

WG 14, N2776

'ckd_*' should be potentially reserved identifiers

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Document [n2683, "Towards Integer Safety"](#) provided a Core Proposal and a Supplemental Proposal, and the core proposal was accepted by the committee to be adopted into the forthcoming C standard, at the June 2021 WG14 meeting. The Supplemental proposal was not voted on, but received comments, and a future version might be adopted into the standard at a later date.

The core proposal added the following text to chapter 7 in the "Future Library Directions" section:

7.32.18 Checked Arithmetic Functions <stdckdint.h>

Type and function names that begin with `ckd_` may be added to the declarations in the `<stdckdint.h>` header.

This was the correct verbiage when the `ckd_` identifiers were first proposed. However, since then, WG14 document [N2625, "What we think we reserve"](#) has added the term "potentially reserved identifier" to the C standard. At the June 2021 meeting, a straw poll was taken on the following question:

Does the committee want the "`ckd_`" identifiers from N2683's Core proposal in future library directions to be potentially reserved identifiers?

The committee unanimously voted yes.

Therefore, we propose that the text be amended thusly: (new text is in green)

7.32.18 Checked Arithmetic Functions <stdckdint.h>

Type and function names that begin with `ckd_` **are potentially reserved identifiers and** may be added to the declarations in the `<stdckdint.h>` header.