

## Publication of activity comparison results in the KCDB Appendix B

Current status as at 07 April 2005  
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### Appendix B activity comparisons

There are 90 key comparisons listed in the KCDB and 10 supplementary comparisons.

Fifty-nine of the key comparisons are BIPM (SIR) ongoing key comparisons and twenty-two are CCRI(II) key comparisons of which sixteen may be linked to the SIR (10 are already published). Two of the CCRI(II) key comparisons are to replace earlier comparisons. There are nine RMO key comparisons (APMP and EUROMET) of which six are already linked to the SIR.

Of the ten supplementary comparisons, five are planned or are in progress, two are undergoing analysis and three have been published.

### Progress on publication of the key comparison results in Appendix B

Publication of the SIR results in a report format for open publication, as a progression from the SIR Registration Tables that are now taken as Draft A reports, was started at the end of August 2002, following the KCWG proposal for the KCRV values. The process, taking the radionuclides in alphabetical order, has been to produce a Draft B report and to send that to the participants for comment. Once comments and agreement in principle has been received by each participant, the Draft B is amended according to the comments and circulated to the CCRI(II) for final approval, by default. Once the deadline for final approval has passed, assuming there are no objections, the Draft B is made into the Final Report and sent to the KCDB for publication. The results are published within a short time scale and the Final Report is available to download with the results. The related *Metrologia Technical Supplement* is usually published shortly afterwards.

As the analysis of new SIR submissions is completed, Draft A reports are sent to the participants after which the procedure described above is followed. There are currently eight results that are ready to be processed for publication and 32 submissions are pending their arrival, measurement or analysis, for 24 different radionuclides.

The table below summarizes the current situation.

### KCDB key comparison results

Comparison Type	Total number	Comparisons in progress	KCDB results in circulation (Draft A or B)	KCDB results published
BIPM.RI(II)-K1	59	59*	3 updates	56 <sup>+</sup>
CCRI(II)-K2, K3	22	1	11	10
RMO.RI(II)-K2	9	2	1	6
Total key comparisons	90	62	12 <sup>++</sup>	72 <sup>+</sup>

\* ongoing comparisons (only <sup>56</sup>Mn, <sup>228</sup>Th and <sup>125</sup>I not yet published)

<sup>+</sup> plus six update reports

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As by April 2003 twenty one sets of results had been published, the total of 72 plus six updates equates to 57 sets of results published in the last two years. An update on progress will be presented at the CCRI(II) meeting in May 2005.