

BUSINESS PLAN FOR JTC 1/SC22 WG11

PERIOD COVERED: August 2005 - June 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 -- ISO/IEC TR 10182:1993 - Language Bindings Guidelines

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

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

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

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

JTC1.22.33 -- ISO/IEC 10967-3:2006 - Language Independent Arithmetic, Part 3: Complex Floating Point Arithmetic and Complex Elementary Numerical Functions

1.2.2 Projects Underway

ISO/IEC 10967 -- Language Independent Arithmetic

Now that Part 3 of LIA is ready, a revision of all parts is planned. This revision will include the full alignment of all parts (mainly in terminology and description), and refer to the revised version of IEC 60559 (also known as IEEE 754, the floating-point standard). The revision of this IEEE document is closely followed; however, the delay in the revision process of this document may have a negative effect on LIA revision.

JTC1.22.17 -- ISO/IEC 11404:200x - General Purpose Datatypes

ISO/IEC 11404 is under revision. Based on the results of the ballot resolution meeting

(held in New York on October 5-6, 2005) the FDIS version will be produced; this document should be ready for ballot by SC22 in the August/September 2006 time frame.

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 JTC 1, 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). A JTC 1 ballot on the free availability of SC 22 documents including the LIA documents (JTC 1 N8058) closed on 2006-05-06; the results are yet unknown.

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

Revised versions of ISO/IEC 11404 and ISO/IEC 10967.

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 revision of ISO/IEC 11404 and ISO/IEC 10967.

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

None.