

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

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Interpretation Request #13

Topic: Defect in XSH getaddrinfo **Relevant Sections:** EAI_OVERFLOW

EAI_OVERFLOW is specified as a possible error value for the getaddrinfo() function on lines 13994-13995: 13994 [EAI_OVERFLOW] 13995 An argument buffer overflowed. The EAI_OVERFLOW error code was created to provide a meaningful error code for the getnameinfo() function, for the case where the buffers provided by the caller were too small. The EAI_OVERFLOW error code is not applicable to getaddrinfo(), which has no buffer arguments to overflow. EAI_OVERFLOW was mistakenly added to the getaddrinfo() page rather than the getnameinfo() page. Another aardvark has already been approved for TC1 to add EAI_OVERFLOW to getnameinfo(). Delete lines 13994-13995.

Interpretation Response

The standard states that EAI_OVERFLOW is a possible error and conforming implementations must conform to this. However, concerns have been raised about this which are being referred to the sponsor.

Rationale for Interpretation

None.