WMO OMM

WEATHER CLIMATE WATER
TEMPS CLIMAT EAU

World Meteorological Organization
Organisation météorologique mondiale
Organización Meteorológica Mundial
Всемирная метеорологическая организация
المنظمة العالمية للأرصاد الجوية
世界气象组织

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Form for
Regular Reporting of Regional Instrument Centres

(pleaseexpand 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	**ALGER**
RIC's website	**www .meteo .dz**
Institute hosting RIC	**Office National de la Météorologie**
City	**ALGER**
Country	**ALGERIE**
Regional Association	**ARI (Regional Association I)**

Contact Person for the Regional Instrument Centre	
Courtesy Title	**Chargé d'étalonnage**
First name	**Kheireddine**
Family name	**AKLIL**
Street and number	**1, Av. Med Khemisti**
Postal code	**BP 153 16033**
City	**ALGER**
State/Province	**ALGERIE**
Country	**ALGERIE**
Tel. number(s)	**(+213) 21 50 69 10**
Fax number(s)	**(+213) 21 50 88 49 / (+213) 21 50 89 50**
Email(s)	**k .aklil@meteo.dz**
Has contact person changed since your last report?	XYes☐No

If yes, provide the previous contact person?	**Mr. NAILI Rabah**

RIC'sstaff

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

- **Managerial: 03**
- **Technical: 12**

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 yourRIC 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:

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

- **It is actually Certified ISO 9001-2008 , the ISO/IEC 17025 is planned for the end 2018**

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)

X**Yes** (please, specify the following):

Name of a recognized authority: Société Générale de Surveillance (SGS)

Date of the last assessment: 23/03/2018

Standard against which the assessment was carried out: ISO9001/2015

☐**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?

X Yes (please, specify when you submitted the most recent one):

MAY 2017

☐**No** (please, explain why, if possible)

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Calibrations of the Members' Instruments

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

Year	Type of instruments	Number of calibrated instruments	WMO Member/Country
No	No	No	No

Capacity Development and Training Activities

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

- **NO**

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

- **NO**

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)

- **Calibration procedures of instrument measurement of PTU (PQ.02.V.03.PS.03)**
- **Operating mode of uncertainties calculations**
- **Operating mode of installation and control of the barometers network**
- **Operating Mode Calibration / Verification of Pressure**
- **Operating Mode Calibration / Verification of Temperature**
- **Operating Mode Calibration / Verification of Humidity**

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 measurementsin the last calendar year? If yes, please specify when and how)

- **NO**

Recent Changes in Circumstance

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

- Yes
  - **Acquisition of a full atmospheric pressure calibration chain;**
  - **Acquisition of a full air temperature calibration chain;**
  - **Strengthening of the relative humidity calibration equipment;**
  - **Acquisition of the thermo-hygrometer sensors calibration software;**
  - **Acquisition of Sensors pressure calibration software (manometers and Transmitters);**
  - **Acquisition of fifty-five (55) digital barometers for which thirty-five (40) are already installed;**

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

- **Yes,**
  - **Creation of three (03) air conditioned laboratories for the calibration of the pressure, temperature and moisture. The environment work (T = +23 °C ±2°C) c and U = 50% ±2°%).**

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

- **Yes**
- **The staff has been strengthened by the recruitment of Engineers and senior technicians in maintenance**

Future Plans and any other relevant information

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

- **The main and strategic objectives for 2018:**
- **Accreditation of the laboratory of calibration according to the ISO 17025-2017 version;**
- **Renewal and automation of the observing network instruments;**
- **Ensure the compliance of the maintenance procedures according to the standards and regulations.**

Are you in agreement with publishing this reporting form on WMO/CIMO website?	
X Yes	☐ No

29 Mars 2018

Date

Messaoud cherief

Name and Signature of Person in Charge of RIC

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	-40 to 125 °C	Primaire standard SPRT 25 Ω (ASL CTP5000), bains de liquide avec bloc d'égalisation (Isotech 796L 470 mm et 8,5 L), ponts de résistance (CTP5000 et CTH7000)	15mK	September 2017	Laboratory AIRMETROLOGY DKD accreditation n°B12249
Platinum resistance thermometers	-40 to 125 °C	Primaire standard SPRT 100 Ω (ASL CTR3000), bains de liquide avec bloc d'égalisation (Isotech 796L 470 mm et 8,5 L), ponts de résistance (CTR3000 et CTH7000)	15mK	September 2017	Laboratory AIRMETROLOGY DKD accreditation n°B12249
Alcool/Mercury thermometer	-20°C à +60°C	precision thermometry	0.2°C	March 2018	Laboratory AIRMETROLOGY DKD accreditation

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
Capacitive hygrometer	10 to 90 %RH	Hygropalm	2.0%	17 January 2017	Laboratory AIRMETROLOGY SCS
Display hygrometer		Hygrogen generator			
Hygrograph		Climatic chamber			

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
Electric/Digital barometers	500 to 1100 hPa (absolute pressure)	Barometer CPC6000 IS50; Nitrogen Generator CPC600	(0.005mbar+2x10-5 P)	September 2016	MENSOR ZL accreditation N°127733
Digital barometers	500 to 1100 hPa	Barometer reference P501	(0.03mbar+2x10-5 P)	January 2017	MENSOR ZL accreditation

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

Wind:

Instrument Undergoing Calibration	Calibration Range	Reference Standard, Equipment	Calibration and Measurement Capability (CMC)*	Traceability of Reference Equipment	
				Last Standard Calibration Date	Calibration Body

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

Precipitation:

Instrument Undergoing Calibration	Calibration Range	Reference Standard, Equipment	Calibration and Measurement Capability (CMC)*	Traceability of Reference Equipment	
				Last Standard Calibration Date	Calibration Dody

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

Other (please specify if applicable):

Instrument Undergoing Calibration	Calibration Range	Reference Standard, Equipment	Calibration and Measurement Capability (CMC)*	Traceability of Reference Equipment	
				Last Standard Calibration Date	Calibration Body
Pyranometer pyrheliometer	< 5%	AHF pyrheliometer N°29225 Installed in Tamanrasset	0.2 % à 0.3 %	Septembre 2010 Reference Calibration every five (05) years in Davos	Comparaison with the global reference Davos

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

* A **CMC (calibration and measurement capability)** is the smallest uncertainty (k=2) of measurement that can be expected to be achieved by the RIC during a calibration under normal conditions. This CMC is evaluated by the RIC itself and described in the scope of accreditation of the RIC, if available.