In the current C23 draft (N2596), footnotes in the descriptions for
feraiseexcept and fesetexcept refer to floating-point traps. Floating-point
traps were optional features in the initial version of IEC 60559 and are still
supported in some floating-point hardware, but traps are not specified in more
recent versions of IEC 60559. And the footnotes do not mention alternate exception
handling which is specified in current IEC 60559. Since neither floating-point traps
nor IEC 60559 alternate exception handling are supported in standard C, they can
be regarded as implementation extensions. The following suggested changes are
intended to clarify the nature of such extensions.

Suggested changes:

Suggested change in footnote to 7.6.4.3 #2 (feraiseexcept):

232)The effect is intended to be similar to that of floating-point exceptions
raised by arithmetic operations. Hence, enabled traps for floating-point
exceptions raised by this function are taken implementation extensions
associated with raising a floating-point exception (for example, enabled traps
or IEC 60559 alternate exception handling) should be honored. The
specification in F.8.6 is in the same spirit.

Suggested change in footnote to 7.6.4.4 #2 (fesetexcept):

233)Enabled Implementation extensions like traps for floating-point
exceptions and IEC 60559 exception handling are not taken do not occur.

Suggested change in 7.6.4.5 #2 (fesetexceptflag):

Like fesetexcept, this function does not raise floating-point exceptions,
but only sets the state of the flags.