

SC 22 Programme of Work (N3291)
Updated 2001-08-20

Project	Title	Ref. No.	WG	Proj. Editor	WD	CD	DIS	IS	Note
22.01.01	Programming language COBOL Defect Reports 1-55 Defect Reports 56-61 Defect Reports 62-81	ISO 1989 N1604 N1634 N2310	04	Convenor					Published (1985)
22.01.03	Amendment 1 to ISO 1989 - Intrinsic Functions	ISO 1989/ Amd. 1	04	A. Bennett USA					Published (1989)
22.01.04	Amendment 2 to ISO 1989 - Correction and clarification	ISO 1989/ Amd. 2	04	A. Bennett USA					Published (1994)
22.01.07	Revision of ISO 1989:1985	FCD 1989	04	D. Nelson USA	(03/95)	(09/96) (09/99 2nd)	(11/97) (04/00)	(08/98) (08/00)	N1811 is prelim WD N2260 is CD Reg & ballot N2383 is SoV N2616 is DoC N3204 is FCD ballot N3239 is SoV
22.01.07.01	Object finalization for programming language COBOL (Type 2 TR)	PDTR 19755	04	W. Takagi					Approval for addition to PoW contained in N3208 New ISO/IEC designation assigned by JTC 1 Secretariat
22.02.01.01	Programming language Fortran, Part 1 Revision of ISO 1539-1:1997	IS 1539-1 WD 1539-1	05	R. Maine USA	(08/00)	(02/02)			Published (1997) Revision approved by N2574 (Res. 97-3) COR 1 published (2001-06-01)
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)

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22.02.02	Fortran - Part 2: Varying length character strings	IS 1539-2	05	J. Reid UK					Published (2000)
22.02.03	Fortran - Part 3: Conditional compilation	IS 1539-3	05	D. Epstein USA					Published (1999) Corrected and reprinted 2000-12-15
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)
22.08	Programming Language Pascal	IS 7185		T. Hetherington UK					Published (1990) Confirmed in 2000 (N3218)
22.09.01	Programming Language APL	IS 8485	03	L. Dickey Canada					Published (1989)
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
22.10.01	Ada	IS 8652	09	E. Ploedereder Germany & R. Brukardt USA					Published (1995) Confirmed in 2000 (N3218) COR 1 published (2001-06-01) Project sub. Request (N3241) closes 2001-09-01
22.10.02	Ada Numeric Packages	IS 11430	09	K. Dritz USA					Published (1994) Withdrawn 2000-09-28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

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22.10.04	Ada Complex Functions	IS 13813	09	D. Sando & K. Dritz USA					Published (1998)
22.10.05	Generic Package of Complex Elementary Functions in Ada	IS 13814	09	J. Squire & K. Dritz USA					Published (1998)
22.11	Programming Language Full Basic Technical Info Bulletin 1	IS 10279		T. Kurtz USA					Published (1991)
22.12	Industrial Realtime Fortran	IS 7846							Published (1985) Recommended for withdrawal
22.13	Guidelines for the Preparation of Programming Language Standards (Third edition)	TR 10176	20	A. Winkler USA					Published (2001)
22.14	Binding Techniques for Prog Languages	TR 10182	11	D. Nelson USA					Published (1993)
22.15.01	Guidelines for Preparation of Conformity Clauses	TR 10034							Published (1990)
22.15.02	Test Methods for Programming Language Processors	TR 9547							Published (1988)
22.16	Language-Independent Procedure Calling	IS 13886	11	Convenor					Published (1996) JTC 1 approved per N6491. Request sent to ITTF to make publicly available.
22.17	Language-Independent Datatypes	IS 11404	11	E. Barkmeyer USA					Published (1996)
22.18.01	Programming Language Modula-2 Base language	IS 10514-1	13	C. Pronk Netherlands					Published (1996)
22.18.02	Object-Oriented Extensions to Modula- 2	IS 10514-3	13	A. Wiedemann Germany					Published (1998)

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22.18.04	Generics in Modula-2	IS 10514-2	13	R. Sutcliffe Canada					Published (1998)
22.19	Programming Language Extended Pascal	IS 10206		T. Hetherington UK					Published (1991)
22.20.01	Programming Language C	IS 9899	14	Convenor					Published (1999)
22.21.01.03.03	Amendment 4 to Portable Operating System Interface (POSIX) - Part 1: System API	IS 9945-1/PDAM 4	15	S. Walli USA	10/95	08/96	08/97		
22.21.02.01	POSIX Shell and Utilities Defect Reports 01-147	IS 9945-2 N2689	15	S. Walli USA					Published (1993) N2689 is Published record of responses
22.21.02.03	Amendment 1 on Batch Services Portability Extensions	IS 9945-2/PDAM 1	15	N. Aaronson USA	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
22.21.03.01	POSIX System Administration (Umbrella Work Item)		15	M. Kirk USA					
22.21.03.04	POSIX System Administration Software Administration	IS 15068-2	15	J. Ashford USA					Published (1999)
22.21.03.05	POSIX System Administration User Administration	DIS 15068-3	15	M. Kirk UK	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
22.21.04.01	POSIX C Binding	IS 9945-1	15	S. Walli USA					Published (1996)

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22.21.04.01.0 1	Revision of IS 9945-1:1996	FCD 9945-1	15	M. Gonzalez Spain	11/96	03/97			Subdivision approved in N2301 (res 96-13) N2329 is PDAM reg ballot N2443 is SoV N2678 is PDAM approval ballot N2781 is SoV N3037 is DoC N3042 is FPDAM ballot N3086 is SoV N3161 is Concurrent CD Reg. and FCD Approval Ballot for the revision of ISO/IEC 9945-1 N3202 is SoV N3232 is 2nd FCD ballot (closing 2001-009-15)
22.21.04.02	POSIX Ada Binding, Part 1 Defect Reports 1-10	IS 14519 N2591	15	T. Baker USA					Published (1999)
22.21.04.02	Revision of IS 14519:1999	DIS 14519	15	T. Baker USA					N3212 is ToR Sent 01-02-23 to ITTF for pub. and is currently undergoing pub.
22.22.01	Prolog General Core	IS 13211-1	17	Convenor					Published (1995) Confirmed in 2000 (N3218)
22.22.02	Prolog Modules	IS 13211-2	17	J. Hodgson USA					Published (2000)
22.23	Programming Language Lisp	IS 13816	16	K. Pitman USA					Published (1997)
22.24.01	Programming Language Extended APL	IS 13751	03	Convenor					Published (2001)
22.24.02	Character Repertoire for Extended APL	IS 13751/ PDAM 1	03	Convenor	(04/97)				N3082 is PDAM reg. Ballot N3095 is SoV
22.28	Language Independent Arithmetic	IS 10967-1	11	K. Karlsson Sweden					Published (1995)

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22.29.01	Vienna Development Method/ Specification Language, Part 1: Base Language	IS 13817-1	19	D. Andrews UK					Published (1996)
22.30.01	Framework for Internationalization	TR 11017	20						Published (1998)
22.30.02.01	Functionality for Internationalization (Umbrella Project)		20						
22.30.02.02	International String Ordering and Comparison - Method for Comparing Character Strings and Description of a Common Tailorable Ordering Template	IS 14651	20	A. LaBonte Canada					Published (2001)
22.30.02.02. 01	Amendment 1 to IS 14651	IS 14651/ PDAM 1	20	A. LaBonte Canada					Approval for addition to PoW contained in N3208 N3242 is concurrent PDAM reg PDAM ballot closing 2001-09-01
22.30.02.03	Functionality for Internationalization Specification Method for Cultural Conventions	DTR 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)

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22.32	Programming Language C++	IS 14882	21	A. Koenig USA					Published (1998)
22.33	Elementary Numerical Functions	FDIS 10967-2	11	K. Karlsson Sweden	10/93	06/95	11/95 02/97 (2nd) 10/98 (3rd)		N3183 is DoC on FCD N3184 is FDIS text FDIS approved (N3237) ITTF will proceed with pub.
22.34	Complex Floating Point Arithmetic and Complex Elementary Numeric Functions	NP 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
22.35	Ada Extensions and User Run Time Executive Interface	TR 11735	09	N. Kettani France					Published (1996)
22.36	Amendment 1 to ISO 10279:1991	IS 10279/ Amd. 1							Published (1994)
22.37	Test Methods for Measuring Conformance to POSIX	IS 13210	15	B. Hedquist USA					Published (1999)
22.38	Guide to POSIX Open Systems Environments	TR 14252	15	D. Folland UK					Published (1996)
22.39	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

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22.40	Amendment 8 to Portable Operating System Interface (POSIX) - Part 1: System API	IS 9945-1/PDAM 8	15	S. Walli USA	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
22.41	Amendment 2 to IS 9945-2, POSIX - Part 2: Shell and Utility Security Administration	IS 9945-2/FPDAM 2	15	S. Walli USA	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
22.45	Z Notation	FCD 13568	19	I. Toyn UK			02/96 09/98 (FCD) 11/00 (2nd FCD)		N1339 is NWI summary New title approved 9/95 Resolution 95-19 N1970 N1982 is CD reg and ballot N2081 is summary of voting N2174 is comts disposition N2982 FCD ballot N4048 SoV N3049 UK coments N3186 is FCD DoC N3187 is 2nd FCD ballot N3224 is SoV
22.46	Guidelines for Preparation of Language Independent Service Specification	TR 14369	11	Convenor					Published (1999)
22.47.1	PCTE, Part 1 PCTE, Part 2 PCTE, Part 3	IS 13719-1 IS 13719-2 IS 13719-3		J. Dawes UK					Published (1998) Published (1998) Published (1998)

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22.47.5	IDL Binding to PCTE	IS 13719-4		J. Dawes UK					Published (1998)
22.9496	Programming Language CHILL	IS 9496							Published (1998)
22.11756	Programming Language MUMPS	IS 11756		K. Schell USA					Published (1999)
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/FPDAM 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
22.14515-2	Shell and Utilities Test Methods (TM for 22.21.02.01 and 21.02.02)	DIS 14515-2	15	S. McCarron USA	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
22.14766	Guide for POSIX National Profiles	PDTR 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 (closed 2001-08-15)
22.14977	Syntactic Metalanguage - Extended BNF	IS 14977	19						Published (1996)
22.15145	FORTH Programming Language	IS 15145		J. Rible USA					Published (1997)
22.15287	International Standardized Profiles (Umbrella Project)		15						

Project	Title	Ref. No.	WG	Proj. Editor	WD	CD	DIS	IS	Note
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 vote summary
22.15287.02	Standardized Application Environment Profile -- Part 2: POSIX Realtime Application Support (AEP)	ISP 15287-2	15	J. Oblinger USA					Published (2000)
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
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
22.15291	Ada Semantic Interface Specification	IS 15291	09	S. Blake & C. Roby USA					Published (1999)
22.15435	APIs for Internationalization	NP 15435	20	K. Simonsen Denmark					SC22 approval in N2301 (res 96-18) N2424 is JTC 1 NP approval summary of voting N3208 grants year extension from NP to CD stage
22.15436	Interfacing Modula-2 to C	NP 15436	13	Convenor					NP approval in N2301 (res 96-9) N2420 is JTC 1 NP approval summary of voting N3208 grants year extension from NP to CD stage
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)
22.15879	Distributed Software Administration DCE-RPC Interoperability (XDSA/DCE)	DIS 15879	15	M. Kirk Open Group			02/98		Fast-track - Open Group (PAS) N2659 is ITTF Table of Replies

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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
22.15942	Guidance for Use of Ada In High Integrity Systems (Type 3 TR)	TR 15942	09	B. Wichmann UK					Published (2000)
22.16262	ECMAScript: A General Purpose Cross Platform Programming Language	IS 16262 DIS 16262		M. Cowlishaw ECMA					Published (1998) Currently being revised by Fast Track. N 3188 contains ToR from ITTF.
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)
22.18011	POSIX Realtime Distributed Systems API (Language Independent) (C Language & Ada Language)	DIS 10811	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)
22.18015	C++ Performance (Type 3 TR)	PDTR 18015	21	M. O'Riordan Ireland					N2831 is NP for SC 22 ballot N2891 is SoV N2952 is JTC 1 SoV on NP
22.18037	C Extensions to Support Embedded Processors	NP 18037	14						N3039 is NP for SC 22 N3083 is SoV JTC 1 N6089 is NP Ballot N3120 is JTC 1 SoV N3269 is PDTR Reg. Ballot, closing 2001-10-26
22.20970	J-Consortium: JEFF file format specification	DIS 20970	TBD	J Consortium					PAS Fast Track Ballot close date: 2001-11-10