AUV.6.2018	AFRIMETS	AUV	24-Jul-18	21-Sep-18	25-Sep-18	28-Sep-18	59	3	2	65
EURAMET.L.19.2018	EURAMET	L	24-May-18	12-Sep-18	14-Sep-18	18-Sep-18	110	1	3	116
SIM.TF.13.2018	SIM	TF	08-Jan-18	14-Aug-18	24-Aug-18	17-Sep-18	218	9	23	251
EURAMET.PR.14.2018	EURAMET	PR	18-Jul-18	16-Aug-18	03-Sep-18	12-Sep-18	29	17	8	55
AFRIMETS.M.6.2018	AFRIMETS	M	19-Apr-18	26-Aug-18	03-Sep-18	10-Sep-18	129	7	6	143
SIM.M.33.2016	SIM	M	08-Jul-16	23-Jul-18	31-Jul-18	29-Aug-18	745	7	28	781
EURAMET.AUV.19.2018	EURAMET	AUV	17-May-18	13-Jul-18	25-Jul-18	31-Jul-18	57	11	5	74
EURAMET.M.55.2017	EURAMET	M	07-Dec-17	09-Jul-18	10-Jul-18	17-Jul-18	213	0	6	221
AFRIMETS.T.5.2018	AFRIMETS	T	03-Apr-18	09-Jul-18	16-Jul-18	17-Jul-18	97	7	0	104
EURAMET.M.56.2018	EURAMET	M	09-Mar-18	18-Jun-18	03-Jul-18	16-Jul-18	100	15	12	128
COOMET.M.31.2018	COOMET	M	29-Mar-18	13-Jun-18	14-Jun-18	26-Jun-18	75	0	11	88
COOMET.M.30.2017	COOMET	M	05-Oct-17	26-Apr-18	08-May-18	05-Jun-18	203	12	27	242
SIM.M.37.2017	SIM	M	31-Mar-17	25-Apr-18	04-May-18	31-May-18	389	9	26	425
APMP.L.26.2017	APMP	L	04-Aug-17	10-Apr-18	10-Apr-18	18-May-18	248	0	37	286
AFRIMETS.AUV.5.2017	AFRIMETS	AUV	25-May-17	07-Mar-18	14-Mar-18	27-Apr-18	285	6	43	336
APMP.M.44.2017	APMP	M	24-Oct-17	09-Feb-18	27-Feb-18	24-Apr-18	107	18	55	181
COOMET.M.29.2017	COOMET	M	04-Oct-17	13-Feb-18	02-Mar-18	19-Apr-18	131	16	47	196
APMP.T.14.2018	APM	T	31-Jan-18	27-Feb-18	27-Feb-18	17-Apr-18	27	0	48	75

Metrology Area

AUV	3
EM	0
L	4
M	12
PR	2
T	5
TF	1

RMO Distribution

AFRIMETS	5
APMP	6
COOMET	3
EURAMET	10
SIM	3

Elapsed time,
classic review:
Median: 148 days
Mean: 190 days

Submitted CMC sets 39th–40th JCRB : 19 M (total 54) of which 13 published

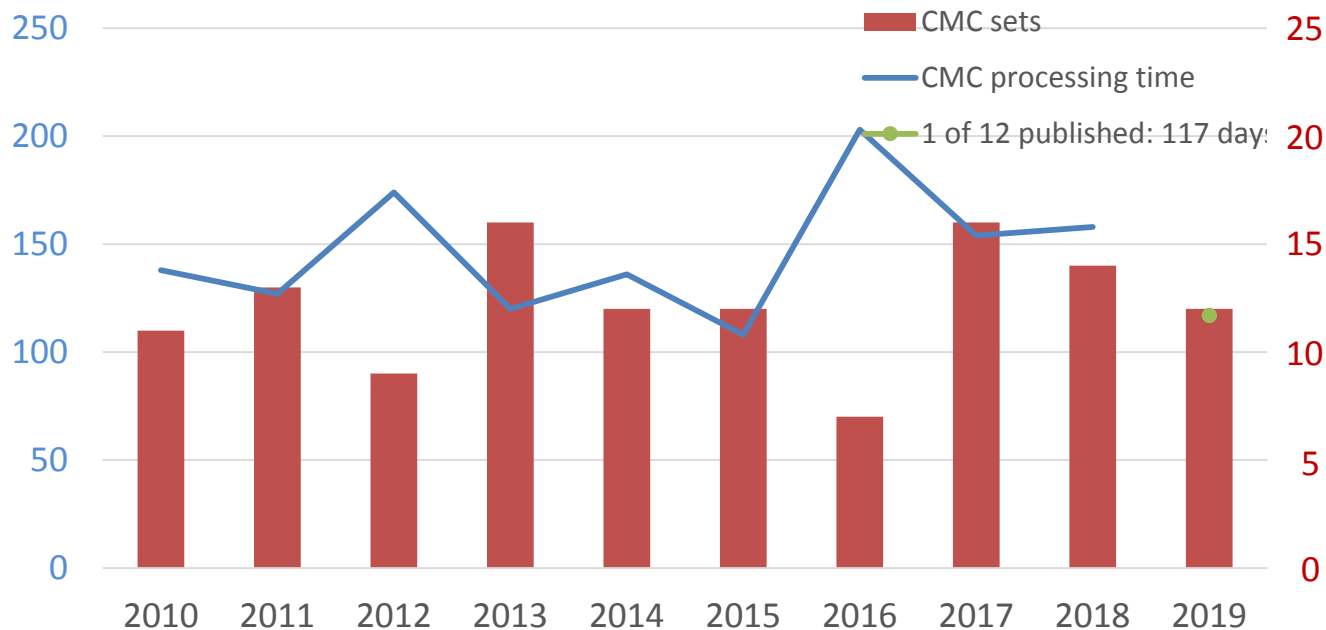
cmc_pk		cmc_long	Submitted	Approved	Published	Duration
AFRIMETS.M.6.2018	M	Mass CMC Submission NSI-Namibia	19-Apr-18	09-Sep-18	10-Sep-18	143
AFRIMETS.M.7.2019	M	Zimbabwe_mass_CMC	28-Jan-19	25-May-19		117
APMP.M.45.2018	M	NMIJ Fluid Flow	01-Oct-18	09-Apr-19		190
APMP.M.46.2018	M	NIM Fluid Flow	01-Oct-18			
APMP.M.47.2018	M	CMC for NIM, China, QMS confirmation included	21-Nov-18	08-Mar-19	12-Apr-19	107
COOMET.M.31.2018	M	CMC AzMI viscosity	29-Mar-18	27-Jun-18	26-Jun-18	90
COOMET.M.32.2018	M	CMC AzMI pressure	02-Jul-18	20-May-19		322
COOMET.M.33.2019	M	VNIIR CMC low-pressure air flowrate	28-Feb-19			
EURAMET.M.56.2018	M	Liquid Density_NPL	09-Mar-18	02-Jul-18	16-Jul-18	114
EURAMET.M.57.2018	M	EURAMET CMC 2018	25-May-18	30-Oct-18	09-Nov-18	158
EURAMET.M.58.2018	M	INRIM Pressure	13-Jun-18	14-Feb-19		246
EURAMET.M.59.2018	M	IPQ Pressure	21-Jun-18	12-Oct-18	15-Oct-18	113
EURAMET.M.60.2018	M	IMBIH Pressure	29-Jun-18	04-Dec-18	20-Feb-19	158
EURAMET.M.61.2018	M	PTB Hardness	28-Aug-18	21-Feb-19	08-Apr-19	177
EURAMET.M.62.2018	M	INRIM Mass	13-Sep-18	21-Feb-19	21-Mar-19	161
EURAMET.M.63.2019	M	VUGTK_Gravity, Czechia, QMS confirmation included	05-Feb-19			
SIM.M.39.2018	M	INACAL_Mass (CMC)	01-Nov-18			
SIM.M.40.2019	M	CMC (INTN_MASS) Paraguay mass standards, QMS	04-Feb-19			
SIM.M.41.2019	M	SIM, Volume of Liquids, CR, UY	14-Feb-19			

Currently 17 CMCs in progress

	Metrology area	RMO Originator	Status	Last update
APMP.M.41.2016	Mass and related quantities	APMP	Review still in progress	2016-06-28
APMP.M.42.2016	Mass and related quantities	APMP	Review still in progress	2016-06-28
APMP.M.46.2018	Mass and related quantities	APMP	Review still in progress	2018-11-15
APMP.M.48.2019	Mass and related quantities	APMP	Review still in progress	2019-05-14
COOMET.M.33.2019	Mass and related quantities	COOMET	Review still in progress	2019-03-27
EURAMET.M.63.2019	Mass and related quantities	EURAMET	Review still in progress	2019-02-18
EURAMET.M.64.2019	Mass and related quantities	EURAMET	Review still in progress	2019-04-02
EURAMET.M.65.2019	Mass and related quantities	EURAMET	Review still in progress	2019-04-29
EURAMET.M.66.2019	Mass and related quantities	EURAMET	Review still in progress	2019-05-01
SIM.M.30.2016	Mass and related quantities	SIM	Review still in progress	2016-04-12
SIM.M.36.2017	Mass and related quantities	SIM	Review still in progress	2017-05-12
SIM.M.38.2017	Mass and related quantities	SIM	Review still in progress	2017-05-10
SIM.M.39.2018	Mass and related quantities	SIM	Review still in progress	2018-11-23
SIM.M.40.2019	Mass and related quantities	SIM	Review still in progress	2019-02-19
SIM.M.41.2019	Mass and related quantities	SIM	Review still in progress	2019-02-24
SIM.M.42.2019	Mass and related quantities	SIM	Review still in progress	2019-05-02
SIM.M.43.2019	Mass and related quantities	SIM	Review still in progress	2019-05-02

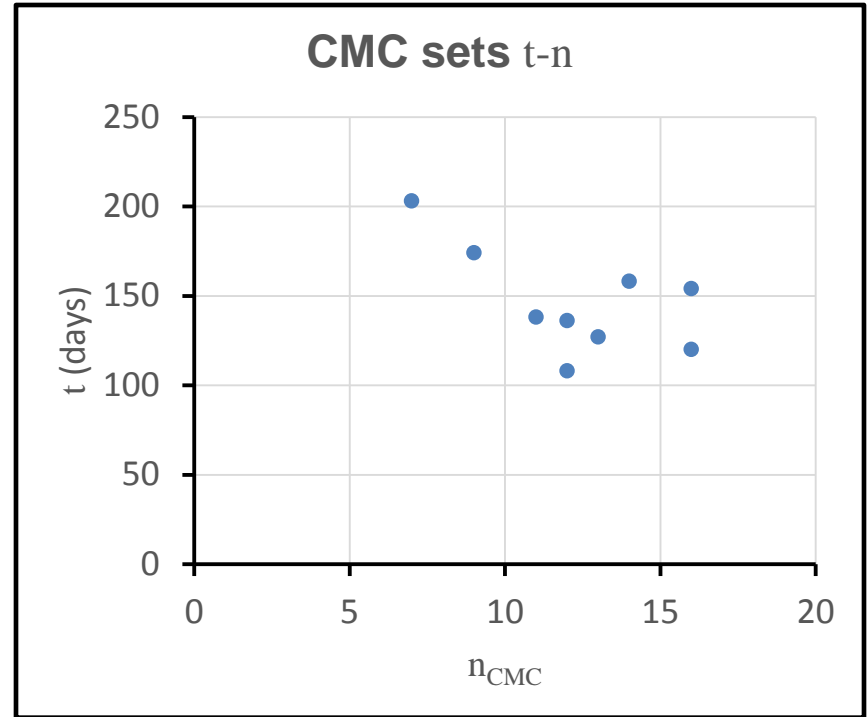
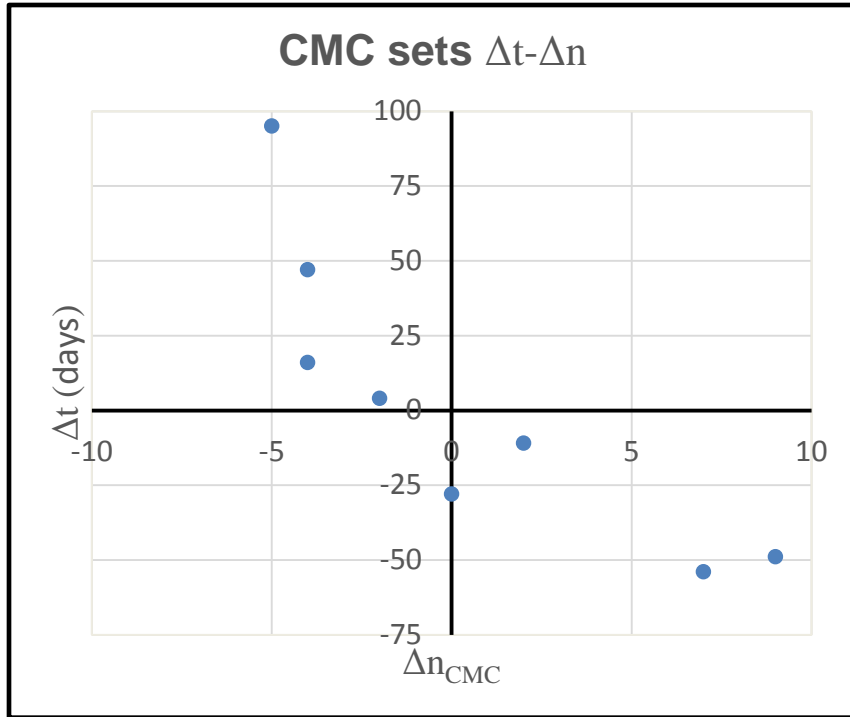
M performance over time

M – number of CMC sets and duration



- ◆ Submit dates
- ◆ Submit – approval
- ◆ M mean 190 days (190)
- ◆ M median 140 days (148)

Correlation between number of CMC sets and time



10: Responsibility and liability for measurements

Responsibility for all measurements made under this arrangement rests wholly with the institute making the measurements. No responsibility for declared uncertainties or statements of quality is assumed by the CIPM, the BIPM, the Consultative Committees or the RMOs.

10. Modification of existing CMCs

Modifications of a published CMC usually arise for reasons falling into one of three categories:

- a. material or editorial errors and improvements to the explanatory text for a quantity, instrument, method etc.;
- b. increase of the uncertainty or reduction in scope, decided by the NMI or following a comparison result;
- c. change of the method of measurement or reduction of the uncertainty or increase in scope.

Suggested course of action

- ◆ **CIPM MRA-D-04:** Internal and inter-RMO reviews are not needed
- ◆ NMIs concerned download and change originating file from
- ◆ <https://www.bipm.org/JCRBCMCs/CMCList.jsp>
 - User: tcguest
 - Password: tcontact
- ◆ Modify CMC according to CCM decision
- ◆ Submit updated country file to bipm.kcdb@bipm.org
cc: TC Chair, jcrb_es@bipm.org
- ◆ Please allow some lag as EM is also changing definitions

Thank you!

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