

**Business Plan and Convener's Report**  
ISO/IEC JTC 1/SC 22/WG 23 N0196

Document:  
ISO/IEC JTC 1/SC22 WG 23 N0196

Date:  
2009-06-11

PERIOD COVERED:  
Sept 2008 – July 2009

SUBMITTED BY:  
Convener, ISO/IEC JTC 1/SC22/OWG: Vulnerabilities  
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## **1. MANAGEMENT SUMMARY**

### **1.1. JTC 1/SC 22/WG 23**

Guidance to Avoiding Vulnerabilities in Programming Languages through Language Selection and Use

### **1.2. PROJECT REPORT**

#### **1.2.1. COMPLETED PROJECTS**

None

#### **1.2.2. PROJECTS UNDERWAY**

JTC 1 NP 24772, Guidance to Avoiding Vulnerabilities in Programming Languages through Language Selection. This is a Technical Report type III.

#### **1.2.3. CANCELLED PROJECTS**

None over this period.

#### **1.2.4. COOPERATION and COMPETITION**

Where appropriate, WG 23 has established active liaisons with other SC22 working groups and other standards organizations. There has been some dialog with the MISRA C working group to update their status to category C liaison.

There is no apparent direct competition with any other current SC22 working group.

## 2. PERIOD REVIEW

### 2.1. MARKET REQUIREMENTS

WG 23 feels that it is responding to the needs of the programming language community by inclusion. WG 23 will accept input and liaison by any and all appropriate organizations.

### 2.2. ACHIEVEMENTS

WG 23 has spent the third year refining TR 24772, successfully balloting a PDTR document, answering all comments from the PDTR ballot, and developed a document for the PDTR.2 ballot.

### 2.3. RESOURCES

WG 23 plans to meet three times per year. Eight national bodies are currently participating by attending meetings or by being involved in the technical discussions that take place over the email reflector. The national bodies are: Canada, France, Germany, Italy, Japan, Netherlands, UK, and the USA.

Over the last year WG 23 has made Web conferencing capabilities available for those that are finding it difficult to travel.

Liaison with five SC22 Language groups and four groups out side of SC22 has been established.

Current WG 23 liaisons are:

Group	Name	Person assigned
SC 22/WG4	Cobol	Barry Tauber
SC 22/WG5	Fortran	Dan Nagle
SC 22/WG9	Ada	Erhard Ploedereder
SC 22/ WG14	C	Tom Plum
SC 22/ WG 21	C++	Group (Tom Plum)
SC 7/WG 19	Open Distributed Processing and Modeling Languages	Cesar Gonzalez-Perez
ECMA TC39/TG2	C#	Tom Plum
JSR-282/JSR-302	Real-Time/Safety-Critical Java	Ben Brosgol
Linux Foundation	Linux	Nick Stoughton
MDC	MUMPS	Ed de Moel

## 3. FOCUS NEXT WORK PERIOD

WG 23 will focus on:

- JTC 1 NP 24772, Guidance to Avoiding Vulnerabilities in Programming Languages through Language Selection.
- Responding to all comments from a PDTR.2 ballot.
- Work with Language working groups to develop Language independent Annexes.
- Prepare DTR document; see ISO/IEC JTC 1/SC 22/WG 23 N0183, *Schedule revised*.

### 3.1. DELIVERABLES

None.

**3.2. STRATEGIES**

WG 23 believes that routine handling will suffice to complete the progress desired.

**3.3. RISKS**

No problems are anticipated.

**3.4. OPPORTUNITIES**

None.

**3.5. WORK PROGRAM PRIORITIES**

WG 23 will concentrate on the work item NP 24772.

**4. OTHER ITEMS**

**4.1. POSSIBLE ACTION REQUESTS AT FORTHCOMING PLENARY**

None.

**4.2. PROJECT EDITOR**

The following individuals have been appointed project editors and backup project editors:  
 JTC 1 NP 24772, Guidance to Avoiding Vulnerabilities in Programming Languages through  
 Language Selection.

John Benito (Project Editor)

**4.3. ELECTRONIC DOCUMENT DISTRIBUTION**

WG 23 has conducted some of its detailed technical discussion using email reflector maintained by James Moore.

WG 23 also has an ftp and Web site provided at <http://aitc.aitcnet.org/isai/> and maintained by James Moore.

WG 23 uses a secure wiki setup and maintained by Dinkumware, Ltd. This secure wiki is used for quick exchange of documents during and between meetings.

WG 23 is providing all the appropriate committee documents on the Committee Web site, eliminating the need for paper mailings.

**4.4. RECENT MEETINGS**

#1	26-27 Jun 2006	District of Columbia, USA	ANSI/INCITS and Blue Pilot
#2	14-15 Sep 2006	London, UK	BSI
#3	11-13 Dec 2006	District of Columbia, USA	ANSI/INCITS and Blue Pilot
#4	30-2 Apr/May 2007	Padova, Italy	NNI
#5	18-20 July 2007	Ottawa, Ontario Canada	SCC

#6	14-15 Oct 2007	Kona, HI, USA	ANSI/INCITS and Plum Hall
#7	10-10 Dec 2007	Pittsburg, PA, USA	ANSI/INCITS and CERT
#8	09-11 Apr 2008	Amsterdam, NL	NEN, ACE
#9	29-01 Sep/Oct 2008	Stuttgart, DE	Universität Stuttgart
#10	13-15 April 2009	San Diego, CA	ANSI/INCITS and MITRE Corp

#### 4.5. FUTURE MEETINGS

#11	13-15 July 2009	Ottawa, Ontario Canada	SCC
#12	01-03 Nov 2009	San Cruz, CA	ANSI/INCITS and Blue Pilot
#13	26-28 Apr 2010 <sup>1</sup>	Padua, Italy	UNI

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<sup>1</sup> Tentative