

**RECOMMENDATION 1 (CI-2003):**  
**Revision of the *Mise en Pratique* list of recommended radiations**

The International Committee for Weights and Measures,

**considering** that

- improved frequency values for radiations of some high-stability cold ion standards already documented in the recommended radiations list have recently become available;
- improved frequency values for the infra-red gas-cell-based optical frequency standard in the optical telecommunications region, already documented in the recommended radiations list, have been determined;
- femtosecond comb-based frequency measurements for certain iodine gas-cell standards on the subsidiary recommended source list have recently been made for the first time, leading to significantly reduced uncertainty;

**proposes** that the *recommended radiation* list be revised to include the following:

- updated frequency values for the single trapped  $^{88}\text{Sr}^+$  ion quadrupole transition and the single trapped  $^{171}\text{Yb}^+$  octupole transition;
- an updated frequency value for the  $\text{C}_2\text{H}_2$ -stabilized standard at  $1.54\ \mu\text{m}$ ;
- updated frequency values for the  $\text{I}_2$ -stabilized standards at 543 nm and 515 nm.