

IEEE Standards Interpretation for IEEE Std 1003.1™-2001 IEEE Standard Standard for Information Technology -- Portable Operating System Interface (POSIX®)

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Interpretation Request #66

Topic: sem_open errors **Relevant Sections:** XSH sem_open Page: 1273 Line: 39910

The function sem_open is required to return -1 and set errno to ENOSPC when “there is insufficient space for...”. It is unclear whether insufficient memory problem should belong to this case, or if returning an error of ENOMEM is allowed.

Be more specific in the ENOSPC error description. For example, change the line 39910 to: [ENOSPC] There is insufficient space on a storage device for the creation of the new named semaphore. And then add a new line below: [ENOMEM] There is insufficient memory for the creation of the new named semaphore.

Interpretation Response #66

The standard does not speak to this issue, and as such no conformance distinction can be made between alternative implementations based on this. This is being referred to the sponsor.

Rationale for Interpretation

None.