

BUSINESS PLAN FOR JTC 1/SC22 WG11

PERIOD COVERED: September 2001 - July 2002

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 -- CD 10967-3 - Language Independent Arithmetic, Part 3: Complex Floating Point Arithmetic and Complex Elementary Numerical Functions

The registration ballot for WD 10967-3 closed on 2001-10-26; the document was registered without NO votes.

The first CD 10967-3 is currently (July 2002) under internal review by WG11; it is planned to send the document for ballot to the SC22 secretariat by September 2nd, 2002.

As the document contains, in an informative Annex, a set of bindings of the specified functionality to various programming languages, the relevant SC22 workinggroups are encouraged to review this

Annex and, if necessary, to submit comments.

A revision of ISO/IEC 11404 is planned; a roadmap for this revision will be distributed to SC22 shortly.

It is remarkable that many organisations outside SC22 (like SC32 - Data management and Interchange, and the W3C consortium) are interested in this specification.

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 publicly available.

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

The public availability of ISO/IEC 13886:1996 has been approved by JTC1; however the document is not yet release by ITTF. Once ISO/IEC 10967-3 is finalised, WG11 will request for public availability of all parts of ISO/IEC 10967.

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

CD stage documents should be prepared for both LIA-3 and the revision of LID.

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 have the highest priority,

4. ADMINISTRATIVE INFORMATION

4.1 WG11 Liaisons

Liaisons exist with the following SC22 WGs: WG3 - APL, WG4 - COBOL, WG9 - Ada, WG14 - C and WG20 - Internationalization.

Informal liaisons also exist with SC22/WG13 - Modula-2, SC22/WG19 - Formal Language Techniques, and SC2 - Characters.

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

No actions requested.