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)].