

Slay Some Earthly Demons XII (Updates n3411)

Document: n3477 Author: Martin Uecker Date: 2025-02-15

Changes: Require a new line-character (see SC22WG14.27500, ...)

Undefined Behavior: Source file does not end in new line. (J.2 (2), N3301)

Analysis: It is accepted by most compilers. C itself leaves it implementation defined whether a text file has to end in a new-line character (7.23.2). POSIX defines text files to consist of lines, where a line has a terminating new-line character.

Recommendation: For portability and to avoid further issues with partial comments, require a new-line character.

Wording

5.2.1.2 Translation phases

2. Each instance of a backslash character (`\`) immediately followed by a new-line character is deleted, splicing physical source lines to form logical source lines. Only the last backslash on any physical source line shall be eligible for being part of such a splice. ~~A source file that is not empty shall end in a new-line character, which shall not be immediately preceded by a backslash character before any such splicing takes place~~

6.4.10 General

Constraints

1 A source file that is not empty shall end in a new-line character, which shall not be immediately preceded by a backslash character before splicing takes place as described in 5.2.1.2.

Acknowledgments: I thank the UB Study group, Jens Gustedt and Alejandro Colomar for comments.