# IEEE Standards Interpretations for IEEE Std 1003.1c™-1995 IEEE Standard for Information Technology--Portable Operating System Interface (POSIX(R)) - System Application Program Interface (API) Amendment 2: Threads Extension (C Language)

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## Interpretation Request #7

**Topic:** PTHREAD_INHERIT_SCHED **Relevant Clauses:** 13.5.1.1

Right now all I have to work from are the draft 8 document, plus the draft 9 and 10 change documents, but draft 10 was approved as the final specification. My question concerns 13.5.1.1 in draft 8 (lines 302-306) This text was not modified by drafts 9 or 10. When a thread is created with a value of PTHREAD_INHERIT_SCHED for the inheritsched attribute, is the scheduling contention scope one of the attributes that is inherited? Or should the new thread get the implementation-defined default scheduling contention scope?

## Interpretation Response

The standard is clear: contentionscope is one of the attributes controlled by inheritsched. IEEE Std 1003.1c-1995, page 296, line 397 states: "The contentionscope attribute defines the scheduling ...." and on line 401 the standard uses this fact ".....set according to the other scheduling attributes in pthread_attr_t object."

## Rationale for Interpretation

None.