



Form for Regular Reporting of Regional Instrument Centres

(please expand the cells as required to properly reflect your activities)

Terms of Reference for Regional Instrument Centres (RICs) are available under:

<https://www.wmo.int/pages/prog/www/IMOP/instrument-reg-centres.html>

Regional instrument Centre - General Information	
Name of RIC	Toulouse, FRANCE, RA VI
RIC's website	/
Institute hosting RIC	METEO FRANCE
City	TOULOUSE
Country	FRANCE
Regional Association	RA VI

Contact Person for the Regional Instrument Centre	
Courtesy Title	Ms
First name	Françoise
Family name	MONTARIOL
Street and number	Bâtiment Emilie du Châtelet, 42 avenue Coriolis
Postal code	31057
City	Toulouse
State/Province	/
Country	FRANCE
Tel. number(s)	(+33) (0)5 61 07 91 50
Fax number(s)	
Email(s)	Francoise.montariol@meteo.fr
Has contact person changed since your last report?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
If yes, provide the previous contact person?	

RIC's staff

(Please specify the number of your managerial and technical staff)

- Managerial: 2
- Technical: 6

Interlaboratory Comparisons

Have you organized any interlaboratory comparison in the last calendar year?
(If yes, please specify the event(s) and final reports, including their web links, if available): **No**

Have you participated in any interlaboratory comparison in the last calendar year? (If yes, please specify the event(s) and the report(s), including their web links, if available): **No**

Applied International Standards/Norms

Is your RIC accredited according to ISO/IEC 17025?

Yes (please, specify the following):

Accreditation/certification body:

Date of the last audit:

Link to the Certificate of Accreditation:

No (please, indicate if you have already applied any quality management system, and provide a reason for a lack of accreditation, if possible)

- The laboratory used to be accredited for pressure, temperature and relative humidity calibration according to ISO 17025. Meteo-France voluntarily stopped the accreditation, for costs saving reasons. The laboratory has since kept on working abiding by the ISO 17025 standard.
- The laboratory, as part of Meteo-France, is accredited according to ISO 9001.

Assessment by a recognized authority other than accreditation body

Was your RIC assessed by a recognized authority other than an accreditation body? (e.g. certification body, NMI, another RIC)

Yes (please, specify the following):

Name of a recognized authority: Bertrand Blanquart

Date of the last assessment: november 2014

Standard against which the assessment was carried out: ISO 17025

No (please, explain why, if possible)

WMO/CIMO Evaluation Scheme (excel file)

Have you filled out the WMO/CIMO Evaluation Scheme (excel) and submitted it to the WMO Secretariat?

- Yes** (please, specify when you submitted the most recent one): 16/01/2018
 No (please, explain why, if possible)

Calibrations of the Members' Instruments

Which calibration services, were provided by your RIC for other Members/countries in the last calendar year? (Please specify) /

Year	Type of instruments	Number of calibrated instruments	WMO Member/Country

Capacity Development and Training Activities

Which capacity development/training activities have been carried out by your RIC within the Region in the last calendar year? (please specify events, WMO Members that participated and the number of participants)

- /

Has your RIC provided services on capacity development and training outside the Region in the last calendar year? (If yes, please specify to whom and when)

- /

Which guidance documents, standard procedures or other publications were developed and published by your RIC in the last calendar year? (Please, include full reference and web-link if available)

- /

Utilization of Resources and Capabilities of the Region

(Have you collaborated with other RICs, RRCs, RTCs, NMHSs or NMIs on standardization of meteorological and other related environmental measurements in the last calendar year? If yes, please specify when and how)

- As a member of the WMO Expert Team on Operational Metrology, Françoise Montariol from the RIC laboratory in Toulouse has been working on such subjects. (See work done and documents written by ET-OpMet.)

Recent Changes in Circumstance

Have there been any changes in your RIC's capabilities in the last calendar year? (If so, please specify)

- Calibration of standards. See Annex for update.

Have there been any significant changes in your RIC's infrastructure in the last calendar year? (If so, please specify)

- /

Have there been any changes in your staffing in the last calendar year? (If so, please specify)

- One laboratory expert changed position and left Météo-France in August. A new staff arrived in September and is being trained.

Future Plans and any other relevant information

(Please provide plans/projects of your RIC for this calendar year, and add any other information you find relevant about your RIC)

- Full renewal of the calibration databases (over 2019-2020)

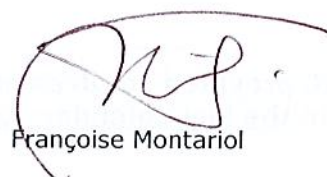
Are you in agreement with publishing this reporting form on WMO/CIMO website?

Yes

No

Date
18/02/2019

Name and Signature of Person in Charge of RIC



Françoise Montariol

ANNEX

(Following information will be a part of your RIC's website as published on the [WMO/CIMO website](#))

Specific information on Instrument Calibration Capabilities

Temperature:

Instrument Undergoing Calibration	Calibration Range	Reference Standard, Equipment	Calibration and Measurement Capability (CMC)*	Traceability of Reference Equipment	
				Last Standard Calibration Date	Calibration Body
Platinum Resistance Thermometers	From -25 °C to +50 °C	Primary standard SPRT 25Ω (ASL CTP5000-T25B), 2 liquid baths with equilization block (HETO KB23R and Isotech 915L), 2 resistance bridges (ASL F17A and MicroK800)	25 mK	02/2018 (SPRT 25Ω), 03/2018 (MicroK800 bridge), 06/2018 (ASL F17A bridge)	French National Laboratory LNE
Platinum Resistance Thermometers	From -20 °C to +40 °C	3 secondary SPRTs 100Ω (ASL CTP5000-850BU, CLAL TLH600 and Isotech 95L), 2 liquid baths with equilization block (HETO KB23R and Isotech 915L), 2 resistance bridges (ASL F17A and MicroK800)	34 mK	03/2018 (all 3 SPRTs 100Ω), 03/2018 (MicroK800 bridge), 06/2018 (ASL F17A bridge)	Laboratory of Meteo-France (for SPRTs 100Ω) and French National Laboratory LNE (for resistance bridges)

Status of accreditation (date of the latest accreditation): /

Link to the accreditation certificate: /

Accreditation body: /

Relative Humidity:

Instrument Undergoing Calibration	Calibration Range	Reference Standard, Equipment	Calibration and Measurement Capability (CMC)*	Traceability of Reference Equipment	
				Last Standard Calibration Date	Calibration Body
Relative humidity capacitance hygrometers	From 11%RH to 97%RH	3 relative humidity standard capacitance hygrometers (2 Vaisala HMT333, 1 Rotronic HC2-S), and humidity generators HMK13B with 5 different saturated salt solutions.	2.1 %RH	One in 03/2018 and two others in 08/2018	French National Laboratory CETIAT

Status of accreditation (date of the latest accreditation): /
 Link to the accreditation certificate: /
 Accreditation body: /

Atmospheric pressure:

Instrument Undergoing Calibration	Calibration Range	Reference Standard, Equipment	Calibration and Measurement Capability (CMC)*	Traceability of Reference Equipment	
				Last Standard Calibration Date	Calibration Body
Digital barometers	From 500hPa to 1060 hPa	Primary standard high quartz digital barometer (Fluke RPM4), 2 pressure generators (Mensor CPC8000)	7.0 Pa	10/2018	French National Laboratory LNE
Digital barometers	From 500hPa to 1060 hPa	3 secondary standard quartz digital barometers (Fluke RPM3, FGP), 2 pressure generators (Mensor CPC8000)	8.5 Pa	All 3 in 10/2018	Laboratory of Meteo-France

Status of accreditation (date of the latest accreditation): /
 Link to the accreditation certificate: /
 Accreditation body: /