Thermodynamic temperature measurements

RECOMMENDATION 5 (CI-1993)

The Comité International des Poids et Mesures, considering
— the importance of accurate measurements of thermodynamic temperature, as emphasized in Recommendation T 1 (1987),
— the inconsistencies which still exist in determinations of thermodynamic temperature, especially in the regions near 150 K, 700 K and at higher temperatures,
— the desirability of extending the range of the International Temperature Scale of 1990 (ITS-90) below its present lower limit of 0.65 K,
— the importance of the national laboratories and the Bureau International des Poids et Mesures having a capability for thermodynamic temperature measurements using a variety of techniques,

recommends that national laboratories pursue fundamental research in thermometry, and in particular the measurement of thermodynamic temperature in the ranges referred to above.