

REMIT OF THE CCRI(II) TRANSFER INSTRUMENT WORKING GROUP**March 2009**

The SIR transfer instrument consists of a travelling well-type NaI(Tl) crystal calibrated against the SIR for each relevant radionuclide. This system allows NMIs far away from the BIPM to participate indirectly in the SIR for short-lived radionuclides and consequently to have degrees of equivalence for those radionuclides that are important for medical applications.

Defined Outcome:

- Support to the BIPM in developing the SIR transfer instrument for short-lived radionuclides.
- Guidance in evaluating the best experimental setup and the most appropriate method of data analysis.
- Providing advice in defining the comparison protocol.

Membership: C. Michotte (Coordinator; BIPM)
P. Allisy-Roberts (BIPM)
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Work Schedule: The Transfer Instrument Working Group (TIWG) meets occasionally when support or guidance to the BIPM is needed. Correspondence by e-mail supplements these meetings. The TIWG first concentrated on the measurement of $^{99}\text{Tc}^m$ and will subsequently consider the extension to ^{18}F and other short-lived radionuclides, including β^+ emitters.

The TIWG reports to the CCRI(II) after each convened meeting of the working group and in advance of CCRI(II) meetings.

Conclusion of the WG: The work of the TIWG will conclude when the transfer instrument has run successfully for $^{99}\text{Tc}^m$ and ^{18}F . Issues related to the degrees of equivalence will be discussed by the Key Comparison WG as for any other comparison.

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TIWG Coordinator
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