BUSINESS PLAN FOR JTC 1/SC22 WG11

PERIOD COVERED: August 2004 - July 2005

SUBMITTED BY:

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1. MANAGEMENT SUMMARY:

1.1 JTC 1/SC22 WG11 Statement of Scope

Development of ISO/IEC Standards and Technical Reports related to Binding Techniques and (Programming) Language Independent Issues.

1.2 Project Report

1.2.1 Completed Projects

JTC1.22.14 -- TR 10182:1994 - Language Bindings Guidelines

JTC1.22.17 -- ISO/IEC 11404:1996 - Language Independent Datatypes

JTC1.22.16 -- ISO/IEC 13886:1996 - Language Independent Procedure Calling

JTC1.22.28 -- ISO/IEC 10967-1:1994 - Language Independent Arithmetic, Part 1: Integer and Floating Point Arithmetic

JTC1.22.33 -- ISO/IEC 10967-2:2001 - Language Independent Arithmetic, Part 2: Elementary Numerical Functions

JTC1.22.46 -- TR 14369:1999 - Guidelines for the Preparation of Language Independent Service Specifications

1.2.2 Projects Underway

JTC1.22.33 -- FDIS 10967-3 - Language Independent Arithmetic, Part 3: Complex Floating Point Arithmetic and Complex Elementary Numerical Functions
The FCD 10967-3 ballot closed with two No votes (see SC22 N3825); during the WG11 meeting in April 2005, the ballot comments were discussed and one No vote (from Japan) was changed to Yes.
The FDIS 10967-3 document will be submitted for ballot shortly.
The revision of IEC 60559 (also known as IEEE 754, the floating-point standard) is closely followed to see whether this revision has consequences for the LIA documents.

With the completion of the set of LIA documents, WG11 proposes to make all parts of ISO/IEC 10967 freely available.

JTC1.22.17 -- ISO/IEC 11404:200x - General Purpose Datatypes
ISO/IEC 11404 is under revison; the FCD ballot closed on 2005-05-24 (with one No vote), the tables of replies are in SC22/N3904. During a telecon on 2005-06-21 the major ballot comments were discussed with the aim to provide the project editor with direction for his ballot resolution proposal. The ballot resolution meeting will be held during a WG11 meeting in New York on October 5-6, 2005.

1.3 Cooperation and Competition

The WG11 documents are mainly produced to be used by other programming language committees. Therefore, WG11 maintains liaisons with many of the SC22 WGs.

In order to improve the usability of the WG11 documents, especially outside JTC1, it is beneficial to make these documents freely available.

The WG11 Technical Reports 10182 and 14369, as well as ISO/IEC 11404:1996 and ISO/IEC 13886:1996 are freely available (via ITTF and via the WG11 website).

2. PERIOD REVIEW

2.1 Market Requirements

There are no clearly defined market requirements for the WG11 projects; however several ISO/IEC standards make reference to the documents. There is thus apparently an indirect market requirement.

2.2 Achievements

Despite the sometimes small participation in WG11, a number of high quality ISO standards have been produced.

2.3 Resources

WG11 resources have been a problem for the past years, and continue to be so. Attendance is very low, and project editors are difficult to find.

3. FOCUS NEXT WORK PERIOD

3.1 Deliverables

The 10967-3 and the 11404 documents should be progressed. Furthermore, the final harmonization of the LIA documents should be prepared.

3.2 Strategies

3.2.1 Risks

Participation is a clear risk for the progression of the WG11 work.

The SC22 Member Bodies are invited to provide resources so that WG11 at least can finalize its current work items.

3.2.2 Opportunities

No further opportunities have been identified.

3.2.3 Work Program Priorities

The progression of LIA-3 and the revision of LID to become GPD have the highest priority.

4. ADMINISTRATIVE INFORMATION

4.1 WG11 Liaisons

Liaisons exist with the following SC22 WGs: WG3 – APL, WG4 – COBOL, WG9 – Ada and WG14 – C.

Mr. Frank Farance is acting liaison between SC32/WG2 and WG11 on issues related to the revision of ISO/IEC 11404.

5. SC22 PLENARY ACTIONS RELATED TO WG11

The LIA series of documents (ISO/IEC 10967) are considered to be base documents (or frame-work documents) for standards writers; therefore, WG11 proposes that all parts of ISO/IEC 10967 be made Freely Available from the ITTF website.