

## CCT member and observer Activity Report

**Period:** January to December 2021

**Institute:** National Measurement and Calibration Centre, Saudi Standards, Metrology and Quality Organization (SASO-NMCC)

**State economy:** Saudi Arabia

### Number of persons involved in thermometry of the institute:

1. Mr. Nasser Alqahtani
2. Mr. Nasser AlDawood
3. Mr. Ibrahim Alsubaie
4. Mr. Rakan AlNefaie
5. Mr. Sultan Alotaibi
6. Ms. Arwa Alrushud

### Short summary of research and development:

A new capability: Triple Point of Argon system

### Short summary of recent comparison activity:

#### Ongoing comparison

- EURAMET.T-K7-4 (Final report)
- GULFMET.T-K9 (Draft A)
- GULFMET.T-S1 (Draft A.2)
- GULFMET.T-S2 (Draft B)
- GULFMET.T-S3 (Measurement Finished)

#### Proposed Comparison (2022)

- Calibration of a Noble Metal Thermocouple, Range: (0 to 1000) °C
- Comparison of IR Ear Thermometer calibration facilities, Range: (35 to 42) °C

**Short summary of other activities:**

- Thermometry measurements department has accredited for 14 calibration services according ISO 17025:2017 via Saudi Accreditation Centre (SAC).
- Participated CCT meetings (2021)
- Participated GULFMET TCT meetings
- Participated APMP TCT meeting

**Link to bibliography or list of bibliography (last 5 years):**

[Bilateral Comparison of Radiation Temperature Measurements from – 20 to 1600 °C Between TUBITAK-UME (Turkey) and SASO-NMCC (Kingdom of Saudi Arabia)].

<https://link.springer.com/article/10.1007/s12647-021-00514-5>