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Programming Languages

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SC 22 Programme of Work

(Note: Bolded reference numbers in the third column indicate an active project.)
2008-08-06

Project	Title	Ref. No.	WG	Proj. Editor	WD	CD	DIS	IS	Note
	Information technology – Vocabulary	**ISO/IEC 2382**							Under the maintenance of SC 22
22.02.01.01	Programming language Fortran, Part 1 Revision of ISO 1539-1:1997	**CD 1539-1**	05	Malcolm Cohen UK					Published (1997) Revision approved by N2574 (Res. 97-3) COR 1 published (2001-06-01) COR 2 published (2002-06-15) Published (2004) Revision approved in Resolution 06-16 N 4319 is CD ballot, closes 31 August 2008
22.01.01	Programming language COBOL	**CD 1989**	04	A. Bennett USA D. Nelson USA					Published (2002) N 3869 is DCOR 1 ballot N 3901 is DOCR 1 SOV N 3891 is DCOR2 ballot N3986 is DOCR 2SOV Published Under revision N 4315 is Concurrent CD N 4357 is the positive Summary of Voting

Project	Title	Ref. No.	WG	Proj. Editor	WD	CD	DIS	IS	Note
22.21.04.01.01	POSIX	**FCD 9945**	15	A. Josey UK					Published (2003) DTC contained in N3703 N3731 is SOV Sent to ITTF 2004-05-06 Revision approved in Resolution 06-16 N 4160 is CD Reg and Approval ballot N 4189 is the SOV (approved) N 4192 is a request to make this a single standard Approved and forwarded to ITTF 2007-08-07 FCD approved in November 2007 N 4341 is the Disposition of the FCD ballot. FDIS text submitted 11 June 2008 to ITTF
10967-1	Information technology – Language independent arithmetic – Part 1: Integer and floating point arithmetic	**CD 10967-1**	11						Resolution 07-02 approves the revision of this document N 4311 is CD Registration and Approval Ballot, N 4369 is the positive Summary of Voting
10967-2	Information technology – Language independent arithmetic – Part 2: Elementary numerical functions	**NP 10967-2**	11						Resolution 07-02 approves the revision of this document
10967-3	Information technology – Language independent arithmetic – Part 3: Complex integer and floating point arithmetic and complex elementary numerical functions	**NP 10967-3**	11						Resolution 07-02 approves the revision of this document
13211	Information technology – Programming languages – Prolog – Part 3: Definite clause grammar rules	**DTR 13211-3**	17						N 4049 is NWI, PDTR ballot N 4131 is SOV

Project	Title	Ref. No.	WG	Proj. Editor	WD	CD	DIS	IS	Note
22.32	Programming Language C++ (second edition)	**CD 14882**	21	P. Becker USA L. Crowl (Back up)					Published (2003) N 4163 is LB to approve revision N 4175 is SOV (approval) N 4185 is CD Registration ballot N4208 is SOV (passed) Extension granted at the request of WG 21
22.15291	Ada Semantic Interface Specification	**PWI 15291**	09	Greg Gicca & C. Roby ACM SIGAda					Published (1999) Mr. Gicca to be approved as PE at next Plenary. Revision approved in Resolution 06-16 Resolution 07-11 registers this project as PWI
22.01.09	Technical Report on COBOL Collection Classes	**DTR 24717**	04	R. Karlin USA					N3702 approved project N3873 is PDTR LB N 3909 is SOV for PDTR N3911 is late SOV for PDTR Submitted to JTC 1 2007-03-20 for DTR voting N4214 is SOV (passed)
22.24731-2	Extensions to the C Library: Part 2	**DTR 24731-2**	14	Nick Stoughton, USA					N 4176 is WDTR Registration ballot N 4198 is SOV (passed)
22.24732	Extensions for the Programming Language C to Support Decimal Floating Point Arithmetic	**PWI 24732**	14	E. Kwok Canada P.J. Plauger (Backup) USA					N3720 is NWIP N3740 is SOV Resolution 05-03 requests 1 year extension N4060 is the registration ballot N4141 is SOV (passed) N 4288 is SoV for DTR (passed) Resolution 07-11 registers this project as a PWI Submitted for publication on 2008-08-06 as IEEE document published.

Project	Title	Ref. No.	WG	Proj. Editor	WD	CD	DIS	IS	Note
22.24733	Extensions for the Programming Language C++ to Support Decimal Floating Point Arithmetic	**AWI 24733**	21	R. Klarer Canada					N3721 is NWIP N3741 is SOV Resolution 05-03 requests 1 year extension Registered as a Preliminary Work Item
22.24737	C++ Library Extensions (based on ISO/IEC 14882)	**PWI 24737**	21	M. Austern USA P. Becker (Backup)					N 3776 is NP SOV Resolution 07-11 registers this project as a PWI
22.24747	Type 2 TR on Extensions for the Standard Library of the Programming Language C to Support Mathematical Special Functions	**FCD 24747**	14	P.J. Plauger USA J. Benito, backup, USA					N3814 is NP ballot N 3804 is SOV N4109 is PDTR Registration ballot N 4162 is SOV (passed) N 4201 requests change from TR to IS. Closes 2007-08-02 Approved N 4318 is FCD ballot N4371 is Summary of Voting As no negative votes were received, the document will go directly to publication upon WG 14s consideration of ITTF editorial comments. Submitted to ITTF for publication on 2008-08-05
22.24772	Avoiding Vulnerabilities in Programming Languages through Language Selection and Use	**PDTR 24772**	OW GV	J. Benito USA					N3913 is NP ballot N3990 is the SOV Registered as a PDTR by Resolution 07-10
22.26926	C++/CLI Language Specification	**DIS 26926**		R. Jaeschke USA					DIS vote ends 8 August 2006
22.29113	Further Interoperability with C, TR Type 2	**NP 29113**	5	B. Long USA					NP SoV is N 4170. Resolution 07-11 registers this project as a PWI
22.29117	Programming Language C++ - Modules	**NP 29117**	21						NP SoV is N 4199 Resolution 07-11 registers this project as a PWI
22.29124	Programming language C++ - Special Mathematical Functions	**NP 29124**	21	TBD					NP SoV is N 4272

Published Standards

Project	Title	Ref. No.	WG	Proj. Editor	WD	CD	DIS	IS	Note
22.02.02	Fortran - Part 2: Varying length character strings	IS 1539-2	05	L. Schonfelder					Published (2000)
22.02.03	Fortran - Part 3: Conditional compilation	IS 1539-3	05	D. Nagle USA					Published (1999) Corrected and reprinted 2000-12-15
22.9496	Programming Language CHILL (4th Edition)	IS 9496							Published (2003)
22.20	Programming Language C	IS 9899 COR 2	14	L. Jones USA N. Stoughton (backup) USA David Keaton (backup) USA					Published (1999) N3744 is Tech Cor 2 ballot, closes 2004-09-16 Backup PE: D. Walls (USA) N3815 is SOV Published
22.05	Programming Language PL/I	IS 6160		J. Klensin USA					Published (1979) Confirmed in 2000 (N3218)
22.06	General Purpose PL/I	IS 6522		J. Klensin USA					Published (1992) Confirmed in 2001 (N3305)
22.08	Programming Language Pascal	IS 7185		T. Hetherington UK					Published (1990) Confirmed in 2000 (N3218)
22.09.01	Programming Language APL	IS 8485	SC 22	L. Dickey Canada					Published (1989)

22.10.01	Ada	IS 8652	09	R. Brukardt Ada-Europe E. Ploedereder Germany					Published (1995) Confirmed in 2000 (N3218) COR 1 published (2001-06-01)
22.10.01.01	Amendments to ISO/IEC 8652:1995	ISO/IEC 8652 AMD 1	09	P. Leroy France R. Brukardt Ada-Europe					Subdivision of project 1.22.10.01 approved per JTC 1 N6567. N 4051 is FPDAM ballot Passed. Corrigendum will be sent to ITTF for publication. Published, January 2007
22.15.02	Test Methods for Programming Language Processors	TR 9547							Published (1988)
22.15.01	Guidelines for Preparation of Conformity Clauses	TR 10034							Published (1990)
22.13	Guidelines for the Preparation of Programming Language Standards (Fourth edition)	TR 10176	20	M. Küster Germany					Published (2003) Request to make freely available approved by JTC 1, sent to ITTF for final approval on 2003-09-30.
22.14	Binding Techniques for Prog Languages	TR 10182	11						Published (1993)
22.19	Programming Language Extended Pascal	IS 10206		T. Hetherington UK					Published (1991) Confirmed in 2001 (N3305)
22.11	Programming Language Full Basic Technical Info Bulletin 1	IS 10279		T. Kurtz USA					Published (1991) Confirmed in 2001 (N3305)
22.36	Amendment 1 to ISO 10279:1991 (Programming Language Full Basic Technical Info Bulletin 1)	IS 10279/ Amd. 1							Published (1994)
22.18.01	Programming Language Modula-2 Base language	IS 10514-1	13	C. Pronk Netherlands					Published (1996) Confirmed in 2001 (N3305)

22.18.02	Object-Oriented Extensions to Modula-2	IS 10514-3	13	A. Wiedemann Germany					Published (1998) Confirmed in 2003 (N3659)
22.18.04	Generics in Modula-2	IS 10514-2	13	R. Sutcliffe Canada					Published (1998) Confirmed in 2003 (N3659)
22.28	Language Independent Arithmetic	IS 10967-1	11	K. Karlsson Sweden					Published (1995)
22.33	Elementary Numerical Functions	IS 10967-2	11	K. Karlsson Sweden					Published (2001)
22.34	Complex Floating Point Arithmetic and Complex Elementary Numeric Functions	IS 10967-3	11	K. Karlsson Sweden	(09/99)	(09/00)			New title approved 9/95 Resolution 95-8 N1970 N3208 grants year extension for move from NP to CD stage N3270 is CD Reg. Ballot N3340 is CD Reg. SoV N3497 is CD Approval Ballot N3534 is SoV N3651 is Disp of comments N3754 is the text for FCD ballot, closes 2004-10-30 N3825 is SOV. Passed, sent on for prep for DIS 2004-11-01 Published
22.30.01	Framework for Internationalization	TR 11017	20						Published (1998) Request to make freely available approved by JTC 1, sent to ITTF for final approval on 2003-09-30.

22.17	Language-Independent Datatypes	IS 11404	11	F. Farance USA					Published (1996) Freely available To be revised per 2001 Systematic Review (n3305) N3612 is CD letter ballot closing N3698 is SoV approving CD N3865-FCD ballot N3904 is SoV Submitted to ISO CS for FDIS ballot 2007-01-24 FDIS closes on 2007-10-22 Published in 2007
22.11756	Programming Language MUMPS	IS 11756		K. Schell USA					Published (1999)
22.37	Test Methods for Measuring Conformance to POSIX	IS 13210	15	B. Hedquist USA					Published (1999)
22.22.01	Prolog General Core	IS 13211-1	17	Convenor					Published (1995) Confirmed in 2000 (N3218)
22.13211	Information technology – Programming languages – Prolog – Part 1: General Core, Technical Corrigendum 1	ISO 13211-1 COR 1	17	R. Scowen					N 4055 is DCOR ballot DOCR PUBLISHED 19 November 2007
22.22.02	Prolog Modules	IS 13211-2	17	J. Hodgson USA					Published (2000)
22.45	Z Notation	IS 13568	19	I. Toyn UK (Deputy editor: Susan Stepney)					Published (2002)
22.45	Z Notation	IS 13568 DCOR 13568	19	I. Toyn UK					Published (2002) N 4133 is DCOR ballot N 4169 is SOV Submitted to ITTF for publication 02-2007 Published July 2007
22.47.1	PCTE, Part 1 PCTE, Part 2 PCTE, Part 3	IS 13719-1 IS 13719-2 IS 13719-3		SC 22 Secretariat					Published (1998) Published (1998) Published (1998) Confirmed in 2003 (N3659)

22.47.5	IDL Binding to PCTE	IS 13719-4		SC 22 Secretariat					Published (1998) Confirmed in 2003 (N3659)
22.24.01	Programming Language Extended APL	IS 13751	SC 22	Convenor					Published (2001)
22.10.04	Ada Complex Functions	IS 13813	09						Published (1998) Confirmed in 2003 (N3659)
22.10.05	Generic Package of Complex Elementary Functions in Ada	IS 13814	09						Published (1998) Confirmed in 2003 (N3659)
22.23	Programming Language Lisp	IS 13816	16	K. Pitman USA					Published (1997) Confirmed in 2002 (N3462) CD approved N 3867 FCD ballot is N 4046 (closes on 8/17/2006) N 4130 is SOV Submitted to ITTF for FDIS ballot 2006-12-06 FDIS ends 2007-09-05 FDIS SoV is N 4271, passed. Published 2007
22.29.01	Vienna Development Method/ Specification Language, Part 1: Base Language	IS 13817-1	19	D. Andrews UK					Published (1996) Confirmed in 2001 (N3305)
22.16	Language-Independent Procedure Calling	IS 13886	11						Published (1996) Confirmed in 2001 (N3305) JTC 1 approved per N6491. Request sent to ITTF to make publicly available (awaiting IEC approval) Freely Available
22.46	Guidelines for Preparation of Language Independent Service Specification	TR 14369	11	Convenor					Published (1999)
22.38	Guide to POSIX Open Systems Environments	TR 14252	15						Published (1996) Freely available.
22.14515-1.01	Initial System API	IS 14515-1	15	B. Hedquist USA					Published (2000)

22.14515-1.02	Amendment 1 to IS 14515-1:1996 - Realtime Extensions	IS 14515-1/ FDAM 1	15	B. Hedquist USA	06/96	01/97			N2162 is WD N2233 is PDAM Reg Ballot N2358 is SoV N2647 is PDAM Ballot N2744 is SoV N2871 is DoC N3112 is FPDAM Ballot N3189 is SoV JTC 1 N6567 grants one year extension to proceed to next stage N3558 is ToR for FDAM ballot Published (200407-11)
22.14515-2	Shell and Utilities Test Methods (TM for 22.21.02.01 and 21.02.02)	IS 14515-2	15		08/95	03/96	08/97		N1924 is WD N2093 is CD reg and CD Ballot N2226 is Summary of Voting N2677 is ITTF Table of Replies JTC 1 N6567 grants one year extension to proceed to next stage Per Res. 02-08, text for FDIS ballot sent to ITTF on 2002-09-18 Published (2004)
22.21.04.02	Ada POSIX – Binding for System API	IS 14519	09	T. Baker USA					Published (2001) Maintenance transferred to WG 9 as of Resolution 06-15

22.30.02.03	Specification Method for Cultural Conventions	TR 14652	20	K. Simonsen Denmark	12/97	12/98 (2nd)			N2504 is concurrent CD reg CD ballot N2612 is vote summary N2637 is comts disposition N2638 is FCD Ballot Title change approved N2806 (res 98-18) N2732 is vote summary N2829 is comts disposition N2869 is second FCD ballot N2917 SoV N2937 DoC N2955 PDTR ballot N3024 SoV N3028 UK vote N3133 is DoC N3227 is text sent to JTC 1 for final approval N3261 is JTC 1 SoV (not approved) N3371 sent to JTC 1 for second LB JTC 1 N6721 is second LB for approval N3421 is DoC N3479 is final text, sent 2002-08-19 to ITTF for publication Re-sent 2003-06-19 following clarification of Annex issues Request to make freely available approved by JTC 1, sent to ITTF for final approval on 2003-09-30.
22.14766	Guide for POSIX National Profiles	TR 14766	15	K. Simonsen Denmark					NP ballot is N1741 N1822 is summary of voting N2044 is JTC 1 vote summary N3162 is PDTR Reg. Ballot N3192 is SoV N3234 is PDTR LB N3299 is SoV
22.14977	Syntactic Metalanguage - Extended BNF	IS 14977 WD 14977	19	R. Scowen UK					Published (1996) To be revised per 2001 Systematic Review (n3305) Revision cancelled

22.21.03.04	POSIX System Administration Software Administration	IS 15068-2	15						Published (1999)
22.15145	FORTH Programming Language	IS 15145		J. Rible USA					Published (1997) Confirmed in 2002 (N3462)
22.15287.02	Standardized Application Environment Profile -- Part 2: POSIX Realtime Application Support (AEP)	ISP 15287-2	15	J. Oblinger USA					Published (2000)
22.02.01.02	Floating Point Exception Handling TR (Type 2) - Second Edition	TR 15580	05	J. Reid UK					Published (2001)
22.02.01.04	Enhanced Data Type Facilities TR (Type 2) - Second Edition	TR 15581	05	M. Cohen UK					Published (2001)
22.15851	Communications Protocol - Open Interconnect	IS 15851		K. Schell USA					Published (1999)
22.15852	M Windowing API	IS 15852		K. Schell USA					Published (1998)
22.15942	Guidance for Use of Ada In High Integrity Systems (Type 3 TR)	TR 15942	09	B. Wichmann UK					Published (2000) Freely available on ISO site
22.16262	ECMAScript language specification	IS 16262		M. Cowlishaw ECMA					2nd edition Published (2002)
22.16509	Year 2000 Terminology	IS 16509		K. Lewis USA					Published (1999)
22.18009	Ada: Conformity Assessment	IS 18009	9	E. Ploedereder Germany					Published (1999)

22.18015	C++ Performance (Type 3 TR)	TR 18015	21	L. Goldthwaite UK D. Vollmann (Backup)					N2831 is NP for SC 22 ballot N2891 is SoV N2952 is JTC 1 SoV on NP N3502 is Reg. LB N3536 is SoV N3646 is LB for PDTR N3699 is SOV JTC 1 N7372 is DTR LB JTC 1 N7439 is SOV Published in 2006 Freely available via the ITTF website
22.18037	C Extensions to Support Embedded Processors	TR 18037	14	W. Wakker Netherlands Backup PE: J. Benito USA					Published June 2008
22.01.07.01	Object finalization for programming language COBOL (Type 2 TR)	TR 19755	04	W. Takagi Japan					Published (2003)
22.02.01.05	Technical Report of Type 2 on Enhanced Module Facilities in Fortran	IS 19767	05	V. Snyder USA					NP approved per N3367 N3693 is PDTR ballot N3727 is SOV JTC 1 N 7440 is DTR LB Passed LB PUBLISHED
22.32.01	Technical Report of Type 2 on C++ Library Extensions (based on ISO/IEC 14882)	TR 19768	21	M. Austern USA P. Becker (backup)					NP approval contained in N3368 N3863 is PDTR approval and PDTR N3887 is SOV Sent to ISO for publication 3-2006 Awaiting publication Estimated publication date: 2007-10-04 Published, 11 November 2007

22.20.01	Extensions for the programming language C to support new data character types (Type 2 TR)	TR 19769	14	Mr. N. Mori Germany John Benito (backup) USA					NWI approved per N3393 N3579 is concurrent reg. And approval PDTR ballot N3649 is SoV N3678 is DoC N3679 is DTR text JTC 1 N7296 closes 2002-02-14 JTC 1 N7375 is SOV Sent to ITTF 2004-05-19 Published 202004-07-23 Backup PE: J. Benito (USA)
22.20970	J-Consortium: JEFF file format specification	IS 20970	TBD	J Consortium					Published (2002)
22.22537	Information technology-ECMASCript for XML (E4X) specification	IS 22537		Jeff Dyer ECMA					DIS registered 2004-08 SOV Available
22.23270	C# Language Specification	IS 23270		R. Jaeschke USA				2006	Published (2003) Revision is ECMA Fast Track DIS Ballot closed 2006-01-26 DoC is N 4052 Published 2006 Freely Available via the ITTF website
22.23271	Common Language Infrastructure	IS 23271	TBD	R. Jaeschke USA					Published (2003) Revision is ECMA Fast Track DIS Ballot closed 2006-01-26 DoC is N 4053 Published 2006 Freely Available via the ITTF website
22.23272	Technical Report on CLI	TR 23272	TBD	R. Jaeschke USA					Published (2003)
22.23272	ECMA TR/84 ¦ ISO/IEC 23272 Common Language Infrastructure (CLI) Technical Report: Information Derived from Partition IV XML File	TR 23272		R. Jaeschke USA					This document is an ECMA Fast Track DTR passed at JTC 1 level (JTC 1 N 8022 is SOV) Published 2006 Freely available via the ITTF website

22.22360	Linux Standard Base Core Specification	IS 23360		N. Stoughton FSG					This document is an FSG Fast Track. N3899 is the DIS Report N3986 is the Convenor Report of Ballot Resolution Split into a multi-part standard Published 2006
22.24715	Technical Report on the Conflicts between the ISO/IEC 9945 (POSIX®) Standard and the Linux Standard Base Specification	TR 24715		A. Josey					N3694 is SoV approving NP and PDTR N3823 is draft TR text TR balloted as JTC 1 N 8017 SOV is SC 22 N 4025, passed JTC 1 Sent to ITTF for publication, 2006-03-31 Published 2006
22.01.08	Technical Report on Native COBOL Syntax for XML Support	TR 24716	04	D. Schricker USA					N3701 approved project N 3872 is PDTR LB N 3809 is SOV for PDTR N3872 is PDTR LB N3909 is SOV for PDTR N3912 is late SOV for PDTR Sent to JTC 1 for balloting 2007-01-05 N4204 is SOV (passed) Published 2007
22.10.06	Technical Report, Guide for the use of the Ada Ravenscar Profile in High-Integrity Systems	TR 24718	9	A. Burns UK					NP and PDTR registered per N3706. JTC 1 N 7499 is DTR ballot closes 23 Oct. 2004 PUBLISHED 2005
22.24731-1	Extensions to the C Library: Part 1 Bounds checking interfaces	TR 24731-1	14	R. Meyers US P.J. Plauger (backup) USA					N3704 is the NWIP N3720 is the SOV N3838 is the TR Registration ballot N3880 is SOV N3888 is DOC Resolution 05-03 requested title change N 4142 is SOV on DTR. Passed. Submitted to ITTF for publication 2007-03-29 Published (2007)

Project	Title	Ref. No.	WG	Proj. Editor	WD	CD	DIS	IS	Note
22.25436	Eiffel Analysis, Design and Programming Language	IS 25436		R. Jaeschke USA					This is an ECMA Fast Track Document. N 3926 is JTC 1 Document for 30 Day Review DIS opened on 2005-09-02. Passed DIS Published 2006 Freely available via the ITTF website
22.25438	Common Language Infrastructure (CLI): TR Common Generics	TR 25438		R. Jaeschke USA					This document is an ECMA Fast Track. DTR passed at JTC 1 Level (JTC 1 N 8020 is SOV) Published 2006 Freely available via the ITTF website
22.15287	International Standardized Profiles (Umbrella Project)		15						

Stabilized Standards

Project	Title	Ref. No.	WG	Proj. Editor	WD	CD	DIS	IS	Note
	ALGOL 60	ISO 1538		J.W. van Wingen Netherlands					Withdrawn in 1989 Made stabilized standard in 2003

Recently Transferred Projects

Project	Title	Ref. No.	WG	Proj. Editor	WD	CD	DIS	IS	Note
22.30.02.02	International String Ordering and Comparison - Method for Comparing Character Strings and Description of the Common Template Tailorable Ordering	IS 14651	20	A. LaBonte Canada					Transferred to JTC 1/SC 2 per JTC 1 Singapore Resolution 24.

Project	Title	Ref. No.	WG	Proj. Editor	WD	CD	DIS	IS	Note
22.30.02.02.01	Amendment 1 to IS 14651	IS 14651/ Amd. 1	20	A. LaBonte Canada					Published (2003) Transferred to JTC 1/SC 2 per JTC 1 Singapore Resolution 24.

Recently Cancelled/Withdrawn Projects

Project	Title	Ref. No.	WG	Proj. Editor	WD	CD	DIS	IS	Note
22.15897	Procedure for the Registration of Cultural Elements Revision of IS 15897:1999	IS 15897 **CD 15897**	20	K. Simonsen Denmark					Published (1999) N2845 is Reg Auth Approval Conc. Reg. & CD ballots approved by N3013 Res. (99-15) N3266 is conc. Reg and CD ballot N3341 is SoV N3437 is DoC N3586 is FCD ballot N3666 is SoV N3680 is DoC N3681-sent to RA N3922 is PE DOC This document is on hold pending discussions at the 2006 SC 22 Plenary meeting in London. Cancelled as per Resolution 06-27
22.35	Extensions for real-time Ada	TR 11735	09	N. Kettani France					Published (1996) Approval for Withdrawal by JTC 1 in March 2003 (JTC 1 N 6987)

Project	Title	Ref. No.	WG	Proj. Editor	WD	CD	DIS	IS	Note
22.21.02.03	POSIX - Amendment 1 on Batch Services Portability Extensions	**IS 9945-2/ PDAM 1**	15		12/92	8/94	12/95	08/96	N1645 is PDAM N1758 is SoV N2017 is DoC N2232 is ITTF ToR N2480 is DoC Time delay in forwarding for pub. required new JTC 1 LB N2961 is ITTF ToR JTC 1 N6567 grants one year extension to proceed to next stage
22.21.03.05	POSIX System Administration User Administration	**DIS 15068-3**	15		07/94	11/95	08/97		WD is N1635 N1986 is CD reg and ballot N2086 is SoV N2475 is DoC N2673 is ITTF Table of Replies JTC 1 N6567 grants one year extension to proceed to next stage
22.39	POSIX - Amendment 5 to Portable Operating System Interface (POSIX) - Part 1: System API	**IS 9945-1/PDAM 5**	15	Convener	06/95	08/96			N1125 is NWI summary N1843 is WD N2210 is PDAM reg ballot N2347 is SoV N2601 is DoC N2648 is PDAM ballot JTC 1 N6567 grants one year extension to proceed to next stage

Project	Title	Ref. No.	WG	Proj. Editor	WD	CD	DIS	IS	Note
22.40	POSIX - Amendment 8 to Portable Operating System Interface (POSIX) - Part 1: System API	**IS 9945-1/PDAM 8**	15	Need Editor	06/96	08/98			N1126 is NWI summary N2159 is WD N2404 is PDAM reg. Ballot N2489 is SoV N2599 is DoC N2817 is PDAM ballot N2875 is SoV N3038 is FPDAM ballot N3085 is SoV JTC 1 N6567 grants one year extension to proceed to next stage
22.41	POSIX - Amendment 2 to IS 9945-2, POSIX - Part 2: Shell and Utility Security Administration	**IS 9945-2/ FPDAM 2**	15	Need editor	11/94	7/95			N1737 is WD N1896 is draft CD N2054 is CD reg. Ballot N2156 is SoV N2971 is DoC N2972 is PDAM ballot N3047 is SoV N 3208 approves extension of time permitted between CD and DIS stages JTC 1 N6567 grants one year extension to proceed to next stage
22.15287.01	POSIX Supercomputing Application Environment Profiles	**FPDISP 15287-1**	15	J. Oblinger USA					N2723 Revised is FPDISP Blt N2724 is Explanatory Report N2859 is SoV JTC 1 N6567 grants one year extension to proceed to next stage
22.15879	Distributed Software Administration DCE-RPC Interoperability (XDSA/DCE)	**DIS 15879**	15				02/98		Fast-track - Open Group (PAS) N2659 is ITTF Table of Replies JTC 1 N6567 grants one year extension to proceed to next stage

Project	Title	Ref. No.	WG	Proj. Editor	WD	CD	DIS	IS	Note
22.12	Industrial Realtime Fortran	IS 7846							Published (1985) Withdrawn in 1996
22.10.02	Ada Numeric Packages	IS 11430	09	K. Dritz USA					Published (1994) Withdrawn 2000-09-28
22.10.03	Ada Primitive Functions	IS 11729	09	K. Dritz USA					Published (1994) Withdrawn 2000-09-28
22.15435	APIs for Internationalization	**NP 15435**	20	K. Simonsen Denmark					Withdrawn per JTC 1 N6756 and Kona Resolution 01-26
22.15436	Interfacing Modula-2 to C	**NP 15436**	13	Convenor					Cancelled per JTC 1 N6567 and Kona Resolution 01-03
22.21.03.01	POSIX System Administration (Umbrella Work Item)		15						Withdrawn per JTC 1 N6567 and Kona Resolution 01-14
22.21.01.03.03	POSIX - Amendment 4 to Portable Operating System Interface (POSIX) - Part 1: System API	**IS 9945-1/PDAM 4**	15						Withdrawn per JTC 1 N6567 and Kona Resolution 01-14
22.15287.02.01	Amendment 1 to ISP 15287-2:2000 - Embedded Systems Profile	PDAM 1 to 15287-2	15						Approval for addition to PoW contained in N3208 Cancelled
22.15287.02.02	Amendment 2 to ISP 15287-2:2000 - Extended Profiles	PDAM 2 to 15287-2	15						Approval for addition to PoW contained in N3208 Cancelled
22.15287.02.01	Amendment 1 to ISP 15287-2:2000 - Embedded Systems Profile	PDAM 1 to 15287-2	15						Approval for addition to PoW contained in N3208 Cancelled
22.15287.02.02	Amendment 2 to ISP 15287-2:2000 - Extended Profiles	PDAM 2 to 15287-2	15						Approval for addition to PoW contained in N3208 Cancelled
22.09.02	Character Repertoire for APL	PDAM 1 to IS 8485: 1989	03	L. Dickey Canada					N3067 is PDAM reg ballot N3094 is SoV N3532 is FPDAM ballot N3575 is SoV CANCELLED

Project	Title	Ref. No.	WG	Proj. Editor	WD	CD	DIS	IS	Note
22.18011	POSIX Realtime Distributed Systems API (Language Independent) (C Language & Ada Language)	NP 18011	15	P. Place USA					NWI did not originate in SC22 N2861 is JTC 1 SoV on NWI Conc. Reg and CD ballots approved by N3013 (Res. 99-15) CANCELLED
22.24.02	Character Repertoire for Extended APL	**IS 13751/ PDAM 1**	03	Convenor	(04/97)				N3082 is PDAM reg. Ballot N3095 is SoV N3532 is FPDAM ballot N3575 is SoV CANCELLED