Ballot resolution for SC 22 N3210
C Locale for Registration with ISO/IEC 15897

Netherlands

NEN (the Dutch NB) supports the registration of N3210 as the C locale with the following comments:

1. differences between the (text of) the POSIX locale and the C locale may cause confusion, and should therefore be eliminated. As the POSIX locale is part of ISO 9945, and hence cannot easily be changed, it is recommended to make the C locale identical to the POSIX locale as follows:
> in Clause 3, replace the specification for FULL STOP from '<.>' to '"."'

Response: Agreed (editorial).

 2. in the C Standard Locale, replace the Charset from 'ISO_646.IRV:1991' to 'ISO646:1993'.

Response: Not accepted.
> Charmaps referenced need to be registered also. 'ISO_646.IRV:1991' is a registered charmap with ISO/IEC 15897, while there is no registration named 'ISO646:1993'.

3. once the POSIX locale is removed from the ISO 9945 standard, WG15 and WG14 are recommended to revise the registered POSIX and C locales, in order to align the specifications with the ISO 8601 standard for date formats (i.e., replace the mm/dd/yy format by the yyyy/mm/dd format).

Response: Not accepted.
> The format mm/dd/yy is prescribed normatively for the standard C locale in the ISO/IEC 9899:1999 standard clause 7.23.3.5 item 7.

Sweden - 'O' Member

1. The date format should be according to ISO 8601:2001 (with full year representation). This allows for easy collation in datetime order of the formatted results.

Response: Not accepted.
> The format mm/dd/yy is prescribed normatively for the standard C locale in the ISO/IEC 9899:1999 standard clause 7.23.3.5 item 7.

2. The collation table format should be according to ISO/IEC 14651:2001. In particular three levels are required (even if not really used, as in this case), e.g.
<a>   <a>;<BASE>;<MIN>
(note that <a>;IGNORE;IGNORE would NOT conform to 14651).

Response: Not accepted.
> The registration standard prescribes that the locale format is conformant to ISO/IEC 9945:1993 POSIX-2 Shell and utilities, not ISO/IEC 14651:2001. Furthermore, the actual data reflects what is in the POSIX standard locale, with which the C standard locale tries to minimize differences as much as possible, and it reflects current practice for the C locale.

3. The collation weight UNDEFINED should be explicitly weighted.

Response: Not accepted.
      Since all of the characters in the coded character set are explicitly included in the collating sequence, there are no UNDEFINED characters and thus it is not necessary to weight UNDEFINED.