

POSIX Liaison Report, February 2008

Nick Stoughton

ISO/IEC 9945

The Austin Group are in the process of revising IS 9945 (POSIX). The FCD ballot has completed, and there will be a ballot resolution meeting March 4-6 in San Francisco. Because of the overlapped/concurrent balloting process used by the Austin Group, which also includes balloting within the IEEE and Open Group processes, it is anticipated that the final issues can be resolved quickly and the DIS ballot commenced around April 2008.

Members of the Austin Group Core team reviewed WG21 N2497, Multi-threading Library for Standard C++, and wish to congratulate the Library Working Group on resolving the majority of serious issues that were present in earlier versions of this paper. There remain a few minor issues, most of which are already captured in N2508 and other related papers. The liaison officer has been requested to bring these remaining minor issues up with the library working group during the Bellevue meeting.

IEEE 1003.27

On 5 Dec 2007 the IEEE-SA Standards Board approved the "POSIX-C++ Binding" project until 31 Dec 2011. The Working Group had its inaugural meeting February 24 in Bellevue, WA. Minutes are available at <http://wiki.dinkumware.com/twiki/bin/view/Wg21bellevue/POSIX-C++BindingWorkingGroup>

The Working Group had a number of recommendations for the Library Working Group, all of which were unanimous.

Motion: Strongly urge the WG21 library working group to remove `timed_mutex` and `recursive_timed_mutex` (see also WG21 paper N2528)

Motion: Appoint Nick Stoughton as the liaison to WG21. (Note that there is a wide overlap in membership between this WG and WG21, and there will be a broad liaison with Nick as the official spokesperson).

Motion: We consider the arguments brought forward in N2526 as compelling and we strongly urge the WG21 library working group to re-consider clause 31 (datetime) of the C++ working draft, using section 5, suggestion 1 of the aforementioned paper as a basis, with Paul McKenney to provide a specific draft.

Motion: We strongly urge the WG21 library working group to remove the requirement of Coordinated Universal Time in the specification of the `system_time` class.

Motion: We strongly urge the WG21 library working group to remove section 19.4 [syserr] from the C++ working draft and replace existing usage of `system_error` by `runtime_error` in specifications. The POSIX-C++ group reserves the right to implement an error handling specifically related to POSIX errors and based on POSIX locales in the future. We suggest to reconsider the issue for TR2.

Motion: We ask the WG21 committee to reserve the `::posix` and `::std::posix` namespaces. The POSIX-C++ binding working group would like to use the namespaces for future standardization.