



ISO / IEC JTC1 / SC22

Programming languages, their environments and system software interfaces

Secretariat: CANADA (SCC)

ISO/IEC JTC1/SC22

N 1619

JUNE 1994

TITLE: JTC1/SC22 Secretariat's Report to the Seventh Plenary meeting of SC22, The Hague Netherlands, 1994-09-19/23

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ACTION: For information to SC22 Member Bodies.
For review and correction by all Convenors.

Address reply to: ISO/IEC JTC1/SC22 Secretariat
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SC22 Secretariat's Report

PART I:

ADMINISTRATIVE

- 1.1 Title of SC SC22, Programming languages, their environments and system software interfaces
- 1.2 Chairman Robert Follett (USA) (10/91 N1071)
- 1.3 Secretariat Canada, Standards Council of Canada
2. Area of Work Standardization of programming languages, their environments and systems software interfaces such as:
- specification techniques; and
- common facilities and interfaces.

Excluded: specialized languages or environments assigned to the program of work of another Subcommittee or Technical Committee.

3. Membership

"P" Members

Australia, Austria, Belgium, Brazil, Bulgaria, Canada, China, Denmark, Finland, France, Germany, Greece, Italy, Japan, Netherlands, New Zealand, Romania, Slovenia, Sweden, Switzerland, Ukraine, UK, USA

"O" Members

Argentina, Cuba, Czech/Slovak R e p , Hungary, Iceland, India, Korea Rep, Poland, Portugal, Russian Fed., Singapore, Thailand, Turkey, Yugoslavia

ISO Liaisons

JTC1/SC1, SC2, SC7, SC18, SC21, SC24, SC26, SC27

External Category A Liaisons
CCE, ITU, ECMA

External Category C Liaisons
X/Open, Share Europe

4. Working Groups

- 4.1 WG2
Convenor
ToR
Pascal
D. Joslin (UK) (1993 - N1496)
Development of ISO standards for
Programming Language Pascal and Extended
Pascal
- 4.2 WG3
Convenor
ToR
APL
L. Dickey (Canada) (1991 - N1053)
Development of ISO standards for
Programming Language APL and Extended APL
- 4.3 WG4
Convenor
ToR
COBOL
A. Wallace (USA) (1991 - N1053)
Coordinate the development of ISO
standards for Programming Language COBOL
Coordinate the development of draft
amendments for language extensions to ISO
1989
Coordinate the development of draft
amendment for a database facility for ISO
1989
- 4.4 WG5
Convenor
ToR
Fortran
J. Martin (USA) (1991 - N1053)
Coordinate the revision of ISO 1539 -
Programming Language Fortran
- 4.5 WG8
Convenor
ToR
Basic
T. Kurtz (USA) (1991 - N1053)
Development of ISO standards for
Programming Language Basic and Full Basic
- 4.6 WG9
Convenor
ToR
Ada
R. Mathis (USA) (1993 - N1496)
Development of ISO standards for
Programming Language Ada
- 4.7 WG11
Convenor
ToR
Binding Techniques
W. Wakker (Netherlands) (1993 - N1496)
Study binding issues between programming
languages and the abstract facilities with

which they interface or interact
Serve as the SC22 focal point for
consolidating SC22 comments on SC21
bindings

- 4.8 WG13
Convenor
ToR
Modula 2
M. Woodman (UK) (1991 - N1053)
Coordinate the content of an ISO standard
for Modula 2
- 4.9 WG14
Convenor
ToR
C
P.J. Plauger (USA) (1991 - N1053)
Coordinate the content of an ISO standard
for C
- 4.10 WG15
Convenor
ToR
POSIX
J. Isaak (USA) (1991 - N1053)
Coordinate the content of ISO standards
on the Portable Operating System Interface
- 4.11 WG16
Convenor
ToR
Lisp
C. Queinnec (France) (1991 - N1053)
Coordinate the content of an ISO standard
for Lisp
- 4.12 WG17
Convenor
ToR
Prolog
R. Scowen (UK) (1991 - N1053)
Coordinate the content of an ISO standard
for Prolog
- 4.13 WG18
Convenor
ToR
FIMS
D. Frantz (USA) (1991 - N1053)
Coordinate the content of an ISO standard
for Forms Interface Management System
- 4.14 WG19
Convenor
ToR
VDM
D. Andrews (UK) (1993 - N1496)
Coordinate the content of an ISO standard
for Vienna Development Method -
Specification Language
- 4.15 WG20
Convenor
ToR
Internationalization
A. Winkler (USA) (1993 - N1496)
Identify elements relevant to the work of
SC22 that may be affected by differences
in language, culture, customs and habits;
for these elements, develop standards that
enable applications to be portable across
differing cultural practices;

develop a Technical Report that describes a framework for nations to provide those elements

4.16 WG21 C++
Convenor S. Harbison (USA) (1993 - N1496)
ToR Coordinate the development of an ISO standard for programming language C++

Part II:

MEETINGS

1.1 Last Plenary Paris, France
1993-09-20/24
1.2 Documents Resolutions - N1496
Minutes - N1494
Agenda - N1425
Secretariat Report (Proj document) - N1530

2. WGs do not meet in conjunction with Plenary meeting

3.1 Future Plenary The Hague, Netherlands
1994-09-19/23

3.2 Future WG mtgs

WG2 - Pascal	95-04	London UK
WG4 - Cobol	94-10	Canada (tentative)
	95-04	Netherlands (tentative)
	95-10	USA (tentative)
WG5 - Fortran	94-08	Edingurg, Scotland
WG9 - Ada	94-11	Baltimore, USA
WG11 - Bindings		
WG14 - C		
WG15 - POSIX	94-10	
WG16 - Lisp	94-06	Orlando, USA
WG17 - Prolog		
WG20	94-10	Cupertino, USA
WG21	94-07	Waterloo, Canada
SC22 Plenary	1995	UK or USA (tentative)

PART III:

PERSONNEL

1. Secretariat

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2. Chairman

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3. Working Groups

WG2:

Pascal

Secretariat:

BSI

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WG3:

APL

Secretariat:

SCC

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 Secretariat: ANSI
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 Secretariat: ANSI
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WG11: Binding Techniques for Languages
Secretariat: NNI
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WG15: POSIX
Secretariat: ANSI
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WG16: **Lisp**
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WG18: **Forms Interface Management System(FIMS)**
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WG19: **Vienna Development Method- Syntactic
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Secretariat: BSI
Convenor: Andrews D. (96 Plenary)
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WG20: Internationalization
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WG21: C++
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NOTE: Date in bracket represents date at which Convenor appointment ends - Date due for Convenor's re-appointment.

Project Editors:

Project	Name	Address	Tel. No.
22.01.04	W. Klein	USA	
22.01.06	A. Wallace	IBM D48/D327 San Jose Ca. USA 95161-9023 fax #	(408) 463-4344 (408) 463-3114
22.01.07	D. Nelson	USA	
22.02.02	K. Dassler	Germany	
22.05	J. Klensin		(617) 864-3247 P.O. Box 197 Cambridge Massachusetts USA 02140-0002
22.06	J. Klensin		(617) 864-3247
22.08	B. Wichmann	National Physical Laboratory Div of Info Tech. & Comp Teddington Middlesex TW11 DLW UK	+44-01-977 3222
22.10.01	C. Anderson/ S. Taft	USA	(904) 882-8264
22.10.02	K. Dritz	USA	
22.10.04	D. Sando	USA	
22.11	T. Kurtz	True BASIC 12 Commerce Avenue West Lebanon NH USA 03784	(603) 298-8517
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22.14	D. Nelson	USA	
22.16	K. Edwards	IBM Corp. - D48/D333 555 Bailey Ave. P.O. Box 49023 San Jose Ca. USA 95161	

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22.17	E. Barkmeyer	NIST Bldg 220 Room A127 Gaithersburg, Md USA 20899	(301) 975-3528
22.18.01	R. Henry	Computer Science Group Nottingham Park Nottingham NG7 2RD UK	+44-06-02-506101 Ext 2855
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22.22.02	K. Dassler	Germany	
22.26	D. Emery	USA	
22.28	M. Payne	USA	
22.30.01	T.K. Sato	Japan	
22.30.02.01	K. Simonsen	Denmark	
22.30.02.02	A. labonté	Canada	

22.31	M. Graham	USA	
22.32	A. Koenig	USA	
22.33	M. Payne	DEC	(508) 493-2586
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PART IV: PROGRAMME OF WORK (June/94)

Project/Ass. date	Title	Ref No	W	Proj Editor	WD	CD	DIS	IS	Note
22.01.01 sc5	Programming language COBOL Defect reports 1 - 55	ISO 1989:1985 N1604	04	Convener					published. Rec of resp letter bal.
22.01.03 07/87	Addendum 1 to ISO 1989- Intrinsic Functions	AD 1/1989:1985	04	Convener				11/91	published
22.01.04 07/87	Correction Addendum to ISO 1989	ISO 1989:1985/ DAM 2	04	W. Klein USA		06/92	11/92 01/93	02/94	N1435 Smry DIS ballot
22.01.05 01/89	Addendum to ISO 1989 - FIMS interface	proj withdrawn	04		10/93				N1163 smry ballot for withdrawal
22.01.06 01/89	Addendum to ISO 1989 - MOCS support		04	A. Wallace	01/93				
22.01.07 01/89	Revision of ISO 1989:1985		04	D. Nelson - USA	12/94	12/95	12/96	12/97	
22.02.01 sc5	Revision of ISO 1539:1980 Technical Corr 1	IS 1539:1991 N1603	05	Convener					Published. N1603 sent to TTTF.
22.02.02 10/89	Addendum to ISO 1539 - Variable Length Character String Module	DIS 1539-2	05	K. Dastler Germany	11/91	10/92	10/93	10/94	DIS closed 18/05/94
22.03 sc5	Hardware rep of ALGOL	TR1672:1977	--						Withdrawn.
22.04 sc5	Prog lang ALGOL 60	ISO 1538	--						Withdrawn.
22.05 sc5	Prog Language PL/I	IS 6160:1987	--	J. Klensin - USA					Published.
22.06 sc5	Revision of ISO 6522:1985 PL/I General Purpose Subset	IS 6522:1992	--	J. Klensin - USA				09/91 11/92	Published 92/11.
22.07 sc5	Prog lang Minimal BASIC	IS 6373	08						Withdrawn.
22.08 sc5	Prog Language Pascal	IS 7185:1990	02	B. Wichmann - UK					Published.
22.09 sc5	Prog Language APL	IS 8485:1989	03	Convener					Published.
22.10.01 sc5	Revision of Ada ISO 8652:1983	CD 8652	09	C. Anderson/S. Taft - USA	06/93	10/93	06/94	12/94	N1544 smry CD ballot
22.10.02 08/88	Ada Numeric Packages	DIS 11430	09	K. Dritz - USA			09/92		N1146 smry DIS
22.10.03 08/88	Ada Primitive Functions	DIS 11729	09	Convener			10/91		N1562-smry DIS ballot
22.10.04 08/88	Ada Complex Functions	CD 13813	09	D. Sando - USA		10/93			N1551 smry CD ballot

22.10.05	08/88	Ada Matrix Functions	CD 13814	09	J. Squire - USA	10/93		09/91	N1522 smry CD ballot
22.11	sc5	Prog Langage Full Basic Technical Info Bulletin 1	IS 10279:1991 X3.113-1987	08 08	T. Kuruz - USA				Published. N1189
22.12	sc5	Industrial realtime Fortran	IS 7846	--					Published. Re-affirm?
22.13	sc5	Guidelines for the Preparation of Prog Language Standards	TR 10176:1991	20				04/91	Published. Under revision.
22.14	sc5	Binding Techniques for Prog Languages	TR 10182	11	D. Nelson - USA			03/92	Published.
22.15.01	08/85	Conformity Requirements & Testing	TR 10034:1990	--	N/A				Published.
22.15.02	08/85	Test Methods for Prog Language Processors	TR 9547:1988	--	N/A				Published.
22.16	04/85	Lang-Independent Procedure Calling Mechanism	CD 13886	11	K. Edwards - USA	12/92		11/93	N1572 smry CD ballot
22.17	04/85	Lang-Independent Datatypes	DIS 11404	11	E. Barkmeyer USA			2nd 01/93	N1575 Disp of CD comments
22.18.01	04/86	Prog Language Modula 2	2nd CD 10514	13	R. Henry - UK			01/93	N1398 Disp of cts rpt
22.18.02	01/92	Object-oriented Modula 2		13	Convenor	02/94		12/94	
22.18.03	01/92	Modula 2 binding to POSIX		13	Convenor	02/94		12/94	
22.18.04	01/92	Modula 2 extensions for systems programming		13	Convenor				deferred until 18.02 is further along
22.18.05	01/92	Support for commercial programming in Modula 2		13	Convenor				deferred until 18.02 is further along
22.18.06	01/92	Further support for concurrent programming in Modula 2		13	Convenor				deferred until 18.02 is further along
22.19	04/86	Prog Language Extended Pascal	IS 10206:1991	02	B. Wichmann - UK			04/91	Published.
22.20.01	04/86	Prog Language C Technical Corr 1	IS 9899:1990 9899:1990 Corr 1	14	Convenor			09/93	Published. N1593 Fin Text ITTF
22.20.02	10/89	Addendum on C Integrity	DAM 1	14	D. Jones - UK	10/92		09/93	N1556 fin text to ITTF
22.21.01.01	07/87	POSIX System Interface	IS 9945-1:1990	15	H. Jespersen - USA	12/92			

22.22.02	09/91	Prolog Modules		17	K. Däßler - Germany	03/93				>>CD13211-2<<
22.23	09/87	Prog Language Lisp	N1311	16	Convenor	01/93				to be no CD13816
22.24.01	09/87	Prog Language Extended APL	CD 13751	03	Convenor	04/92	09/92			N1528 smry CD bal
22.25	06/88	Addressing Comments on the Ada Standard (TR)		09	Convenor	05/93				ballot to withdraw N1602
22.26	06/88	Uniformity of Ada Implementation (TR)		09	D. Emery - USA	03/93				ballot to withdraw N1602
22.27.01	08/88	Forms Interface Management System (FIMS)	DIS 11730	18	Convenor		10/91	02/93	01/94	Sent to ITTF for publ Jan 25/94
22.27.02	08/92	Addendum to FIMS - COBOL Binding	PDAMI to IS 11730	18	Convenor					N1554 smry vote PDAMI
22.27.03	08/92	Addendum to FIMS - Intermediate Subset		18	Convenor					
22.27.04	08/92	Addendum to FIMS - Fortran Binding		18	Convenor					
22.27.05	08/92	Addendum to FIMS - Ada Binding		18	Convenor					
22.28	04/90	Language Independent Arithmetic	DIS 10967-1	11	M. Payne - USA		2nd 10/92			N1588 - smry DIS vote
22.29.01	03/90	Vienna Development Method/Specification Language Part 1: Base language	CD 13817-1	19	Convenor	05/92	12/93			N1587 - Smry of CD ballot
22.29.02	08/92	Vienna Development Method/Specification Language Part 2: Modules		19	Convenor					
22.30.01	04/90	Framework for Internationalization for prog languages & env.	N1415 - WD	20	T.K. Saito - Japan	08/92				1st WD to be no WD 11017 as per ITTF
22.30.02.01	04/90	Functionality for Internal'tion of Applications		20	K. Simonsen Denmark					
22.30.02.02	09/93	Functionality for Internal'tion of Applications - Ordering of 10646		20	A. Labonté Canada					

22.31	06/90	Ada/SQL Interface	CD 12227 N1385>DIS proc	09	M. Graham - USA	08/92			N1384 disp of coms tpl
22.32	04/91	Prog Language C++	WD: N1561	21	A. Koenig - USA	09/94	06/95	02/96	12/96
22.33	04/91	Language Independent Mathematical Procedures	N951	11	M. Payne - USA	10/93	12/94		to be no ** 10967-2
22.34	04/91	Language Independent Complex Arithmetic and Procedures	N952	11	M. Payne - USA	11/94	09/95		to be no ** 10967-3
22.35	06/91	Ada Extensions and User Run Time Executive Interface	PDTR 11735	09	N. Ketani - Fr				N1597 - CD N1598 - Rationale
22.36	12/91	Addendum to ISO 10279 Full Basic: Modules and Single Character Input Enhancement	Amendment 1 to ISO/IEC 10279 (DAM processing)	08	Convenor	09/91	02/92	09/92	07/93
22.37	03/92	Test Methods for Measuring Conformance to POSIX	part 1 - CD13210 part 2 WD-N1417	15	H. Jespersen - USA	07/92	09/92	09/92	N1516 Disp of coms DIS sent to ITTF
22.38	03/92	Guide to POSIX Open System Environments	PDTR 14252 smry-NWI	15	H. Jespersen - USA	03/93	04/94		N1596 - PDTR ballot
22.39	03/92	Portable Operating System Interface (POSIX)- Part 1: System API Addendum	N1125 smry-NWI	15	H. Jespersen - USA				
22.40	03/92	Portable Operating System Interface (POSIX)- Part 1: System API Addendum for Realtime	N1126 smry-NWI	15	H. Jespersen - USA				
22.41	03/92	Portable Operating System Interface (POSIX)- Part 2: Shell & Utility Addendum	N1127 smry-NWI	15	H. Jespersen - USA				
22.42	03/92	Portable Operating System Interface (POSIX)- Part 1: System API Security Addendum	N1128 smry-NWI	15	H. Jespersen - USA				
22.43	03/92	Portable Operating System Interface (POSIX)- Part 2: Shell & Utility Security Addendum	N1129 smry-NWI	15	H. Jespersen - USA				
22.44	07/92	Programming Language MUMPS	IS 11756:1992					01/92	IS published 92-12-15.
22.45	03/93	Z Specification Language	N1339 smry-NWI						

22.46 01/94	Guidelines for preparation of lang-independent service specification	N1376	11	ECMA ECMA ECMA	09/93 09/93 09/93	Editing mtg - N1578 fasttrack cmis N1579 July 6/8, 1994 N1580
22.47 03/94	PCTE parts 1, 2 and 3	DIS 13719-1 DIS 13719-2 DIS 13719-3				
22.xx NWI proposal 22.xx NWI proposal	POSIX Test Methods Conformance Testing Ref Model for OSF	N1402 N1403				JTC1 bal (05/94)