

BUSINESS PLAN AND CONVENER'S REPORT

ISO/IEC JTC1/SC22/WG19 (FORMAL DEFINITION LANGUAGES)

PERIOD COVERED

August 2003 - July 2004

SUBMITTED BY:

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1. MANAGEMENT SUMMARY

1.1 *JTC1/SC22/WG19 Statement of Scope*

Development of ISO/IEC standards related to formal development notations and methods.

1.2 *Project report*

1.2.1 *Completed projects*

JTC1.22.29.01 -- ISO/IEC 13817-1 Vienna Development Method/Specification Language - Part 1: Base Language

ISO/IEC 13817-1 was published in 1996. So far, no major problems have been reported.

JTC1.22.14977 -- ISO/IEC 14997 Syntactic metalanguage - Extended BNF

ISO/IEC 14977 was published in 1996. So far, no major problems have been reported.

JTC1.22.45 -- ISO/IEC 13568 Z Notation

ISO/IEC 13568 was published in 2002.

1.2.2 *Projects underway*

ISO/IEC 14977:1996 was to have been revised but there has been little interest, and it is proposed to cancel this project for the time being.

1.2.3 *Projects withdrawn*

None.

1.3 *Cooperation and competition*

WG19 has always tried to cooperate with the whole formal development methods community. Where appropriate, WG19 has established contact with other SC22 working groups. There is no direct competition with any other efforts.

2.0 PERIOD REVIEW

2.1 *Market requirements*

Formal development methods have often been developed in academia. Standardization will give credibility to their work, and encourage their tuition and future developments to be built on sound and common foundations.

2.2 *Achievements*

ISO/IEC 13817-1:1996 (VDM, Base language).

ISO/IEC 13568:2002 (Z notation).

ISO/IEC 14977:1996 (Syntactic metalanguage - Extended BNF).

The Z standardization web site is at:

<http://www-users.cs.york.ac.uk/~ian/zstan/>

2.3 *Resources*

The WG19 mailing list includes experts from Australia, Canada, Denmark, France, Germany, Ireland, Japan, Netherlands, New Zealand, United Kingdom, & USA.

3.0 FOCUS NEXT WORK PERIOD

For the upcoming work period, WG19's main task will be to deal with any maintenance required for the standards for which it is responsible.

3.1 *Deliverables*

None

3.2 *Strategies*

WG19 has two principal strategies: (1) technical excellence, and (2) liaison with all interested parties

3.2.1 *Risks*

Not applicable.

3.2.2 *Opportunities*

Not applicable.

3.3 *Work Program Priorities*

Not applicable.

4. OTHER ITEMS

This section lists other items that are not part of the "Business Plan" but are appropriate for the "Convener's Report".

4.2 *Possible action requests for SC22 Plenary*

WG19 proposes no draft resolutions, just a comment and two questions.

In 2003, WG19 and SC32 proposed a resolution (Resolution 03-08) to make the standards for Z

and Extended BNF freely available. Some months later, JTC1 passed a similar resolution, which was then sent to ISO and IEC for their approval. At that point things went quiet with no further information or announcements. My occasional attempts to find 'freely available standards' on the ISO and IEC websites failed. I have recently found them on the ITTF and JTC1 sites, and the two standards are listed there.

How do ISO, IEC and ITTF communicate with the WGs and their members? Are so many levels of bureaucracy required?

4.2 *WG19 Liaisons*

No formal liaisons.

4.3 *Convener and Project Editors*

Roger Scowen is the convener of WG19, and Ian Toyn is deputy convener.

The following individuals have been appointed project editors:

JTC1.22.29.01 -- Vienna Development Method
Derek Andrews

JTC1.22.45 -- Z notation Ian Toyn (deputy:
Susan Stepney)

JTC1.22.14977 -- Extended BNF Roger Scowen.

4.4 *Electronic document distribution*

As far as possible, discussions and decisions within the working group are taken using e-mail.

4.5 *Recent meetings*

None.

4.6 *Future meetings*

No future meetings are currently planned.

5 DRAFT RESOLUTIONS FOR SC22

None.

----- End of 2004 WG19 report to SC22 -----