BUSINESS PLAN FOR JTC 1/SC22 WG11

PERIOD COVERED: August 2002 - July 2003

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 ballot for CD 10967-3 closed on 2002-12-24;
8 countries voted YES without comments, 1 country voted YES with
comments and 2 countries voted NO; the major concerns were that the
document was lacking essential specifications and that the document
becomes too large.
It is expected that the Disposition of Comments is ready by before
by the end of August, and the next version of the CD in October.
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.

JTC1.22.17 -- ISO/IEC 11404:200x - General Purpose Datatypes
A revision of ISO/IEC 11404 is planned; a road-map for this revision,
together with the first CD, will be distributed to SC22 shortly.
It is remarkable that many organizations 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 finalized, 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.