

BUSINESS PLAN FOR JTC 1/SC22 WG11

PERIOD COVERED: July 2009 - June 2010

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 11404:2007 – General Purpose 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

JTC1.22.33 -- ISO/IEC 10967:200x -- Language Independent Arithmetic

After the publication of ISO/IEC 10967-3 in 2006 WG11 started the review project for all three parts.

Description of the work:

- the review should be aimed at aligning the concepts and terminology; no introduction of new features;
- the review of the FDIS ballot comments (mainly from Japan) on LIA-3 should be finalized.

The first step of the review was finalized by the CD Registration and Approval ballot on ISO/IEC 10967-1, which passed (see SC22 N 4348).

Due to an unfortunate delay there has not been any noticeable progress in the production of the subsequent versions of the documents.

Overview of the status of the three parts:

- part 1: more or less ready after the CD ballot;
- part 2: need small (hopefully not too many) adjustments to bring in line with the new part 1;
- part 3: more or less ready; the most work will be addressing the comments from Japan on the initial DIS ballot.

The editor proposes to work on the documents during this (2010) summer and have reviews and ballots starting in the autumn. This would require another request for extension of the projects to be submitted to the SC22 Plenary in September. This request however will be the last request for extension of the projects: should nothing (or not enough) have happened by the end of this year, part 1 will be submitted for FCD ballot and subsequently for FDIS ballot; in that way the work on that document is preserved and the set of documents is more consistent.

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.

All approved WG11 documents are freely available from the ITTF website (and from 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

Revision of all parts of 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 all parts of ISO/IEC 10967.

4. ADMINISTRATIVE INFORMATION

4.1 WG11 Liaisons

Liaisons exist with the following SC22 WGs: 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

My term as convener of WG11 ends by the 2011 SC22 Plenary. The previous time I indicated that this would be my last term, and that remains the case. Seeing the work to be done on the current projects and the participation in WG11, my recommendation to WG11 and SC22 is (unless an other country steps up to the task) to close WG11 at the 2011 SC22 Plenary and have the WG11 projects go into maintenance mode.

One exception might be ISO/IEC 11404:2007 for which there is interest in SC32/WG2; maybe it is possible to investigate whether it is possible to transfer the responsibility for this project to that group.

An extension for the revision project for all parts of ISO/IEC 10967 is asked from the SC22 Plenary in September 2010.