

Update report on the phasing out of old data from the KCDB

There are currently 457 results of activity measurements for 60 different radionuclides dating back to 1975 displayed in the KCDB. Although the original CIPM-MRA proposal was not to have results older than 10 years in the KCDB, the long term stability of radionuclide activity measurements has been well demonstrated in the NMIs and at the BIPM. Consequently, at the CCRI(II) in 2003, it was agreed to extend the time-frame for displaying results in the KCDB from 10 years to 20 years. Proposals for a gradual phasing to achieve the 20 year target were agreed by the CCRI(II) as follows:

- *at the end of 2003, when the transitional period of the MRA ends, the notation "approved for provisional equivalence" no longer applies. All the SIR results in the KCDB that are more than 20 years old (pre-1983) and currently indicated in red, will be re-coloured black but will remain in the KCDB. Similarly for CCRI(II) and RMO comparisons that are currently coloured in blue and green;*

There are currently 109 results (24 % of the total) for 38 radionuclides that fall into this category and have been re-coloured as black squares.

- *at the end of 2005, pre-1985 results will be re-coloured in black;*

There will be another 25 results that will be coloured black at the end of 2005 in twelve radionuclide comparisons: Ba-133, Ce-139, Ce-144, Co-57, Co-60, Fe-59, Hg-203, I-123, Ir-192, Na-22, Tc-99m and Yb-169 but all 134 results (29 % of the total) will still be visible.

- *at the end of 2007, pre-1987 results will be re-coloured in black and pre-1977 results (i.e. more than 30 years old) will no longer be visible in the degrees of equivalence;*

At the end of 2007, 24 results will be removed from the KCDB for 13 radionuclides and another 23 results will be coloured black. However, there are currently 41 SIR submissions proposed for 24 radionuclides with publication in 2005 as well as a number of CCRI(II) comparisons. Consequently the total number of results in the KCDB will increase from the present value.

- *at the end of 2009, pre-1989 results will be re-coloured in black and pre-1984 results (i.e. more than 25 years old) will no longer be visible in the degrees of equivalence;*

At the end of 2009, the two CCRI(II) comparisons for Ba-133 and Cs-134 will no longer be valid, in addition to 80 other individual results for 38 radionuclides. However, the programme of both CCRI(II) and BIPM comparisons will doubtless make up for these losses.

- *at the end of 2011, pre-1991 results will no longer be visible in the degrees of equivalence;*

At the end of 2011, the principal losses will be the earlier Cd-109 and I-125 CCRI(II)-K2 comparisons. However a Draft A comparison report is currently being written for the recent I-125 comparison so the earlier results will be largely replaced in the near future and a new comparison is proposed to replace the Cd-109 results.

- *all the earlier results will remain in the original published reports and may still be used in the KCRV if relevant.*

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