Problem 1: The term “operations” is potentially misleading. The standard uses “operations” as a more general term than “operators”, for example, in “Operations on files”. One might wonder if library functions like sqrt() could be affected by wide evaluation. But only operators are subject to the usual arithmetic conversions, so “operators” could replace “operations” in the text to clarify the matter, without substantive change.

Recommended change:

5.2.4.2.2 [8]: change “operations” to “operators”.

Problem 2: The new text in 5.2.4.2.2 and footnote 142 now implies that function returns are widened by widening expression evaluation methods. This specification is not tenable from an ABI perspective because it would introduce inconsistencies between the format expected by the callers and the format returned by the callee, depending on the evaluation method used for their translation. The following recommended changes revert to the
original intention, namely that function returns, like assignments and casts, are not affected by wide expression evaluation methods.

Recommended changes:

5.2.4.2.2 [8]: change “Except for assignment and cast” to “Except for assignment, cast, and return”.

6.8.6.4 #3: change the second sentence to “If the expression is evaluated to a format different from the return type of the function in which it appears …”

Footnote 142: remove the last two sentences (thereby reverting to the C99 text).