

**Jim Moore**

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Programming languages, their environments and system software interfaces  
Secretariat: U.S.A. (ANSI)

ISO/IEC JTC 1/SC22 N 3886

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Meeting Report of the 31 March 2005 SC 22 Ad Hoc on Future Directions for SC 22

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Report on the Meeting of the SC22 Ad Hoc Committee on Future Directions for SC22.

Philadelphia PA. USA

5/17/2005

March 31st 2005.

Mr. Moore presented a report (N3861) on the work of the subcommittee on High Integrity Systems.

The sub committee makes two recommendations:

1. That SC 22 should create a distinct study group "Programming Language Support for High Integrity Applications"

This group should develop an NP to initiate work on these topics, using an incremental approach to standards development. That is to start with a TR3, follow it with a TR2 and eventually a standard.

The study group will prepare an NP and submit it for ballot. Ballot resolution would be performed at the plenary meeting.

2. Further study should be undertaken as to the desirability of work on Meta-language constructs and other language independent means of improving software quality. In particular the study group should be continued at the plenary so that it can continue to investigate the idea of meta-language constructs.

Kurokawa-san presented the Japanese contribution (N3857) on standards education. An eventual goal is to create educational programs leading to the creation of professional standardizers. An interim measure would create a virtual Institute for Standards education.

The Ad Hoc on future directions for SC22 supports Japan's proposal to organize a workshop on the creation of Educational materials for standardizers at the earliest possible date.

The Ad Hoc will present a resolution to SC22 to ask for JTC1's support for further work on standards education stated by the Japanese workshop.

The Ad Hoc on future directions for SC22 recommends that the JTC 1 standards should be provided at no or nominal cost to students and teachers for educational purposes.

Mr. Hill presented the UK contribution (N3862) to the meeting. Several of the ideas can be subsumed under the general heading "Guide lines for Applications development". There is some overlap with SC7 and ISO/IEC 9126-1 in this area. It was decided that the Ad Hoc would recommend to SC22 the ireactivation of the liaison with SC7 with a view to the creation of a JWG with SC 7 reporting to SC22. This JWG would be charged to produce an NP on "Guide lines for Applications development".

Finally the Ad Hoc discussed the Final Report of the ISO Advisory Group on Security. The Ad Hoc charged the chair of SC22 to write to JTC1 on behalf of SC22 addressing the following points.

1. The final report does not seem to address the full breadth of JTC1's involvement in security
2. JTC1 should directly involve itself in the preparation of the proposed security guide.
3. SC22 is already involved in Security and Vulnerability issues. For example the projects initiated by Mr. Moore's sub committee.
4. Because SC27's scope specifically excludes mechanisms it overlooks the role that SC22 can provide through language support.
5. JTC1's report on security should note SC22's forward looking actions in this area.

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