



ISO/TC97/SC22  
Programming Languages  
Secretariat: CANADA (SCC)

ISO/TC97/SC22

August 1986

# N232

TITLE: ISO/TC97/SC22 Project Information

SOURCE: ISO/TC97/SC22 Secretariat

WORK ITEM: All SC22 work items

STATUS: Nes, supersedes document 97/22 N193

CROSS REFERENCE: N/A

DOCUMENT TYPE: Information Document

**ACTION:** This document has been submitted to TC97 for input to the TC97 Database of projects. It is circulated to SC22 Member Bodies for information. Working Group Convenors are requested to review this document and to forward corrections and updates to the SC22 Secretariat no later than October 15, 1986.

---

Address reply to: ISO/TC97/SC22 Secretariat  
J.L. Côté, 140 O'Connor St., 10th Floor  
Ottawa, Ont., Canada K1A 0R5  
Telephone: (613)957-2496 Telex: 053-3336

TC97 DATABASE

ISO/TC97/SC22

PROJECT INFORMATION

1. Designation and Title of Subcommittee

SC22, Languages

Area of Work:

1. Standardization of Languages in the field of information processing systems and applications excluding specialized languages that have been explicitly assigned to the program of work of another Sub-Committee or Technical Committee.
2. In the area of information processing, standardization of cross-language facilities.

2. Secretariat

SCC

3. Chairman

Kearney, R.  
Vice-President - Systems  
Bell Canada  
Bell Trinity Square  
10th Floor, South Tower  
Toronto, Ontario  
M5G 2E1

Telephone: (416) 581-3604

4. Working Groups

WG2: PASCAL

Secretariat: BSI

Convenor: Wichmann, B.  
National Physical Laboratory  
Division of Information Technology and Computing  
Teddington  
Middlesex TW11 DLW  
United Kingdom

Telephone: +44 1977 3222

WG3: APL

Secretariat: SCC

Convenor: Dickey, L.  
Dept. of Pure Mathematics  
University of Waterloo  
Waterloo, Ontario  
Canada N2L 3G1

Telephone: (519) 888-4076

WG4: COBOL

Secretariat: ANSI

Convenor: Vickers, M.  
National Bureau of Standards  
Building 225, Room A265  
Washington, D.C. 20234

Telephone: (301) 921-2431  
Telex: 89-8493

WG5: FORTRAN

Secretariat ANSI

Convenor: Martin J.  
Lawrence Livermore National Laboratory  
L-300  
Livermore, California 94550

Telephone: (415) 422-3753

WG6: ALGOL

Secretariat: NNI

Convenor: Van Wingen, J.  
Postbus 486  
2300 Al Leiden  
The Netherlands

Telephone: (071) 148333, extension 5003  
Telex: 39058 ASTRO NL

WG8: BASIC

Secretariat ECMA

Convenor: Leroy, B  
Bull  
68 route de Versailles  
78430 Louveciennes  
France

Telephone: 33-1-39025269

WG9: Ada

Secretariat: ANSI

Convenor: Castor V.  
Ada Joint Program Office  
Room C-107  
1211 S. Fern St.  
Arlington Virginia  
USA 22202

Telephone:

WG10: Guidelines for the Preparation of Standards Within  
SC22

Secretariat: BSI

Convenor: Meek, B.  
Computer Unit  
Queen Elizabeth College  
Campden Hill Road  
London W87 AH  
United Kingdom

Telephone: 01 937-5411, extension 432

WG11: Binding Techniques for Languages

Secretariat: ANSI

Convenor: Nelson, D. (interim)  
Tandem Computer Inc.  
MS 100-05  
10555 Ridge View Court  
Cupertino California  
USA 95014

Telephone: (408) 996-6340

WG12: Language Conformity and Validation

Secretariat: AFNOR

Convenor: Sidi, J.  
BNI  
BP 105  
F-78153  
Le Chesnay Cedex  
France

Telephone: 33-1-39552535

WG13: Modula 2  
Secretariat: BSI  
Convenor: Souter, J. (interim)  
Certification and Assessment Services  
BSI  
P.O. Box 375  
Milton Keynes MK14 6LL  
Telephone: 09 08 315555  
WG14 C  
Secretariat: ANSI  
Convenor: Hersee, S.  
Lattice Inc.  
22W-600 Butterfield Rd.  
Glen Ellyn, Il.  
USA 60136

Project Editors:

Dr. J. Klensin - projects 97-22-05, 97-22-06 (PL/I)

5. Projects

Note: For project stage definition, please refer to the list attached as Annex 1.

Work Item 22.01.01 - Review of Programming Language COBOL (ISO 1989-1978)

| Stage | Target Date | Actual Date |
|-------|-------------|-------------|
| 03.01 |             | 85-01-10    |
| 03.02 |             | 85-07-11    |
| 03.05 |             | 85-08       |
| 03.06 | 85-11       | 85-10-11    |
| 04.00 | 85-11       | 85-11-27    |
| 05.00 | 86-05       |             |

Working Group: 4

Secretariat: ANSI

Convenor: M. Vickers

Current Reference Documents:

Current ISO/CS Registered Document: ISO 1989

Work Item 22.01.02 - Addenda for COBOL Database Facility

| Stage | Target Date | Actual Date |
|-------|-------------|-------------|
| 00.03 |             | 85-01-15    |
| 00.04 |             | 85-03-22    |
| 01.00 |             | 85-04-12    |
| 01.02 | 85-12       |             |
| 02.00 | 86-06       |             |
| 03.00 | 87-01       |             |
| 04.00 | 87-06       |             |
| 05.00 | 87-09       |             |

Working Group: 4

Secretariat: ANSI

Convenor: M. Vickers

Current Reference Documents: 97/22 N223

Current ISO/CS Registered Document:

Work Item 22.01.03 - Language Extensions for COBOL - ISO 1989

| Stage | Target Date | Actual Date |
|-------|-------------|-------------|
| 00.03 |             | 85-01-15    |
| 00.04 |             | 85-03-22    |
| 01.00 |             | 85-04-12    |
| 01.02 | 87-06       |             |
| 02.00 | 88-06       |             |
| 03.00 | 89-06       |             |
| 04.00 | 90-01       |             |
| 05.00 | 90-03       |             |

Working Group: 4

Secretariat: ANSI

Convenor: M. Vickers

Current Reference Documents:

Current ISO/CS Registered Document:

Work Item 22.02 - Programming Language FORTRAN (Revision of ISO 1539-1980)

| Stage | Target Date | Actual Date |
|-------|-------------|-------------|
| 02.00 | 86-06       |             |
| 03.00 | 87-01       |             |
| 04.00 | 88-06       |             |
| 05.00 | 88-11       |             |

Working Group: 5

Secretariat: ANSI

Convenor: J. Martin

Current Reference Documents:

Current ISO/CS Registered Document: ISO 1539-1980

Work Item 22.03 - Hardware Representation of ALGOL - Basic Symbols  
(Revision of ISO/TR 1672-1977)

| Stage | Target Date | Actual Date |
|-------|-------------|-------------|
| 01.02 | 85-12       |             |

Working Group: 6

Secretariat: NNI

Convenor: J. Van Wingen

Current Reference Documents: 97/22 N214

Current ISO/CS Registered Document: ISO/TR1672-1977

Work Item 22.04 - Programming Languages - ALGOL 60 (Revision of  
of ISO/R 1538)

| Stage | Target Date | Actual Date |
|-------|-------------|-------------|
| 05.00 |             | 84-10-15    |

Working Group: 6

Secretariat: NNI

Convenor: J. Van Wingen

Current Reference Documents:

Current ISO/CS Registered Document: ISO 1538

Work Item 22.05 - Programming Language - PL/I (Revision of ISO  
6160-1979)

| Stage | Target Date | Actual Date |
|-------|-------------|-------------|
| 02.00 | 86-06       |             |
| 03.00 | 87-08       |             |
| 04.00 | 88-10       |             |
| 05.00 | 89-02       |             |

Project Editor: J. Klensin

Current Reference Documents:

Current ISO/CS Registered Document: ISO 6160-1979

Work Item 22.06 - Programming Languages - PL/I - General Purpose  
Subset (Revision of ISO 6522-1985)

| Stage | Target Date | Actual Date |
|-------|-------------|-------------|
| 02.00 | 86-11-15    |             |
| 02.01 | 86-12-01    |             |
| 02.02 | 87-03-06    |             |
| 03.00 | 87-06-15    |             |
| 03.01 | 87-07-15    |             |
| 03.02 | 88-01-15    |             |
| 04.00 | 88-07-01    |             |
| 05.00 | 88-10-01    |             |

Project Editor: J. Klensin

Current Reference Documents: 97/22 N224

Current ISO/CS Registered Document: ISO 6522-1985

Work Item 22.07 - Programming Language - Minimal BASIC

| Stage | Target Date | Actual Date |
|-------|-------------|-------------|
| 05.00 |             | 84-03-15    |

Working Group: 8

Secretariat: ECMA

Convenor: B. Leroy

Current Reference Documents:

Current ISO/CS Registered Document: ISO 6373-1984

Work Item 22.08 - Programming Language - PASCAL

| Stage | Target Date | Actual Date |
|-------|-------------|-------------|
| 05.00 |             | 83-12-15    |

Working Group: 2

Secretariat: BSI

Convenor: B. Wichmann

Current Reference Documents:

Current ISO/CS Registered Document: ISO 7185-1983



Work Item 22.09 - Programming Languages - APL

| Stage | Target Date | Actual Date |
|-------|-------------|-------------|
| 02.01 |             | 83-11-28    |
| 02.02 |             | 84-02-27    |
| 02.03 |             | 85-05-15    |
| 02.04 |             | 85-08-15    |
| 02.07 | 85-08-30    | 85-10-09    |
| 02.08 | 86-03       | 86-05-30    |
| 03.00 | 86-06       | 86-06-27    |
| 03.01 | 86-10-01    |             |
| 03.02 | 87-03-15    |             |
| 03.05 | 87-03-27    |             |
| 03.06 | 87-06-01    |             |
| 04.00 | 87-08-15    |             |
| 05.00 | 87-10-15    |             |

Working Group: 3

Secretariat: SCC

Convenor: L. Dickey

Current Reference Documents: 97/22 N221

Current ISO/CS Registered Document: DP 8485

Work Item 22.10 - Programming Language - Ada

| Stage | Target Date | Actual Date |
|-------|-------------|-------------|
| 02.01 |             | 85-01-15    |
| 02.02 |             | 85-04-15    |
| 02.07 |             | 85-04-29    |
| 02.08 |             | 85-05-28    |
| 03.00 |             | 85-08-30    |
| 03.01 | 85-10       | 86-01-23    |
| 03.02 | 86-09-23    |             |
| 03.05 | 86-10-30    |             |
| 03.06 | 86-12-01    |             |
| 04.00 | 87-01-01    |             |
| 05.00 | 87-02-28    |             |

Working Group: 9

Secretariat: ANSI

Convenor: V. Castor

Current Reference Documents: 97/5 N759

Current ISO/CS Registered Document: DIS 8652

Work Item 22.11 - Programming Language - BASIC

| Stage | Target Date | Actual Date |
|-------|-------------|-------------|
| 02.00 | 86-09       |             |
| 03.00 | 88-07       |             |
| 04.00 | 89-03       |             |
| 05.00 | 89-06       |             |

Working Group: 8

Secretariat: ECMA

Convenor: B. Leroy

Current Reference Documents: 97/5 N586

Current ISO/CS Registered Document:

Work Item 22.12 - Industrial Real-time FORTRAN - Application for the Control of Industrial Processes

| Stage | Target Date | Actual Date |
|-------|-------------|-------------|
| 04.01 | 85-07       |             |
| 05.00 | 85-09       | 85-09-15    |

Current Reference Documents:

Current ISO/CS Registered Document: ISO 7846

Work Item 22.13 - Guidelines for the Preparation of Programming Language Standards

| Stage | Target Date | Actual Date |
|-------|-------------|-------------|
| 00.05 |             |             |
| 00.06 |             | 84-02-13    |
| 01.00 |             | 84-05-07    |
| 01.01 | 85-09       | 85-09       |
| 01.02 | 86-10       |             |
| 01-03 | 87-01       |             |

Working Group: 10

Secretariat: BSI

Convenor: B. Meek

Current Reference Documents: 97/22 N225

Current ISO/CS Registered Document:

Work Item 22.14 - Binding Techniques for Programming Languages

| Stage | Target Date | Actual Date |
|-------|-------------|-------------|
| 00.05 |             | 84-02-13    |
| 00.06 |             | 84-05-07    |
| 01.00 |             | 84-08       |
| 01.02 | 86-05-15    |             |
| 01.03 | 86-08-30    |             |
| 01.04 | 86-11-01    |             |
| 01.05 | 87-02-01    |             |

Working Group: 11

Secretariat: ANSI

Convenor: D. Nelson

Current Reference Documents: 97 N1316

Current ISO/CS Registered Document:

Work Item 22.15.01 - Conformity Requirements and Testing

Part 1: Guidelines for the preparation of conformity clauses in programming language standards.

Guidelines for the preparation of programming language process or specifications to facilitate conformity testing.

| Stage | Target Date | Actual Date |
|-------|-------------|-------------|
| 00.05 |             | 85-04-10    |
| 00.06 |             | 85-07-31    |
| 01.00 | 85-08       |             |
| 01.02 | 86-06       |             |
| 01.03 | 86-09       |             |
| 01.04 | 86-10       |             |
| 01.05 | 87-01       |             |
| 02.00 | 86-12-30    |             |
| 02.01 | 87-01-15    |             |
| 02.02 | 87-04-15    |             |
| 02.07 | 87-05-15    |             |
| 02.08 | 87-07-01    |             |
| 03.00 | 87-12-01    |             |
| 03.01 | 88-02-01    |             |
| 03.02 | 88-08-01    |             |
| 03.05 | 88-09-01    |             |
| 03.06 | 88-10-01    |             |
| 04.00 | 88-12-01    |             |
| 05.00 | 89-02-15    |             |

Work Item 22.15.02 - Test methods for programming language processing: guidelines for their development and procedures for their approval.

| Stage | Target Date | Actual Date |
|-------|-------------|-------------|
| 00.05 |             | 85-04-10    |
| 00.06 |             | 85-07-31    |
| 01.00 | 85-08       |             |
| 01.04 | 86-04-01    |             |
| 01.05 | 86-07-01    |             |
| 02.00 | 86-07-30    |             |
| 02.01 | 86-08-15    |             |
| 02.02 | 86-10-15    |             |
| 02.07 | 86-11-15    |             |
| 02.08 | 87-02-30    |             |
| 03.00 | 87-07-01    |             |
| 03.01 | 87-08-15    |             |
| 03.02 | 88-02-15    |             |
| 03.05 | 88-03-20    |             |
| 03-06 | 88-06-30    |             |
| 04.00 | 88-08-15    |             |
| 05.00 | 88-11-30    |             |

Working Group: 12

Secretariat: AFNOR

Convenor: J. Sidi

Current Reference Documents: 97/22N219

Current ISO/CS Registered Document:

Work Item 22.16 - Specification for a Model for Common Language-Independent, Procedure Calling Mechanisms

| Stage | Target Date | Actual Date |
|-------|-------------|-------------|
| 00.03 |             | 85-04-30    |
| 00.04 |             | 85-07-01    |
| 00.05 | 85-09-15    | 85-10-17    |
| 00.06 | 85-11-15    | 86-01-20    |
| 01.00 | 86-03-01    | 86-03       |

Working Group: 11

Secretariat: ANSI

Convenor: D. Nelson

Current Reference Documents: 97/22 N058, N211, 97 N1572

Current ISO/CS Registered Documents

Work Item 22.17 - Specification for a Set of Common  
Language-Independent Data Types

| Stage | Target Date | Actual Date |
|-------|-------------|-------------|
| 00.03 |             | 85-04-30    |
| 00.04 |             | 85-07-01    |
| 00.05 | 85-09-15    | 85-10-17    |
| 00.06 | 85-11-15    | 86-01-30    |
| 01.00 | 86-03-01    | 86-03       |

Working Group: 11

Secretariat: ANSI

Convenor: D. Nelson

Current Reference Documents: 97/22 N058, N212, 97 NI573

Current ISO/CS Registered Document:

Work Item 22.18 - Specification for Computer Programming Language  
Modula 2

| Stage | Target Date | Actual Date |
|-------|-------------|-------------|
| 00.03 |             | 1985-07-15  |
| 00.04 |             | 1985-10-15  |
| 00.05 |             | 1986-01-07  |
| 00.06 | 86-04-18    | 1986-04-18  |
| 01.00 | 86-06-01    | 1986-04-23  |

Working Group: 13

Secretariat: BSI

Convenor: J. Souter (interim)

Current Reference Documents: 97/22 N076, N116, N204 97 N1602

Current ISO/CS Registered Document:

Work Item 22.19 - Extended PASCAL Specification for the Computer  
Programming Language

| Stage | Target Date | Actual Date |
|-------|-------------|-------------|
| 00.03 |             | 85-08-16    |
| 00.04 | 85-10-18    | 85-10-18    |
| 00.05 | 85-11-15    | 86-01-07    |
| 00.06 | 86-01-15    | 86-04-18    |
| 01.00 | 86-06-01    | 86-04-23    |
| 01.04 | 86-12-30    |             |

Working Group: 2

Convenor: B. Wichmann

Current Reference Documents: 97/22 N083, N205, 97 N1603

Current ISO/CS Registered Document:

Work Item 22.20 - Specification for the Programming Language - C

| Stage | Target Date | Actual Date |
|-------|-------------|-------------|
| 00.05 |             | 86-01-17    |
| 00.06 | 86-04-18    | 86-04-18    |
| 01.00 | 86-06-01    | 86-04-23    |
| 01.02 | 86-10-15    |             |
| 01.03 | 87-01-15    |             |
| 02.00 | 87-03-01    |             |
| 02.01 | 87-03-30    |             |
| 02.02 | 87-06-30    |             |
| 03.00 | 87-10-01    |             |
| 04.00 | 88-08-01    |             |
| 05.00 | 88-10-15    |             |

Working Group: 14

Secretariat: ANSI

Convenor: S. Hersee

Current Reference Documents: 97/22 N123R, N169 (res 46), N206  
97 N1604

Current ISO/CS Registered Document:

Current Reference Document: 97 N1594

Mtg. Schedule

|              |                   |                  |
|--------------|-------------------|------------------|
| WG14-C       | Sept. 8-12, 1986  | Chicago, US      |
|              | June 8-12, 1987   | Paris, France    |
| WG5-Fortran  | Aug. 3-7, 1987    | Liverpool, U.K.  |
| WG-12        | Nov. 5, 7, 1986   | Vienna, Austria  |
| SC22 AG      | Nov. 11-13, 1986  | Vienna, Austria  |
| SC22 Plenary | September, 1987   | Washington, D.C. |
| WG4          | April 27/29, 1987 | Nice, France     |
|              | April 25/27, 1988 | New York, US     |
| WG8          | Jan. 28/30, 1987  | Boca Raton, US   |
| WG9          | November 1986     |                  |
| WG2          | Oct. 15/17, 1986  | Minneapolis, US  |
|              | April 27/29, 1987 | Teeside, UK      |