

**BUSINESS PLAN FOR JTC 1/SC22 WG11****PERIOD COVERED: June 2000 - August 2001****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

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

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

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 (to be published by ITTF)

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

**1.2.2 Projects Underway**

JTC1.22.33 -- WD 10967-3 - Language Independent Arithmetic, Part 3: Complex Floating Point Arithmetic and Complex Elementary Numerical Functions

The registration ballot for WD 10967-3 ends on 2001-10-26.

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.

During the period covered, ISO/IEC 10967-2 - Language Independent Arithmetic, Part 2: Elementary Numerical Functions - passed its final ballot; the document is now waiting for publication.

### **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**

A first WD for LIA-3 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 finalization of LIA-2 has the highest priority.

Furthermore, a revision of ISO/IEC 11404:1996 is considered. A roadmap for this work will be presented in the summer of 2000.

## **4. ADMINISTRATIVE INFORMATION**

### **4.1 WG11 Liaisons**

Liaisons exist with the following SC22 WGs: WG2 - Pascal, WG3 - APL, WG4 - COBOL, WG9 - Ada, WG14 - C, WG20 - Internationalization and WG22 - PCTE. Also, a liaison representative from SC26 (Micro Processors) to WG11 has been appointed.

Informal liaisons also exists with SC22/WG13 - Modula-2, SC22/WG17 - Prolog and SC2 - Characters.

## 4.2 Contact Points

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## **5. SC22 PLENARY ACTIONS RELATED TO WG11**

### **5.1 Projects Not Reaching CD Stage Within Three Years of NP Approval**

With reference to SC22 N3103: the work on LIA-3 (project 22.34) is started after LIA-2 was finalized and is now well underway. A first draft for SC22 Review and Comment is expected by fall 2000. Therefore, WG11 requests SC22 to authorize an extension of the project.

### **5.2 Standards for Periodic Review**

With reference to SC22 N3044:

- for ISO/IEC 11404:1996 - Language-Independent Datatypes, WG11 recommends a revision; a roadmap document for the revision will be available before the Plenary;
- for ISO/IEC 13886:1996 - Language-Independent Procedure Calling, WG11 recommends confirmation of this standard.

### **5.3 WG11 documents publicly available**

In order to give the WG11 documents a higher visibility, especially outside JTC1, WG11 asks SC22 permission to make the following documents publicly available through the WG11 WWW homepage:

- TR 10182:1994: Language Bindings Guidelines
- ISO/IEC 13886:1996 - Language Independent Procedure Calling
- TR 14369:1999 - Guidelines for the Preparation of Language Independent Service Specifications.