NCITS SUBGROUP L2 ANNUAL REPORT

Covering the Period from June 1998 through June 1999
Title of NCITS Subgroup L2: Codes and Character Sets

1999-06-22

0. Informal Description of Work:

NCITS/L2 is the US-TAG for codes and character sets (JTC 1/SC 2) and for internationalization
(JTC 1/SC 22/WG 20). Both subjects are essential for the development of internationally usable systems and
applications. These are particularly important in today's marketplace with Web access and international electronic
commerce.

1. Executive Summary

The number of L2 members is presently 13. We attribute this strong interest to the growing application of Unicode / ISO
10646 by many companies, on the World Wide Web, and the fact that L2 has taken on the responsibility as TAG for
SC22/WG20 - Internationalization. L2 works very closely with the Unicode® Consortium - all technical meetings are co-
located.

The work on ISO 10646-1 has two aspects at this time. One is the continuing addition of scripts and characters to the
Basic Multilingual Plane, the other is the development of an architecture for the additional planes and subsequent
allocation of scripts to them. For both projects, the US is contributing substantially.

And finally, the work on internationalization includes contributions to and reviews of draft standards and technical
reports, such as the international string ordering standard, the specification of cultural conventions, and
internationalization APIs.

L2 conducted a substantial number of ballots in 1998-99 (see below).

L2 meets about 3 times per year, in line with the SC2 meetings. Co-location with the Unicode Technical Committee
meetings is economical because most of the members of L2 are also members of the Unicode Consortium. The increased
use of electronic mail and Web distribution of documents and ballots makes 3-day meetings feasible. L2 has switched
almost totally to electronic document distribution via our web site, including sets of 20 zipped documents for faster
downloading. Paper documents are still needed for newly proposed scripts which can rarely be transmitted due to
limitations of available fonts.

L2 has consistently voted for minority script projects - the JTC1 requirement for at least 5 supporting countries for new
projects would otherwise prevent SC2/WG2 from doing its work.

2. Projects

Status June 15, 1999

Project	NCITS/ANSI	Title	International Standard	International Project
4 - L		Control Codes for 7-Bit and 8-Bit Sets	IS 6429:1992	02.14
6 - L		Graphic Representation of the Control Characters of the American National Code for Info. Interchange	IS 2047:1975	N/A
12 - M	X3.4:1986 [R1992] [R1997]	Information Processing--Coded Character Sets--7-Bit American National Standard Code for Information Interchange (7-bit ASCII)	IS 646:1991	02.01
13 - M	X3.83:1995	USA Sponsorship Procedures for ISO Registration According to ISO 2375	IS 2375:1985	02.04
103 - L		Hollerith Punched Card Code	IS 6586:1980	02.15
105 - L		Code Extension Techniques for Use with the 7-Bit Coded Character Set for the ANS Code for Information Interchange	IS 2022:1994	02.02
106 - L		USA Candidates for Registry	N/A	N/A
107 - L		Perforated Tape Code for Information Interchange	IS 1113:1979	02.12

240 - L		Coding of Character Sets for OCR & MICR	IS 2033:1983	02.09
304 - L		Hexadecimal Input/Output to Microprocessors Using 5-Bit and 7-Bit Teleprinters	IS 6936:1988	N/A
392 - M	A/I 8859-1:1992	Part x: Latin Alphabet No. x (8-Bit ASCII) (Revision and Redesignation of X3.134.2)	IS 8859-x:1987	02.20.0x
396 - D		Multiple Byte Graphic Character Set for Processing and Interchange	IS 10646-1:1993	02.18
473 - L		Guidelines for the preparation of programming language standards	TR 10176	22.13
495 - M	A/I 4873:1991 [1993]	8-bit code for information interchange - structure and rules for implementation (Revision and Redisignation of X3.134.1:199x)	IS 4873:1991	N/A
880 - L		Framework for Internationalization	TR 11017	22.30.01
1037 - L		Implementation of the the 7-bit coded character set and its 7-bit and 8-bit extensions on 9- track 12,7 mm (0.5 in) magnetic tape	IS 962:1974	N/A
1038 - L		Implementation of the 7- bit coded character set and its 7- bit and 8- bit extensions on 3,81 mm magnetic cassette for data interchange	IS 3275:1974	N/A
1039 - L		Information technology - Coded graphic character set for text communication (revision of parts 1 & 2) - Latin alphabet	IS 6937:1994	02.14.01/02
1040 - L		Information processing - Arabic 7- bit coded character set for information interchange	IS 9036:1987	02.19
1041 - L		Information technology - Standardized coded graphic character sets for use in 8-bit codes	IS 10367:1991	02.22
1042 - L		Information technology - control functions for text communication	IS 10538:1991	02.14.03
1141 - L		Operational Model for Characters and Glyphs	TR 15285	02.15285
1241 - L		Functionality for Internationalization	Umbrella	22.30.02.01
1241 - L (1307 - L)		International string ordering	FCD 14651	22.30.02.02
1241 - L (1244 - L)		Information Technology - Specification Method for Cultural Conventions	FCD 14652	22.30.02.03
1241 - L		Internationalization API standard	WD 15435	22.15435
1275 - L		Procedures for European registration of cultural elements (ENV 12005)	IS 15897	22.15897
1279 - L		OCR-B, shapes and dimensions of the printed image	ISO 1073-2	02.26
1313 - L		ISO/IEC 10646 Part 2	WD 10646-2	02.18.200
1359 - M	A/I 7350:1991	Registration of repertoires of graphic characters from ISO 10367	IS 7350:1991	02.16

Together with NCITS we made a few changes to the projects to reflect the I18N work better. The SC22/WG20 umbrella project "Functionality for internationalization (22.30.02.01)" was assigned project number 1241, the subprojects 22.30.02.02 (IS 14651), 22.30.02.03 (IS 14652), and 22.15435 (IS 15435) will be reported under the same number 1241.

The distinction between L and M projects is not clear any more, due to the adoption of ISO standards as ANSI. Since this distinction does not provide valuable information, I will not use it in this report.

I have intentionally NOT included the documents in this report, except where they are publications. For a list of all L2 documents since the last report please see Annex A of this report.

4-L   Control Codes for 7-Bit and 8-Bit Sets

   a.   Project Number and Title

          4-L   Control Codes for 7-Bit and 8-Bit Sets

b. Original, previous (if any) and current target date for initial public view (milestone 4), reflected in month and year

N/A

c. Project Description

Liaison project for ISO/IEC 6429:1992

d. Publication During Past Year (Reference ID-Title-Brief Description)

e. Statement of Progress and current Status

N/A

6-L   **Graphic representation of the control characters of ASCII**

a. Project Number and Title

6-L   Graphic Representation of the Control Characters of the American National Code for Information Interchange

b. Original, previous (if any) and current target date for initial public view (milestone 4), reflected in month and year

N/A

c. Project Description

Liaison project for ISO 2047:1975

d. Publication During Past Year (Reference ID-Title-Brief Description)

e. Statement of Progress and current Status

N/A

12-M   **Information Processing—Coded Character Sets—7-Bit American National Standard Code for Information Interchange (7-bit ASCII) [SPARC/83-542]**

a. Project Number and Title

12-M   Information Processing—Coded Character Sets—7-Bit American National Standard Code for Information Interchange (7-bit ASCII)

b. Original, previous (if any) and current target date for initial public view (milestone 4), reflected in month and year

N/A

c. Project Description

Maintain X3.4

d. Publication During Past Year (Reference ID-Title-Brief Description)

e. Statement of Progress and current Status

The standard was re-confirmed in 1997. L2 recommends to declare this standard "stabilized" and never touch it again.

13-M   **USA Sponsorship Procedures for ISO Registration According to ISO 2375**

L2 recommended to withdraw standard X3-83 and make it a L2 standing document.
The international standard ISO 2375 is currently being updated, a working draft exists. The US is considering sending a representative to the registration advisory group.

103-L   **Hollerith Punched Card Code**
(The U.S. standard X3.26:1980 was withdrawn)

No activity in this liaison project for the ISO standard

105-L   **Code Extension Techniques for Use with the 7-Bit Coded Character Set for the ANS Code for Information Interchange -- [SPARC/83-393]**

a.   Project Number and Title

105-L   Code Extension Techniques for Use with the 7-Bit Coded Character Set for the ANS Code for Information Interchange

b.   Original, previous (if any) and current target date for initial public view (milestone 4), reflected in month and year

N/A

c.   Project Description

Liaison project for ISO/IEC 2022

d.   Publication During Past Year (Reference ID-Title-Brief Description)

L2/98-305   Change in registration authority
L2/99-153   Notice of publication

e.   Statement of Progress and current Status

Technical Corrigendum #1 to change the registration authority has been accepted and published.

106-L   USA Candidates for Registry

L2 recommends the use of "collections" of ISO 10646 instead of registrations according to 2375.

107-L   Perforated Tape Code for Information Interchange

No activity at this liaison project.

240-L   Coding of Character Sets for OCR & MICR

a.   Project Number and Title

240-L   Coding of Character Sets for OCR & MICR

b.   Original, previous (if any) and current target date for initial public view (milestone 4), reflected in month and year

N/A

c.   Project Description

Liaison project for ISO 2033 and ISO 1073

d.   Publication During Past Year (Reference ID-Title-Brief Description)

e.   Statement of Progress and current Status

ISO 1073 will be updated to contain the euro character and made into a Technical Report.
NIST and ECMA maintained the reference drawings for the graphic shapes of OCR-B characters. The SC2 secretariat in Japan has taken responsibility for the drawings.

304-L   Hexadecimal Input/Output to Microprocessors Using 5-Bit and 7-Bit Teleprinters [SPARC/77-93]

No activity in this liaison project for ISO 6936

392-M   8-Bit Single-Byte Coded Character Sets

a.   Project Number and Title

392-M   8-Bit Single-Byte Coded Character Sets

b.   Original, previous (if any) and current target date for initial public view (milestone 4), reflected in month and year

ISO/IEC 8859-16 - Latin 10 for Romania is in development

c.   Project Description

Maintenance of ANSI/ISO 8859 and liaison for all ISO/IEC 8859-x standards

d.   Publication During Past Year (Reference ID-Title-Brief Description)

ISO/IEC 8859 Part 1: Latin Alphabet No. 1
ISO/IEC 8859 Part 2: Latin Alphabet No. 2
ISO/IEC 8859 Part 3: Latin Alphabet No. 3

ISO/IEC 8859 Part 4: Latin Alphabet No. 4
ISO/IEC 8859 Part 5: Latin/Cyrillic alphabet
ISO/IEC 8859 Part 6: Latin/Arabic alphabet
ISO/IEC 8859 Part 8: Latin/Hebrew alphabet
ISO/IEC 8859 Part 9: Latin Alphabet No. 5
ISO/IEC 8859 Part 10: Latin Alphabet No. 6
ISO/IEC 8859 Part 13: Latin Alphabet No. 7 (Baltic Rim)
ISO/IEC 8859 Part 14: Latin Alphabet No. 8 (Celtic)
ISO/IEC 8859 Part 15 - Latin Alphabet No. 9 (with the euro)

e.   Statement of Progress and current Status

The character names of all 8859-x standards have been aligned with ISO 10646 names. They have been re-confirmed.

396-D   Multiple Byte Graphic Character Set for Processing and Interchange [SPARC/83-545]

a.   Project Number and Title

396-D   Multiple Byte Graphic Character Set for Processing and Interchange

b.   Original, previous (if any) and current target date for initial public view (milestone 4), reflected in month and year

N/A

c.   Project Description

Development of ISO/IEC 10646. This includes the addition of new scripts and characters to the BMP (Basic Multilingual Plane) as well as the development of an architecture and roadmap for planes beyond the BMP.

d.   Publication During Past Year (Reference ID-Title-Brief Description)

SC2 N3326   ISO/IEC 10646 Amendment 23: Bopomofo Extended and other characters
SC2 N3229   ISO/IEC 10646 Amendment 20: Ogham
SC2 N3228   ISO/IEC 10646 Amendment 19: Runic
SC2 N3218   ISO/IEC 10646 Amendment 16: Braille Patterns
SC2 N3217   ISO/IEC 10646 Amendment 13: CJK unified ideographs with supplementary sources
SC2 N3206   ISO/IEC 10646 Amendment 10: Ethiopic
SC2 N3167   ISO/IEC 10646-1, Amendment #12 - Cherokee
SC2 N3149   ISO/IEC 10646-1, Amendment #11 - Canadian Aboriginal Syllabics
SC2 N3147   ISO/IEC 10646-1, technical corrigendum #2

e.   Statement of Progress and current Status

The BMP is getting full, work has started for architecture and roadmap for additional planes of ISO 10646. Current plan is to assign plane 1 to additional non-ideographic scripts, while planes 2 and 3 will hold ideographic characters. Plane 14 has been designated for identifiers. The next revision of ISO 10646 BMP will be published in 2000.

Because of the large number of characters involved, it is important that the U.S. participates in all meetings of the IRG, the Ideographic Rapporteur Group, where proposals for extensions to the Unified Repertoire and Ordering for ideographic characters and architectural issues are prepared.

L2's good relationship with the Unicode consortium allows us to submit combined proposals for new scripts. L2 and the Consortium make great efforts to ensure that ISO 10646 and the Unicode Standard stay synchronized. Unicode character property tables are being used in internationalization projects such as sorting.

List of Amendments to ISO 10646
 1: UTF-16
 2: UTF-8
 3: Coding of C1 Controls
 4: Removal of Annex G: UTF-1
 5: Korean Hangul Character Collection
 6: Tibetan Character Collection

  7: 33 Additional Characters (Hebrew, Long S, Dong)

  8: New informative annex on CJK Ideographs

  9: Identifiers for characters

10: Ethiopic

11: Unified Canadian Aboriginal Syllabics

12: Cherokee

13: Internal and horizontal ideographic supplementation

14: Yi Character set

15: (Kangxi) Radicals and (Hangzhou) Numerals

16: Braille Patterns

17: CJK Unified Ideograph Extensions

18: "Symbols and other" FPDAM bucket (Romanian, Armenian, Arabic, Yogh, symbols, Euro)

19: Runic

20: Ogham

21: Sinhala

22: PDAM bucket (keyboard symbols)

23: Bopomofo

24: Thaana

25: Khmer

26: Burmese

27: Syriac

28: Ideographic description characters

29: Mongolian

30: Additional Latin and other characters

31: Tibetan Extensions

473-L   TR 10176 - Guidelines for the preparation of programming language standards

a. Project Number and Title

    473-L   TR 10176 - Guidelines for the preparation of programming language standards

b. Original, previous (if any) and current target date for initial public view (milestone 4), reflected in month and year

    N/A

c. Project Description

    Liaison project to SC22/WG20 - Update of TR 10176 to include internationalization and handling of ISO/IEC 10646 data in programming languages

d. Publication During Past Year (Reference ID-Title-Brief Description)

    ISO/IEC TR 10176 - Guide for programming language standardization
    L2/98-382   Amendment #1 to TR 10176 (Annex A correction)

e. Statement of Progress and current Status

    The project is completed, the TR has been published by ITTF

    Work on a new amendment has started to correct Annex A (list of characters for identifiers) - this is necessary due to the rapid approval of new scripts in ISO 10646.

495-M   8-Bit ASCII - Structures and Rules [X3/84-1080]

a. Project Number and Title

    495-M   8-Bit ASCII - Structures and Rules [X3/84-1080]

b. Original, previous (if any) and current target date for initial public view (milestone 4), reflected in month and year

    N/A

c.   Project Description

Maintain ANSI/ISO 4873

d.   Publication During Past Year (Reference ID-Title-Brief Description)

e.   Statement of Progress and current Status

ANSI/ISO 4873 was re-confirmed

880-L   **TR 11017 - Framework for internationalization**

a.   Project Number and Title

880-L   TR 11017 - Framework for internationalization

b.   Original, previous (if any) and current target date for initial public view (milestone 4), reflected in month and year

N/A

c.   Project Description

Liaison project to SC22/WG20 - Produce a framework document to outline subsequent work on standards and TRs for internationalization of programming languages and application programs.

d.   Publication During Past Year (Reference ID-Title-Brief Description)

e.   Statement of Progress and current Status

The project is completed and the document has been published by ITTF

1037-L   **Implementation of the 7-bit coded set of its 7-bit and 8-bit extensions on 9-track 12,7 mm (0.5") magnetic tape**

No activity at this liaison project to ISO 962

1038-L   **Implementation of the 7-bit coded set of its 7-bit and 8-bit extensions on 3,81 mm magnetic cassette for information interchange**

No activity at this liaison project to ISO 3275

1039-L   **Coded graphic character set for text communication (revision of parts 1 & 2) Latin alphabet**

a.   Project Number and Title

1039-L   Coded graphic character set for text communication (revision of parts 1 & 2) Latin alphabet

b.   Original, previous (if any) and current target date for initial public view (milestone 4), reflected in month and year

N/A

c.   Project Description

Liaison for ISO/IEC 6937:1994

d.   Publication During Past Year (Reference ID-Title-Brief Description)

e.   Statement of Progress and current Status

Updates to ISO 6937 to include the euro are in ballot. Will most likely be approved.

1040-L   **Arabic coded character set for information interchange**

a.   Project Number and Title

1040-L   Arabic coded character set for information interchange

b.   Original, previous (if any) and current target date for initial public view (milestone 4), reflected in month and year

N/A

c.   Project Description

Liaison for ISO/IEC 9036

d.   Publication During Past Year (Reference ID-Title-Brief Description)

e.   Statement of Progress and current Status

N/A

1041-L   Standardized coded graphic character set for use in 8-bit codes

a.   Project Number and Title

1041-L   Standardized coded graphic character set for use in 8-bit codes

b.   Original, previous (if any) and current target date for initial public view (milestone 4), reflected in month and year

N/A

c.   Project Description

Liaison for ISO/IEC 10367

d.   Publication During Past Year (Reference ID-Title-Brief Description)

e.   Statement of Progress and current Status

Now that all 8859-x standards are revised, ISO 10367 will have to be revised also to reflect the correct character names.

1042-L   Control functions for text communication

a.   Project Number and Title

1042-L   Control functions for text communication

b.   Original, previous (if any) and current target date for initial public view (milestone 4), reflected in month and year

N/A

c.   Project Description

Liaison for ISO/IEC 10538

d.   Publication During Past Year (Reference ID-Title-Brief Description)

e.   Statement of Progress and current Status

This standard is up for re-confirmation in 1999.

1141-L   ISO TR 15285, An operational model for characters and glyphs

a.   Project Number and Title

1141-L   ISO/IEC TR 15285, An operational model for characters and glyphs

b.   Original, previous (if any) and current target date for initial public view (milestone 4), reflected in month and year

Final publication June 1998

c.   Project Description

Liaison project for TR 15285. Main contribution was developed by L2 and V1, the U.S. also provides the editing team.

d.   Publication During Past Year (Reference ID-Title-Brief Description)

TR 15285 has been published

e.   Statement of Progress and current Status

The project is completed, the TR has been published

1241   Functionality for internationalization (SC22/WG20 project 22.30.02)

a. Project Number and Title

This is an umbrella project for various standards for internationalization, all subprojects are now reported under this number

b. Original, previous (if any) and current target date for initial public view (milestone 4), reflected in month and year

N/A

c. Project Description

no specific description

d. Publication During Past Year (Reference ID-Title-Brief Description)

e. Statement of Progress and current Status

Three projects are under way (see details later in this report):
IS 14651 - International string ordering
IS 14652 - Specification method for cultural conventions
IS 15435 - Internationalization APIs

1241 - L   [1307 - L] - IS 14651 - International string ordering

a. Project Number and Title

1241 - L (formerly 1307-L)   International string ordering

b. Original, previous (if any) and current target date for initial public view (milestone 4), reflected in month and year

N/A

c. Project Description

Produce an international standard for culturally correct ordering and comparison of strings encoded in ISO 10646.

d. Publication During Past Year (Reference ID-Title-Brief Description)

L2/98-381   Text for 2nd FCD ballot for IS 14651 - international string ordering

e. Statement of Progress and current Status

The 2nd FCD ballot closed in April 1999. The editor has prepared a disposition of comments and a new 3rd FCD for ballot. Major technical changes were requested such as the elimination of APIs from the standard, the use of BNF for specification of rules and the synchronization with the Unicode collation algorithm in terms of predictable output. FDIS ballot is expected for 2000.
It is important to ensure that the ordering standards from various sources (Unicode, WG20, CEN TC304) generate the same predictable results, even if the methods employed are different.

1241 - L   IS 15435 - Internationalization API standard

a. Project Number and Title

1241-L   Internationalization APIs

b. Original, previous (if any) and current target date for initial public view (milestone 4), reflected in month and year

N/A

c. Project Description

A liaison project to specify APIs to access the services defined in the cultural specification standard.

d. Publication During Past Year (Reference ID-Title-Brief Description)

L2/99-005   Working draft #2 for ISO/IEC 15435 - Internationalization API

e. Statement of Progress and current Status

The project is currently planned for FCD ballot in autumn of 1999.

1241 - L   **[1244 - L] - IS 14652 - Specification method for Cultural Conventions**

   a.   Project Number and Title

      1241 - L (formerly 1244 - L)   Specification method for cultural conventions

   b.   Original, previous (if any) and current target date for initial public view (milestone 4), reflected in month and year

      N/A

   c.   Project Description

      Liaison to a project producing a standard, how to specify cultural conventions such as formats of date, time, currency, etc. The dual currency requirement for the euro is one additional part of this standard.

   d.   Publication During Past Year (Reference ID-Title-Brief Description)

      L2/99-006   Text for FCD ballot of ISO/IEC 14652 - Specification method for cultural conventions

   e.   Statement of Progress and current Status

      The project has gone through a 2nd FCD ballot, a disposition of comments has been developed by the editor. WG20 has decided to make this project a TR instead of an IS.

1275 - L   **IS 15897 - Procedures for European registration of cultural elements (ENV 12005)**

   a.   Project Number and Title

      1275-L   Procedure for European registration of cultural elements (ENV 12005)

   b.   Original, previous (if any) and current target date for initial public view (milestone 4), reflected in month and year

      N/A

   c.   Project Description

      Maintenance of IS 15897 was assigned to WG20.

   d.   Publication During Past Year (Reference ID-Title-Brief Description)

      L2/98-380   Final Text for IS 15897 - Registry for cultural elements

   e.   Statement of Progress and current Status

      EN 12005 has been accepted in a fast track ballot as ISO/IEC 15897. Maintenance work is assigned to WG20 but has not yet begun.

1279-M   **ISO 1073-2: Character set OCR-B, shapes and dimensions of the printed image**

   a.   Project Number and Title

      1279-M   ISO 1073-2: OCR-B, shapes and dimensions of the printed image

   b.   Original, previous (if any) and current target date for initial public view (milestone 4), reflected in month and year

      N/A

   c.   Project Description

      Liaison project for ISO 1073-2

   d.   Publication During Past Year (Reference ID-Title-Brief Description)

      L2/98-396   Proposal for TR 15907 - Revision of OCR-B (ISO 1073/II-1976)

   e.   Statement of Progress and current Status

      SC2/WG3 decided to make it a Technical Report

1313 - L   **ISO/IEC 10646 Part 2**

   a.   Project Number and Title

      1313-L   ISO/IEC 10646 Part 2

b.	Original, previous (if any) and current target date for initial public view (milestone 4), reflected in month and year

N/A

c.	Project Description

Architecture and code point assignments for planes outside the BMP of ISO 10646

d.	Publication During Past Year (Reference ID-Title-Brief Description)

L2/99-124	ISO/IEC WD 10646-2 - Secondary multilingual plane for scripts and symbols, CJK supplementary (for comments by NBs)

e.	Statement of Progress and current Status

The first draft for ISO/IEC 10646-2 has been sent to the NBs with a request for comments. Many scripts have been submitted for coding in this second part of ISO 10646.

**1359-M	Registration of repertoires of graphic characters from ISO/IEC 10367:1991**

a.	Project Number and Title

1359-M	Registration of repertoires of graphic characters from ISO/IEC 10367:1991

b.	Original, previous (if any) and current target date for initial public view (milestone 4), reflected in month and year

N/A

c.	Project Description

Liaison project for ISO 10367

d.	Publication During Past Year (Reference ID-Title-Brief Description)

e.	Statement of Progress and current Status

N/A

New projects:

Character model (when NP is approved by JTC1)

8859-16 - Romanian is proposed, the US is against it.

3. Committee Activities

a. Previous Year's Meetings (Dates and Locations)

# 174	July 13-15, 1998	Seattle, WA (Microsoft)
# 175	December 2-4, 1998	San Jose, CA (Novell)
# 176	February 3-5, 1999	Palo Alto, CA (HP)
# 177	June 8-11, 1999	Redmond, WA (Microsoft)

b. Next Year's Planned Meetings (Dates and Locations)

# 178	October 26-29, 1999	Mission Viejo, CA (Unisys)
# 179	February 2000	San Jose (IBM)
# 180	June/July 2000	Boston (Progress Software)

c. Officers

Chair	Arnold F. Winkler
Vice-Chair	Joan Aliprand until June 1999, succeeded by Lisa Moore
International Representative	Michel Suignard, please re-confirm for second term
Vocabulary	open

d. Membership

Status: June 22, 1999

L2 has presently 14 members: Apple Computer, Inc.; Compaq; Hewlett-Packard Company; IBM Corporation; Microsoft Corporation; Oracle Corporation; Progress Software Corporation; The Research Library Group, Inc.; Reuters, Ltd.; SHARE, Inc.; Sun Microsystems, Sybase, Inc.; Unicode Inc., and Unisys Corporation.

Please find a contact list of L2 members and liaisons as a supplement at the end of this report.

e. Liaison Activities

Liaison Representatives to L2:

	Committee	Representative
AFII	Association for Font Information Interchange	Asmus Freytag
FCC	Federal Communications Commission	D. Campbell
NISO (Z39)	National Information Standards Organization	S. McCallum
NCITS	NCITS Operational Management Committee	David Thewlis
X3J4	COBOL	A. Wallace
X3V1	Text: Office and Publishing Systems	(open)

Liaison Representatives from L2:

	Committee	Representative
AFII	Association for Font Information Interchange	Asmus Freytag
JTC1/SC2	Character Sets and Information Coding	M. Suignard
SC2/WG2	Universal Coded Character Set	M. Suignard
SC2/WG3	7-bit and 8-bit Codes	M. Suignard
X3J11	C Language	(open)
X3K5	Vocabulary	(open)
X3V1	Text: Office and Publishing Systems	(open)
NISO (Z39)	National Information Standards Organization	J. Aliprand
WG2/IRG	Ideographic Rapporteur Group	J. Jenkins

f. Administrative Matters of Note

L2 thanks NCITS for agreeing to lessen the administrative burden of TCs by

- establishing the "stabilized" standards category which needs no re-affirmation (now let's carry that to ISO)
- ensuring that amendments to ISO standards, that have been adopted by ANSI, are adopted administratively as amendments to the ANSI standard.
- synchronizing the re-confirmation of ISO standards with the reconfirmation of the adopted ANSI standard
- combining the votes for FDIS with the adoption of the standard by ANSI

L2 welcomes David Thewlis as the liaison from NCITS to L2.

Lisa Moore (IBM) has been appointed vice-chair of L2.

g. Procedural Matters of Note (when applicable)

None.

h. Recommendations

- L2 encourages NCITS to make the electronic balloting available for TCs.
- L2 would like to see the NCITS process of "stabilized" standards carried to ISO.

4. Anticipated Projects

L2 anticipates continued maintenance work on ISO 8859 and ISO 10646, as well as re-affirmation ballots for older standards. Significant additional work results from the internationalization standards for sorting, specification of cultural conventions, and the Internationalization APIs.
New internationalization projects will address character properties.

5. Future Trends in Area of Standardization

ISO 10646 is used increasingly in WWW and Internet standards as the logical character set for world wide use.
L2 is concerned about the proliferation of 8-bit standards, especially with the requirement to accommodate the euro.
Without proper character set tagging of data, the integrity of data bases is severely endangered.

6. Attachments:

Attachment 1 Committee Projects: X3/SD-4

See list of projects in 2. above.

Attachment 2 Internal Procedures

L2 has no internal procedures

Attachment 3 Financial Statement

L2 does not collect nor disburse money

7. Supplement

List of L2 members and liaisons

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Annex A - List of L2 - documents since the annual report in 1998

Doc. #	Subject	Source	Date	Project
L2/98-205	Agenda for combined UTC/L2 technical meeting in July 1998	Aliprand	98-05-26	admin
L2/98-206	Agenda for NCITS/L2 meeting July 1998	Winkler	98-07-29	admin
L2/98-207	void (was Tibetan8 from Everson)			
L2/98-208	Additional Latin characters for the UCS	Everson, SC2/WG2 N1741	98-05-25	396-D
L2/98-209	Additional API characters for the UCS	Everson, SC2/WG2 N1742	98-05-25	396-D
L2/98-210	Additional Greek characters for the UCS	Everson, SC2/WG2 N1743	98-05-25	396-D
L2/98-211	Additional Cyrillic characters for the UCS	Everson, SC2/WG2 N1744	98-05-25	396-D
L2/98-212	Additional Math characters for the UCS	Everson, SC2/WG2 N1745	98-05-25	396-D
L2/98-213	Additional combining characters for the UCS	Everson, SC2/WG2 N1746	98-05-25	396-D
L2/98-214	Contraction characters for the UCS	Everson, SC2/WG2 N1747	98-05-25	396-D
L2/98-215	Additional signature mark characters for the UCS	Everson, SC2/WG2 N1748	98-05-25	396-D
L2/98-216	Additional Hebrew cantillation characters for the UCS	Everson, SC2/WG2 N1749	98-05-25	396-D
L2/98-217	Proposal for encoding the Philippine script in the BMP of ISO/IEC 10646	Everson SC2/WG2 N1755	98-05-25	396-D
L2/98-218	Proposal for Tibetan extensions to the UCS	Everson and others SC2/WG2 N1756	98-05-25	396-D
L2/98-219	Encoding the Tifinagh script	Everson, SC2/WG2 N1757	98-05-25	396-D
L2/98-220	On encoding the Old Hungarian rovásírás in the UCS	Everson, SC2/WG2 N1758	98-05-25	396-D
L2/98-221	Ballot for FDIS 8859-15: Latin-9 (with euro)	Winkler	98-05-29	392-M
L2/98-222	Text for FDIS ballot of ISO 8859-15: Latin-9	SC2 N3091	98-05-21	392-M
L2/98-223	Minutes of L2 meeting in Redmond, July 1998 (see 98-280)	Winkler		admin
L2/98-224	Resolutions from the SC22/WG20 meeting in Dublin, June 1998	SC22/WG20 N564	98-06-19	admin
L2/98-225	Alternative to 32 graphic characters in columns 8&9 of ISO/IEC 2022	Paterson TC304	98-05-17	392-M
L2/98-226	Ballot for registration # 207 - Irish Gaelic in 7-bit	Winkler	98-07-01	admin
L2/98-227	Text for registration # 207 - Irish Gaelic in 7-bit	SC2 N3113	98-06-09	12 - M
L2/98-228	Ballot for registration # 208 - Ogham	Winkler	98-07-01	admin
L2/98-229	Text for registration # 208 - Ogham	SC2 N3114	98-06-09	392-M
L2/98-230	Ballot for registration # 209 - Sami supplementary Latin set no. 2	Winkler	98-07-01	admin
L2/98-231	Text for registration # 209 - Sami supplementary Latin set no. 2	SC2 N3115 Everson	98-06-09	392-M
L2/98-232	Proposed modification of SC2 program of work	JTC1 N5295	98-06-23	396-D
L2/98-233	Contribution from the Netherlands on the functioning of JTC1/SC2	JTC1 N5449	98-06-24	admin
L2/98-234	Ballot table for registrations # 212 through # 225	Winkler	98-07-06	admin
L2/98-235	Application for Registration No.212, Extension of the Latin alphabet coded character set for	NB Ireland SC2 N3125	1998-07-06	392-M

Doc. #	Subject	Source	Date	Project
	bibliographic interchange			
L2/98-236	Application for Registration No.213, Supplementary minor European and obsolete typographical Latin set	NB Ireland SC2 N3126	1998-07-06	392-M
L2/98-237	Application for Registration No.214, Extension of the Cyrillic alphabet coded character set for bibliographic information interchange	NB Ireland SC2 N3127	1998-07-06	392-M
L2/98-238	Application for Registration No.215, Greek alphabet coded character set for bibliographic information interchange	NB Ireland SC2 N3128	1998-07-06	392-M
L2/98-239	Application for Registration No.216, Extended African Latin alphabet coded character set for bibliographic information interchange	NB Ireland SC2 N3129	1998-07-06	392-M
L2/98-240	Application for Registration No.217, Mathematical coded character set for bibliographic information interchange, part 1	NB Ireland SC2 N3130	1998-07-06	392-M
L2/98-241	Application for Registration No.218, Mathematical coded character set for bibliographic information interchange, part 2	NB Ireland SC2 3131	1998-07-06	392-M
L2/98-242	Application for Registration No.219, Hebrew alphabet coded character set for bibliographic information interchange, part 1	NB Ireland SC2 N3132	1998-07-06	392-M
L2/98-243	Application for Registration No.220,Hebrew alphabet coded character set for bibliographic information interchange, part 2	NB Ireland SC2 N3133	1998-07-06	392-M
L2/98-244	Application for Registration No.221, Armenian alphabet coded character set for bibliographic information interchange	NB Ireland SC2 N3134	1998-07-06	392-M
L2/98-245	Application for Registration No.222, Georgian alphabet coded character set for bibliographic information interchange	NB Ireland SC2 N3135	1998-07-06	392-M
L2/98-246	Application for Registration No.223, Extended non-Slavic Cyrillic alphabet coded character set for bibliographic information interchange	NB Ireland SC2 N3136	1998-07-06	392-M
L2/98-247	Application for Registration No.224, Extension of the Arabic alphabet coded character set for bibliographic information interchange	NB Ireland SC2 N3137	1998-07-06	392-M
L2/98-248	Application for Registration No.225, Extension of the Latin alphabet coded character set for bibliographic interchange	NB Ireland SC2 N3138	1998-07-06	392-M
L2/98-249	Working Draft #1 for the revision of ISO/IEC 6937	Simonsen	98-03-31	1039-L
	mailing after Redmond - August 31, 1998			
L2/98-250	UnicodeData-2.1.4 differences from 2.1.2	Ken Whistler	98-07-17	396-D
L2/98-251	Reply to "Proposal WG2 N1734" Raised at the Seattle Meeting Regarding "Proposal WG 2 N1711"	China	98-04-30	396-D
L2/98-252	Feedback on Ken Whistler's Comments on Mongolian Encoding: N 1734	Richard Moore	98-05-04	396-D
L2/98-253	Application for Registration No. 210, Sami complete 8-bit character set no. 1	NB of Sweden SC2 N3140	98-07-14	392-M
L2/98-254	Application for Registration No. 211, Sami complete 8-bit character set no. 2	NB of Sweden SC2 N3141	98-07-14	392-M
L2/98-255	The Syllabary of Shaykh Bakri Sapalo	Shaykh Bakri Sapalo	98-07-20	396-D
L2/98-256	Requirements for String Identity Matching and String Indexing	W3C, Martin J. Dürst	98-07-10	1307-L
L2/98-257R	EBCDIC-friendly UCS transformation format - UTF-8-EBCDIC (Revision)	Umamaheswaran	98-09-01	396-D

Doc. #	Subject	Source	Date	Project
L2/98-258	Proposal to add 10 Kildin Sámi Cyrillic characters to ISO 10646	Trosterud, Everson	98-06-09	396-D
L2/98-259	Final Report of the CHASE Project [upon request]	Randall Barry	January 1997	396-D
L2/98-260	Report on IRG meeting #11	Ng, Kung	98-05-26	admin
L2/98-261	Proposal to encode CROSS ACCENT in ISO/IEC 10646	Mattais Ellert	98-05-21	396-D
L2/98-262	Miscellaneous BiDi feedback comments	Davis, Goldsmith, Rosenne	98-04-23	Bidi
L2/98-263	Titlecase mappings for GREEK SYMBOLs	Cowan	98-02-03	396-D
L2/98-264	Syllable break character	Davis		
L2/98-265	Response to Burmese Proposal N1729 (Expert Contribution)	Zaw Htut	98-07-24	396-D
L2/98-266	Proposal for a character to indicate absence of word breaking	Freytag		
L2/98-267	LineBreaking properties (revised)	Freytag	98-07-28	396-D
L2/98-268	Position paper on Mongolian by Ken Whistler	Whistler	98-07-26	396-D
L2/98-269	Towards a model of character encoding	Whistler	98-07-28	admin
L2/98-270	Comments on the inline and interlinear annotation proposal	Kobayashi	98-07-29	396-D
L2/98-271	More new property change suggestions	Whistler	98-07-28	396-D
L2/98-272	Mongolian: China's comments to Richard Moore's feedback in L2/98-252	Choijingzhab (China)	98-07-27	396-D
L2/98-273	Glyph variants	Murray Sargent	98-07-28	396-D
L2/98-274	Proposed Arabic script additions (see L2/98-409)	Davis, Mansour	98-07-28	396-D
L2/98-275	British Library OPAC 92 Special character set	Aliprand	98-07-29	396-D
L2/98-276	Norwegian comments on Cyrillic Sami	Rimma Kuruch	98-07-20	396-D
L2/98-277	Plane 14 Variant tags	Hiura, Kida Kobayashi	98-07-29	1313-L
L2/98-278	Sample pages from "Basic Unified Character Set" (BUCS)	Kobayashi	98-07-30	396-D
L2/98-279	Proposed draft Unicode TR #15 : Unicode Normalization Forms, (revision 5)	Mark Davis	98-07-14	396-D
L2/98-280R	Revised Minutes from the L2 meeting # 175 in Seattle	Winkler	1998-12-04	admin
L2/98-281	Minutes from the UTC/L2 technical meeting in Seattle, July 29-31, 1998	Aliprand		admin
L2/98-282	Samples of Roman Numerals	Everson	98-07-24	396-D
L2/98-283	Draft TR 12 - Support for implementing interlinear annotations (version 0.4)	Freytag	98-05-19	396-D
L2/98-284	Worldwide typography (and how to apply JIS-X-4051-1995 to Unicode)	Suignard	April 1998	396-D
L2/98-285	Comments accompanying the US negative vote on Applications for Registration No. 207 - 225	Aliprand	98-08-14	396-D
L2/98-286	Draft minutes from SC2/WG2 meeting in Redmond, March 16-20, 1998	UMA SC2 N3148	98-07-02	admin
L2/98-287	Summary of voting and comments on PDAM ballot for 10646 Amd. # 14 - Yi	SC2 N3153	98-08-05	396-D
L2/98-288	Summary of voting and comments on PDAM ballot for 10646 Amd. # 21 - Sinhala	SC2 N3124	98-07-02	396-D
L2/98-289	SC2 secretariat report for JTC1 plenary 1998	SC2 N3084	98-04-28	admin

Doc. #	Subject	Source	Date	Project
L2/98-290	Notices of publication for 8859-1:1998 Latin-1 10646-1 Amd.#5 Hangul 8859-4:1998 Latin-4 8859-10:1998 Latin-6 10646-1 Technical corrigendum #2 10646 Amd.#11 Canadian Aboriginal Syllabics	 SC2 N3108 SC2 N3119 SC2 N3145 SC2 N3146 SC2 N3147 SC2 N3149	 98-05-11 98-06-12 98-07-22 98-07-22 98-07-22 98-07-30	admin
L2/98-291	US recommendations regarding procedures for character set registration	L2 and UTC	98-08-25	admin
L2/98-292R	Comments on proposals to add characters to ISO/IEC 10646 from ISO standards developed by ISO/TC 46/SC 4	L2 and UTC	98-09-15	admin
L2/98-293	Comments on proposals to add various characters to ISO/IEC 10646	L2 and UTC	98-08-25	admin
L2/98-294	Report to JTC 1: Work on Electronic Commerce Standardization to be Initiated (web only)	JTC1 N5296	98-06-02	I18N
L2/98-295	Proposal to add the letter MODIFIER LETTER DOUBLE APOSTROPHE in the BMP	Everson	98-08-10	396-D
L2/98-296	Resolutions from the SC22 plenary in Denmark, August 24-27, 1998	SC22 N2806	98-09-01	admin
	mailing before San Jose - November 13, 1998			
L2/98-297	ISO 10646-1.2 (Unicode) and Kanji database (from the IUC in HongKong, April 1996)	Eiji Matsuoka, Tokyo Gakugei University	96-04-19	396-D
L2/98-298	Liaison statement to TC46/SC4 about application for registration of TC46 character sets	Joan Aliprand	98-09-10	admin
L2/98-299	Additional IPA "disturbed speech" characters for the UCS	Everson SC2/WG2 N1845	98-09-08	396-D
L2/98-300	Proposal to encode Ethiopic Extensions in the BMP of ISO/IEC 10646	Everson SC2/WG2 N1846	98-09-11	396-D
L2/98-301	Responses to NCITS/L2 and Unicode Consortium comments on numerous proposals	Everson SC2/WG2 N1847	98-09-12	396-D
L2/98-302	Information about W3C I18N activity related to SC22/WG20	Akio Kido WG20 N601	98-09-18	I18N
L2/98-303	Draft for 2nd FCD 14651 - International string ordering (not distributed in paper)	Alain LaBonté WG20 N602	98-09-21	1307-L
L2/98-304	Ballot text for Technical Corrigendum #1 for ISO/IEC 2022:1994 (change of registration authority)	SC2 N3171	98-09-22	105-L
L2/98-305	Ballot for Technical Corrigendum #1 for ISO/IEC 2022:1994 (change of registration authority)	Winkler	98-09-23	admin
L2/98-306R	Resolutions from SC2/WG2 meeting in London, September 21-25, 1998	WG2 N1904R SC2 N3175R	1998-10-05	admin
L2/98-307	Resolutions from SC2/WG3 meeting in London, September 25, 1998	WG3 N474 SC2 N3176	98-09-25	admin
L2/98-308	Report on offline meeting at the SC22 plenary regarding TR 10176, Annex A	Keld Simonsen Ken Whistler	98-09-29	i18n
L2/98-309	Proposal to encode the "German Penny Symbol" (paper only distribution)	Elmar Dünßer	Sept. 1998	396-D
L2/98-310	Report of the JTC1 planning meeting on CLAUI and agenda for the ad hoc meeting in Paris (98/12/2-4)	Tom Frost, JTC1 N5555, N5556	98-10-02	admin
L2/98-311	Criteria for encoding symbols (future)	Asmus Freytag	1998-10-06	UTC
L2/98-312	Resolutions from SC2/WG2 meeting in London with comments from Ken Whistler	Ken Whistler	98-09-29	396-D
L2/98-313	Conditional Space Proposal (see L2/98-373)	Maurice Bauhahn	98-09-24	396-D
L2/98-314	Disposition of comments to FCD 14652 ballot (only web distribution)	Keld Simonsen	98-10-12	i18n

Doc. #	Subject	Source	Date	Project
L2/98-315	Defect report for TR 10176	Whistler, Moore	98-10-13	i18n

L2/98-316	Notices of publication :
	   – ISO/IEC 10646 Amendment 10: Ethiopic
	   – ISO/IEC 8859-13 : Latin Alphabet No. 7
	   – ISO/IEC 10646 Amendment 13: CJK unified ideographs with supplementary sources
	   – ISO/IEC 10646 Amendment 16: Braille Patterns
		SC2 N3206
		SC2 N3216
		SC2 N3217
		
		SC2 N3218
			1998-10-28
			1998-11-02
			1998-11-02
			
			1998-11-02
				396-D
				392-M
				396-D
				
				396-D

L2/98-317	Combined CD registration and consideration ballot on WD for 10646-1/Amd. 28, Information technology - Universal Multiple-Octet Coded Character Set (UCS) - Part 1: Architecture and Basic Multilingual Plane -- AMENDMENT 28: Ideographic description characters	SC2 N3186 SC2/WG2 N1892 02n3186.pdf	1998-10-22	396-D
L2/98-318	Revised text of 10646-1/FPDAM 18, Universal Multiple-Octet Coded Character set (UCS) -- Part 1: Architecture and Basic Multilingual Plane -- AMENDMENT 18: Symbols and Others	SC2 N3188 SC2/WG2 N1894	1998-10-22	396-D
L2/98-319	Revised text of 10646-1/FPDAM 21, Universal Multiple-Octet Coded Character set (UCS) -- Part 1: Architecture and Basic Multilingual Plane -- AMENDMENT 21: Sinhala	SC2 N3190 SC2/WG2 N1896	1998-10-22	396-D
L2/98-320	ISO/IEC 10646-1/FPDAM 22, Universal Multiple-Octet Coded Character set (UCS) -- Part 1: Architecture and Basic Multilingual Plane -- AMENDMENT 22: Keyboard Symbols	SC2 N3192 SC2/WG2 N1898 02n3192.pdf	1998-10-22	396-D
L2/98-321	Revised text of 10646-1/FPDAM 23, Universal Multiple-Octet Coded Character set (UCS) -- Part 1: Architecture and Basic Multilingual Plane -- AMENDMENT 23: Bopomofo Extended and other characters	SC2 N3194 SC2/WG2 N1905	1998-10-22	396-D
L2/98-322	ISO/IEC 10646-1/FPDAM. 27, Information technology -- Universal Multiple-Octet coded Character Set (UCS) -- Part 1: Architecture and Basic Multilingual Plane -- AMENDMENT 27: Syriac	SC2 N3196 SC2/WG2 N1907 02n3196.pdf	1998-10-22	396-D
L2/98-323	ISO/IEC 10646-1/FPDAM 24, Information technology -- Universal Multiple-Octet coded Character Set (UCS) -- Part 1: Architecture and Basic Multilingual Plane -- AMENDMENT 24: Thaana	SC2 N3198 SC2/WG2 N1909 02n3198.pdf	1998-10-23	396-D
L2/98-324	ISO/IEC 10646-1/FPDAM 25, Information technology -- Universal Multiple-Octet coded Character Set (UCS) -- Part 1: Architecture and Basic Multilingual Plane -- AMENDMENT 25: Khmer	SC2 N3201 SC2/WG2 N1901 02n3201.pdf	1998-10-23	396-D
L2/98-325	ISO/IEC 10646-1/FPDAM 26, Information technology -- Universal Multiple-Octet coded Character Set (UCS) -- Part 1: Architecture and Basic Multilingual Plane -- AMENDMENT 26: Myanmar	SC2 N3203 SC2/WG2 N1903 02n3203.pdf	1998-10-23	396-D
L2/98-326	Subdivision Proposal on JTC 1.02.18.01 for Amendment 29: Mongolian to ISO/IEC 10646-1: Universal Multiple-Octet Coded Character Set (UCS) -- Part 1: Architecture and Basic Multilingual Plane	SC2 N3207 02n3207.htm	1998-10-28	396-D
L2/98-327	Combined PDAM registration and consideration	SC2 N3208	1998-10-28	396-D

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	ballot on WD for ISO/IEC 10646-1/Amd. 29, Universal Multiple-Octet Coded Character Set (UCS) -- Part 1: Architecture and Basic Multilingual Plane -- AMENDEMNT 29: Mongolian	SC2/WG2 N1908 02n3208.pdf		
L2/98-328	Subdivision Proposal on JTC 1.02.18.01 for Amendment 30: Additional Latin and other characters to ISO/IEC 10646-1: Universal Multiple-Octet Coded Character Set (UCS) -- Part 1: Architecture and Basic Multilingual Plane	SC2 N3209 02n3209.htm	1998-10-28	396-D
L2/98-329	Combined PDAM registration and consideration ballot on WD for ISO/IEC 10646-1/Amd. 30, Universal Multiple-Octet Coded Character Set (UCS) -- Part 1: Architecture and Basic Multilingual Plane -- AMENDEMNT 30: Additional Latin and other characters	SC2 N3210 SC2/WG2 N1920 02n3210.pdf	1998-10-28	396-D
L2/98-330	Subdivision Proposal on JTC 1.02.18.01 for Amendment 31: Tibetan Extension to ISO/IEC 10646-1: Universal Multiple-Octet Coded Character Set (UCS) -- Part 1: Architecture and Basic Multilingual Plane	SC2 N3211 SC2/WG2 N1921 02n3211.htm	1998-10-28	396-D
L2/98-331	Combined PDAM registration and consideration ballot on WD for ISO/IEC 10646-1/Amd. 31, Universal Multiple-Octet Coded Character Set (UCS) -- Part 1: Architecture and Basic Multilingual Plane -- AMENDEMNT 31: Tibetan Extension	SC2 N3212 02n3212.pdf SC2/WG2 N1922	1998-10-28	396-D
L2/98-332	Combined PDAM registration and consideration ballot on WD for ISO/IEC 10646-1/Amd. 15, Universal Multiple-Octet Coded Character Set (UCS) -- Part 1: Architecture and Basic Multilingual Plane -- AMENDEMNT 15: Kang Xi radicals and CJK radicals supplement	SC2 N3213 02n3213.pdf SC2/WG2 N1923	1998-10-28	396-D
L2/98-333	ISO/IEC 10646-1/FPDAM 14, Universal Multiple-Octet Coded Character Set (UCS) -- Part 1: Architecture and Basic Multilingual Plane -- AMENDEMNT 14: Yi syllables and Yi radicals	SC2 N3215 02n3215.pdf	1998-11-02	396-D
L2/98-334	Revised Text of ISO/IEC 10646-1/FPDAM 17, Information technology -- Universal Multiple-Octet Coded Character Set (UCS) -- Part 1: Architecture and Basic Multilingual Plane -- AMENDMENT 17: CJK Unified Ideograph Extension A	SC2 N3220 (only paper distribution)	1998-11-02	396-D
L2/98-335	Disposition of comments report on SC2 N3002, ISO 10646 Amd. 18: Symbols and others	SC2 N3187	1998-10-22	396-D
L2/98-336	Disposition of comments report on SC2 N3107, ISO 10646 Amd. 21: Sinhala	SC2 N3189	1998-10-22	396-D
L2/98-337	Disposition of comments report on SC2 N3003, ISO 10646 Amd. 22: Keyboard symbols	SC2 N3191	1998-10-22	396-D
L2/98-338	Disposition of comments report on SC2 N3112, ISO 10646 Amd. 23: Bopomofo extended and other characters	SC2 N3193	1998-10-22	396-D
L2/98-339	Disposition of comments report on SC2 N3107, ISO 10646 Amd. 27: Syriac	SC2 N3195	1998-10-22	396-D
L2/98-340	Disposition of comments report on SC2 N3104, ISO 10646 Amd. 24: Thaana	SC2 N3197	1998-10-23	396-D
L2/98-341	Disposition of comments report on SC2 N3105, ISO 10646 Amd. 25: Khmer	SC2 N3199	1998-10-23	396-D
L2/98-342	Disposition of comments report on SC2 N3106, ISO 10646 Amd. 26: Burmese	SC2 N3202	1998-10-23	396-D

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L2/98-343	Disposition of comments report on SC2 N3083, ISO 10646 Amd. 14: Yi syllables and Yi radicals	SC2 N3214	1998-11-02	396-D
L2/98-344	Table of replies on ISO 10646 Amd 19, FPDAM 19 - Runic	SC2 N3204 SC2/WG2 N1914	1998-10-28	396-D
L2/98-345	Table of replies on ISO 10646 Amd 20, FPDAM 20 - Ogham	SC2 N3205 SC2/WG2 N1915	1998-10-28	396-D
L2/98-346	Review process for the non-Han character tables for the second edition of 10646	AFII	1998-11-02	396-D
L2/98-347	Disposition of comments report on SC2 N3090, ISO 10646 Amd. 17: CJK unified ideograph extension A	SC2 N3219	1998-11-02	396-D
L2/98-348	Prioritization of scripts	Rick McGowan		396-D
L2/98-349	Agenda for UTC/L2 technical meeting - 12/1-4/1998	Aliprand	1998-11-10	admin
L2/98-350	Agenda for L2 meeting - December 4, 1998	Winkler		admin
L2/98-351	Guide to the use of character sets	CEN/TC304	1998-11-09	
L2/98-352	Comments to CEN/TC304's guide to the use of character sets	Ken Whistler	1998-11-09	
L2/98-353	Additional control pictures for Unicode	Frank da Cruz	1998-11-03	396-D
L2/98-354	Terminal Graphics for Unicode	Frank da Cruz	1998-11-03	396-D
L2/98-355	Hex byte pictures for Unicode	Frank da Cruz	1998-11-03	396-D
L2/98-356	The TEXT/PLAIN FORMAT parameter	IETF, R. Gellens	1998-11-02	396-D
L2/98-357	Proposal to add LATIN SMALL/CAPITAL LETTER A WITH DOT ABOVE to the BMP	Mark Davis SC2/WG2 N1838	1998-09-15	396-D
L2/98-358	Addition of Soyombo script to ISO 10646	Mongol & Japan SC2/WG2 N1855	September 1998	396-D
L2/98-359	Addition of the RIAL sign on ISO 10646	Japan SC2/WG2 N1856	September 1998	396-D
L2/98-360	Addition of Tugrik sign on ISO 10646	Japan SC2/WG2 N1857	September 1998	396-D
L2/98-361	Addition of Peso sign on ISO 10646	Japan SC2/WG2 N1858	September 1998	396-D
L2/98-362	Addition of Latin characters Ng and ng on ISO 10646	Philippines & Japan SC2/WG2 N1859	September 1998	396-D
L2/98-363	Reply for action item : Ruby Markers	Sato, WG2 N1861	September 1998	396-D
L2/98-364	Encoding Blissymbols in Plane 1 of the UCS	Everson SC2/WG2 N1866	1998-09-10	396-D
L2/98-365	Report from the IRG editorial meeting #11-1	SC2/WG2 N1867	1998-08-06	396-D
L2/98-366	IRG: Summary of proposed sources for Stage 2 of Plane 2	IRG 11 SC2/WG2 N1868	1998-05-14	396-D
L2/98-367	Proposed replacement text for Annex D in WG2 N1502R (Roadmap)	Umamaheswaran SC2/WG2 N1876	1998-09-20	396-D
L2/98-368	New annex in principles and procedures document (N1502R) : Request for collection Ids	Umamaheswaran SC2/WG2 N1877	1998-09-21	396-D
L2/98-369	Report from the ad hoc meeting on Mongolian in London, Sept. 21-22, 1998	Mongolian ad hoc SC2/WG2 N1878	1998-09-23	396-D
L2/98-370	Registration of the Multilingual European Subsets in ISO 10646	Finland & Ireland SC2/WG2 N1881	1998-09-23	396-D
L2/98-371	Ad-hoc meeting report on Myanmar (Burmese)	SC2/WG2 N1883R2	1998-09-24	396-D
L2/98-372	Additional characters for the UCS (bucket 35)	SC2/WG2 N1884R2	1998-09-24	396-D
L2/98-373	Proposal for CONDITINAL SPACE character	Maurice Bauhahn SC2/WG2 N1886	September 1998	396-D
L2/98-374	Proposal for three symbols	Asmus Freytag SC2/WG2 N1887	1998-09-24	396-D
L2/98-375	Request to include Livonian characters in the UCS	SC2/WG2 N1888	August 98	396-D

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L2/98-376	ISO/IEC CD 6937 - Coded graphic character set for text communication - Latin alphabet	Keld Simonsen SC2/WG3	1998-11-04	1039-L
	mailing after San Jose			
L2/98-377	Minutes from the meeting in Tel Aviv, October 18-22, 1998	SC22/WG20 N597	1998-10-22	i18n
L2/98-378	Resolutions from the meeting in Tel Aviv, October 18-22, 1998	SC22/WG20 N598	1998-10-21	i18n
L2/98-379	Liaison WG20 with Unicode - statement of mutual benefits for letter ballot	SC22/WG20 N599R SC22 N2842	1998-09-15	admin
L2/98-380	Final Text for IS 15897 - Registry for cultural elements	Keld Simonsen SC22/WG20 N610	1998-09-06	1275-L
L2/98-381	Text for 2nd FCD ballot for IS 14651 - international string ordering Common Template Table web access	Alain LaBonté SC22/WG20 N619	1998-11-16	1307-L
L2/98-382	Amendment #1 to TR 10176 (Annex A correction)	WG20 N618	1998-10-21	473-L
L2/98-383	SC35 decision about proposed keyboard registry	SC35 N0017	1998-11-12	i18n
L2/98-384	Letter ballot for subdivision of project 22.13 for an Amendment to TR 10176	SC22 N2846	1998-11-18	473-L
L2/98-385	Letter ballot for concurrent registration and approval of Amendment to TR 10176	SC22 N2847	1998-11-18	473-L
L2/98-386	Logistics for SC2 meetings in Fukuoka, March 1999	SC2 N3223	1998-11-19	admin
L2/98-387	European fallback rules on character repertoire and coding transformation	CEN/TC304 N858	1998-11-02	admin
L2/98-388	European string matching proposal	CEN/TC304 N860	1998-11-16	1307-L
L2/98-389R	Consent docket re WG2 Resolutions at its Meeting #35	Aliprand	1998-11-01	admin
L2/98-390	Changes between UnicodeData-2.1.5.txt and UnicodeData-2.1.8.txt	Ken Whistler	1998-11-20	Unicode
L2/98-391	Identification of CLAUI related areas	France, JTC1 N5608	1998-11-19	i18n
L2/98-392	Draft guidelines to address cultural and linguistic aspects in International Standards	France JTC1 N5609	1998-11-19	i18n
L2/98-393	The BSR: a tool for cultural adaptability	France, JTC1 N5610	1998-11-19	i18n
L2/98-394	Elements of reflection on cultural and linguistic adaptability of products and standards in the field of information and communication technologies	France JTC1 N5611	1998-11-19	i18n
L2/98-395	Draft agenda for SC2 plenary in Fukuoka, March 99	SC2 N3224	1998-11-24	admin
L2/98-396	Proposal for TR 15907 - Revision of OCR-B (ISO 1073/II-1976) [electronic distribution only]	SC2 N3225	1998-11-24	ccs
L2/98-397	Revised proposal - Philippine script	SC2/WG2 N1933	1998-11-23	396-D
L2/98-398	Special Casing, version D4	Mark Davis	1998-12-02	396-D
L2/98-399	Unicode TR #9: The Bidirectional Algorithm (electronic distribution only)	Unicode	1998-10-30	396-D
L2/98-400	Unicode DTR #10: Unicode Collation Algorithm (electronic distribution only)	Unicode	1998-11-30	396-D
L2/98-401	Unicode DTR #11: East Asian Character Width (electronic distribution only)	Unicode	1998-05-19	396-D
L2/98-402	Unicode DTR #13: Unicode Newline Guidelines (electronic distribution only)	Unicode	1998-04-01	396-D
L2/98-403	Unicode DTR #14: Line Breaking Properties (electronic distribution only)	Unicode	1998-07-30	396-D
L2/98-404	Unicode DTR #15: Unicode Normalization Forms (electronic distribution only)	Unicode	1998-11-23	396-D
L2/98-405	Proposal to encode additional mathematical and technical symbols in ISO 10646	Barbara Beeton Patrick Ion	1998-12-01	396-D
L2/98-406	Proposal to encode mathematical variant tags	Murray Sargent	1998-12-01	396-D

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L2/98-407	Line Break Notes	Mark Davis	1998-09-08	396-D
L2/98-408	ISCII Mappings	Mark Davis	1998-12-01	396-D
L2/98-409	Proposal to add 25 Arabic characters to the BMP	Davis, Mansour	1998-12-01	396-D
L2/98-410	Unicode DTR #18: Unicode Regular Expression Guidelines	Unicode		396-D
L2/98-411	Error report for letter like symbol Weierstrass P	Sargent	1998-12-03	UTC
L2/98-412	Discussion paper on Greek Omega with Iota	Davis	1998-12-02	396-D
L2/98-413	Terminal control pictures	Frank da Cruz	1998-11-03	396-D
L2/98-414	Revisit vote to withdraw of X3.4 and X3.83	Ed Hart	1998-12-02	
L2/98-415	Comments on the CJK Radicals Supplement	Jenkins	1998-12-01	396-D
L2/98-416	Support for implementing interlinear annotations	SC2/WG2 N1882	1998-09-23	396-D
L2/98-417	Supplement information for L2/98-415 – Index page of Japanese dictionary	Hiura, Kobayashi	1998-12-04	396-D
L2/98-418	Motions from the L2/UTC technical meeting in San Jose, December 1-4, 1998	Aliprand	1998-12-04	admin
L2/98-419	Minutes of the L2/UTC technical meeting in San Jose, December 4, 1998	Aliprand		admin
L2/98-420	Minutes from the L2 meeting in San Jose, December 4, 1998	Winkler	1998-12-04	Admin
L2/98-421	Paper on annotations	Suignard, Hiura	1998-12-04	396-D
L2/98-422	Proposed NP for ISO/IEC 8859-16 - Latin #10 for Rumania	SC2 N3227 NB of Rumania	1998-12-09	392-M
L2/98-423	Notices of publication: – ISO/IEC 10646, Amendment 19 - Runic – ISO/IEC 10646, Amendment 20 - Ogham	SC2 N3228 SC2 N3229	1998-12-09 1998-12-09	396-D
L2/98-424	Resolutions of the JTC1 ad hoc meeting of the TD on Cultural and Linguistic Adaptability and User Interfaces (CLAUI)	SC2 N3230 JTC1 N5629	1998-12-09	admin
L2/98-425	Approval of amendments to international standards that have been adopted as ANSI standards	Winkler	1998-12-16	admin
L2/98-426	Armenian comments to SC2 N3134, registration #221 for bibliographic information interchange	NB of Armenia SC2 N3222	1998-12-16	396-D
L2/98-427	W3C working draft on Ruby	W3C, Misha Wolf	1998-12-21	396-D
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L2/99-001	L2 complete document register 1998	Winkler	1998-12-21	admin
L2/99-002	Preliminary agenda for L2/UTC meeting in Palo Alto, February 3-5, 1998	Aliprand	1999-01-25	admin
L2/99-003	Application for registration #226 - Romanian	NB of Romania SC2 N3232	1998-12-22	392-M
L2/99-004	Table of replies on FDIS 8859-15 - Latin 9	SC2 N3233	1998-12-22	392-M
L2/99-005	Working draft #2 for ISO/IEC 15435 - Internationalization API	SC22/WG20 N612	1998-10-20	1241-L
L2/99-006	Text for FCD ballot of ISO/IEC 14652 - Specification method for cultural conventions	SC22/WG20 N634 SC22 N2869	1998-12-21	1244-L
	next mailing [after Palo Alto] - March 10, 1999			
L2/99-007	Agenda for the NCITS/L2 meeting in Palo Alto, February 5, 1999	Winkler	1998-12-29	admin
L2/99-008	Encoding Egyptian Hieroglyphs in Plane 1 of the UCS [large 3.4 MB PDF file]	Everson SC2/WG2 N1944	1999-01-09	396-D
L2/99-009	Revisions to Annex N of ISO/IEC 10646-1	Everson SC2/WG2 N1893	1998-10-20	396-D
L2/99-010	Minutes of WG2 meeting #35 London, 9/21-25/98 [large 760kB Word document]	Umamaheswaran SC2/WG2 N1903	1998-12-30	396-D

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L2/99-011	Revised proposal for encoding the Buginese script in the UCS	Everson SC2/WG2 N1930	1998-11-24	396-D
L2/99-012	Revised proposal for encoding the Glagolitic script in the UCS	Everson SC2/WG2 N1931	1998-11-24	396-D
L2/99-013	Revised proposal for encoding the Phoenician script in the UCS	Everson SC2/WG2 N1932	1998-11-23	396-D
L2/99-014	Revised proposal for encoding the Philippine script in the UCS	Everson SC2/WG2 N1933	1998-11-23	396-D
L2/99-015	Editorial corrigendum on Zones and related features of ISO/IEC 10646-1	Bruce Paterson SC2/WG2 N1934	1998-11-11	396-D
L2/99-016	Editorial corrigenda on CJK compatibility ideographs, and other items	Bruce Paterson SC2/WG2 N1935	1998-11-30	396-D
L2/99-017	Repertoire additions for ISO/IEC 10646-1 Cumulative list No. 8	Bruce Paterson SC2/WG2 N1936	1998-12-01	396-D
L2/99-018	Working group document on GREEK LETTER KOPPA	Everson SC2/WG2 N1938	1998-12-12	396-D
L2/99-019	On encoding the Deseret script in Plane 1 of the UCS	Everson SC2/WG2 N1891	1998-10-16	1313-L
L2/99-020	Preliminary WG2 report to the SC2 plenary in Fukuoka, March 9-15, 1999	Mike Ksar SC2/WG2 N1940	1998-12-15	admin
L2/99-021	Request for addition of Triangular Overlay Character	UTC / McGowan SC2/WG2 N1941	1998-12-07	396-D
L2/99-022	Hangul syllable name rules, proposed for ISO/IEC 10646 2nd edition	Bruce Paterson SC2/WG2 N1942	1998-12-08	396-D
L2/99-023	Revision of 10646-1 Annex T for CJK Unified Ideographs Extension A (draft)	Paterson, Sato SC2/WG2 N1943	1999-01-08	396-D
L2/99-024	Calling notice and agenda for SC2/WG2 meeting in Fukuoka, March 9-15, 1999	Mike Ksar SC2/WG2 N1937 SC2 N3238	1998-12-10	admin
L2/99-025	Addition of the DRACHMA SIGN to the UCS	ELOT / Everson SC2/WG2 N1946	1999-01-20	396-D
L2/99-026	Devanagari--Eyelash RA (third version)	James E. Agenbroad	1999-01-27	396-D
L2/99-027	Towards criteria for encoding symbols (replaces L2/98-311)	Asmus Freytag	1999-01-28	396-D
L2/99-028	Text of ISO/IEC 6937 CD for registration and CD consideration ballot	Simonsen SC2 N3239	1999-01-29	1039-L
L2/99-029	CD registration and consideration ballot for ISO/IEC 6937 (L2/99-028)	Winkler	1999-02-01	admin
L2/99-030	Summary of voting for ISO 2022 corrigendum #1	SC2 N3236	1999-01-11	105-L
L2/99-031	Summary of voting for ISO/IEC 8859-15 - Latin 9	SC2 N3233	1998-12-22	392-L
L2/99-032	Notice of publication of ISO/IEC TR15285 - An operational model for characters and glyphs	Ed Hart SC2 N3237	1999-01-29	1141-L
L2/99-033	Call for volunteer for IR of L2 (due May 5, 1999)	IT/99-0027	1999-02-05	admin
L2/99-034R	Proposed text for draft UTR#16 and an informative annex on UTF-EBCDIC to ISO/IEC 10646-1	Umamaheswaran	1999-02-02	396-D
L2/99-035	Minutes of the L2 meeting in Palo Alto Feb. 5.1999	Winkler	1999-02-10	admin
L2/99-036	Proposal that Myanmar VOVEL SIGN E be stored in phonetic answer (i.e. after its consonants)	Joe Becker	1999-02-02	396-D
L2/99-037	Soft Space in Indic scripts	Maurice Bauhahn	1999-01-26	396-D
L2/99-038	BIDI: Agreed actions from ad hoc meeting	Mark Davis	1999-01-21	UTC
L2/99-039	Changes between UnicodeData-2.1.8 and UnicodeData-2.1.9d2.txt	Ken Whistler	1999-02-04	UTC

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L2/99-040	Japanese NB recommendations to JTC1 concerning the activities of SC2	JTC1 N5698	1998-12-30	admin
L2/99-041	Reconsideration recommendation about a prior decision on X3.4 and X3.83	Ed Hart	1999-02-02	12-M 13-M
L2/99-042	UTC-DTR# 10 – Unicode collation algorithm Rev. 2	Davis, Whistler	1998-12-17	1307-L
L2/99-043	Mathematical brace pieces	Murray Sargent	1999-02-04	396-D
L2/99-044	E-mail feedback from Martin Dürst regarding TR #15 - Normalization	Martin Dürst	1999-02-01	UTC
L2/99-045	Proposal to encode mathematical variant tags (supersedes L2/98-406)	Barbara Beeton Murray Sargent	1999-02-04	396-D
L2/99-046	Specification of UTC Resolution on Eyelash RA	Joe Becker	1999-02-04	396-D
L2/99-047	Encoding of the Armenian script in ISO 10646, answer to SC2 N3222 (L2/98-426)	Michel Suignard	1999-02-05	396-D
L2/99-048	C1 controls in the code charts	Umamaheswaran	1999-02-04	396-D
L2/99-049	Status addendum to L2/98-405: mathematical and technical symbols	Barbara Beeton	1999-01-22	396-D
L2/99-050	BIDI ad hoc proposal for Unicode 3.0	Mark Davis	1999-02-04	UTC
L2/99-051	Proposal to UTC for comments on ISO 14651 ballot	Mark Davis	1999-02-04	1307-L
L2/99-052	The math pieces from the symbol font	Asmus Freytag	1999-02-05	396-D
L2/99-053R	Recommendations from the UTC/L2 meeting in Palo Alto, February 3-5, 1999	Joan Aliprand	1999-03-11	admin
L2/99-054	Minutes from the UTC/L2 meeting in Palo Alto, February 3-5, 1999	Joan Aliprand		admin
L2/99-055 (web only)	Disposition of comments to FCD 14652 - Specification of cultural conventions	Keld Simonsen SC22/WG20 N608	1998-10-12	1244-L
L2/99-056	L2/UTC answer to JTC1 N5698 about the work of SC2	Ken Whistler SC2/WG2 N1966	1999-02-11	admin
L2/99-057	Proposal for encoding the Indus script in Plane 1 of the UCS	Michael Everson SC2/WG2 N1959	1999-01-29	1313-L
L2/99-058	Proposal for encoding the Varang Kshiti script in the BMP of the UCS	Michael Everson SC2/WG2 N1958	1999-01-29	396-D
L2/99-059	Proposal for encoding the Sorang Sompeng script in the BMP of the UCS	Michael Everson SC2/WG2 N1957	1999-01-29	396-D
L2/99-060	Proposal for encoding the Ol Cemet' script in the BMP of the UCS	Michael Everson SC2/WG2 N1956	1999-01-29	396-D
L2/99-061	Graphic representation of the Roadmap to Plane 1 of the UCS	Michael Everson SC2/WG2 N1955	1999-01-29	1313-L
L2/99-062	Graphic representation of the Roadmap to the BMP of the UCS	Michael Everson SC2/WG2 N1949	1999-01-29	396-D
L2/99-063	Proposal to encode the Osmanya script in Plane 1 of the UCS	Michael Everson SC2/WG2 N1948	1999-01-29	1313-L
L2/99-064	Revised proposal for encoding the Old Permic script in the UCS	Michael Everson SC2/WG2 N1947	1999-01-29	396-D
L2/99-065	Siddham script	Michael Everson	1999-02-11	396-D
L2/99-066	Batak script	Michael Everson	1999-02-11	396-D
L2/99-067	Lepcha script (RÓNG)	Michael Everson	1999-02-11	396-D
L2/99-068	Luvian script	Michael Everson	1999-02-11	396-D
L2/99-069	Proto-Sinatic script	Michael Everson	1999-02-11	396-D
L2/99-070	Rongorongo script	Michael Everson	1999-02-11	396-D

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L2/99-071	Notice of Publication: ISO/IEC 8859 Part 2: Latin Alphabet No.2 Part 3: Latin Alphabet No.3 Part 5: Latin/Cyrillic alphabet Part 6: Latin/Arabic alphabet Part 8: Latin/Hebrew alphabet Part 9: Latin Alphabet No.5	SC2 N3240	1999-02-05	392-L
L2/99-072	Summary of Voting on SC 2 N 3186, Combined PDAM registration and consideration ballot on WD for 10646-1/Amd. 28: Ideographic description characters	SC2 N3241 Irish comments	1999-02-05	396-D
L2/99-073	Summary of Voting on SC 2 N 3213, Combined PDAM registration and consideration ballot on WD for 10646-1/Amd. 15: Kang Xi radicals and CJK radicals supplement	SC2 N3247 Irish comments	1999-02-08	396-D
L2/99-074	Summary of Voting on SC 2 N 3207, Subdivision Proposal on JTC 1.02.18.01 for Amendment 29: Mongolian	SC2 N3248	1999-02-12	396-D
L2/99-075	Summary of Voting on SC 2 N 3208, Combined PDAM registration and consideration ballot on WD for ISO/IEC 10646-1/Amd. 29: Mongolian	SC2 N3249 Irish comments	1999-02-12	396-D
L2/99-076	Summary of Voting on SC 2 N 3209, Subdivision Proposal on JTC 1.02.18.01 for Amendment 30: Additional Latin and other characters	SC2 N3251	1999-02-12	396-D
L2/99-077	Summary of Voting on SC 2 N 3210, Combined PDAM registration and consideration ballot on WD for ISO/IEC 10646-1/Amd. 30: Additional Latin and other characters	SC2 N3252 Irish comments	1999-02-12	396-D
L2/99-078	Summary of Voting on SC 2 N 3211, Combined PDAM registration and consideration ballot on WD for ISO/IEC 10646-1/Amd. 31: Tibetan Extension	SC2 N3253	1999-02-12	396-D
L2/99-079	Summary of Voting on SC 2 N 3212, Combined PDAM registration and consideration ballot on WD for ISO/IEC 10646-1/Amd. 31: Tibetan Extension	SC2 N3254 Chinese comments Irish comments	1999-02-12	396-D
L2/99-080	Kayah Li script	Michael Everson	1999-02-15	396-D
L2/99-081	Response to Ngo Trung Viet on feedback from Cham experts	Michael Everson SC2/WG2 N1960	1999-02-01	396-D
L2/99-082	Optimizing Georgian representation in the BMP of the UCS	Michael Everson SC2/WG2 N1962	1999-02-26	396-D
L2/99-083	14651 proposal: tentative DTD for the 14651 tables	Kent Karlsson SC22/WG20 N639	1999-02-19	1307-L
L2/99-084	14651 proposal: non-normative example of tailoring ISO 14651 for Swedish and Finnish	Kent Karlsson SC22/WG20 N640	1999-02-19	1307-L
L2/99-085 (web only)	14651 proposal: template collation table - example XML version	Kent Karlsson SC22/WG20 N641	1999-02-19	1307-L
L2/99-086	14651 proposal: Annex Q - order preserving subkey reduction	Kent Karlsson SC22/WG20 N642	1999-02-19	1307-L
L2/99-087	Liaison report from SC22/WG15 to SC22/WG20	Keld Simonsen WG20 N637	1999-01-13	i18n
L2/99-088	Finnish NB position to JTC1 N5698 concerning the activities of SC2	Erkki Kolehmainen SC2 N3269	1999-03-04	396-D
L2/99-089	W3C - Character model for the World Wide Web	W3C	1999-02-25	i18n
	next paper mailing (May 1999)			

Doc. #	Subject	Source	Date	Project
L2/99-090	Summary of voting on ISO/IEC 10646, Amd. 22 - Keyboard symbols	SC2 N3263	1999-03-05	396-D
L2/99-091	Summary of voting on ISO/IEC 10646, Amd. 24 - Thaana	SC2 N3264	1999-03-03	396-D
L2/99-092	Summary of voting on ISO/IEC 10646, Amd. 25 - Khmer	SC2 N3265	1999-03-03	396-D
L2/99-093	Summary of voting on ISO/IEC 10646, Amd. 26 - Myanmar	SC2 N3266	1999-03-05	396-D
L2/99-094	Summary of voting on ISO/IEC 10646, Amd. 27 - Syriac	SC2 N3267	1999-03-05	396-D
L2/99-095	Summary of voting on ISO/IEC 10646, Amd. 14 - Yi syllables and radicals	SC2 N3268 Irish comments	1999-03-08	396-D
L2/99-096	Resolutions of SC2/WG2 meeting in Fukuoka, March 9-15, 1999	SC2 N3291 SC2/WG2 N2004	1999-03-18	admin
L2/99-097	Letter ballot for concurrent registration and PDAM of TR 10176, Amd. 1 [SC22 N2897] **Reply requested by May 15, 1999**	L2/98-382 SC22/WG20 N648	1999-03-15	473-L
L2/99-098	US ballot comments on 2nd FCD 14651	Davis / Texin	1999-03-16	1307-L
L2/99-099	L2/UTC document distribution on paper **Reply requested by May 7, 1999**	Arnold Winkler	1999-03-10	admin
L2/99-100	Agenda for L2 meeting #177 in Redmond, June 11, 1999 (will be updated as time passes)	Arnold Winkler	1999-03-16	admin
L2/99-101	Resolutions of the SC2 plenary meeting in Fukuoka March 16, 1999	SC2 N3296	1999-03-18	admin
L2/99-102	WG2 report to SC2 plenary in Fukuoka	SC2/WG2 N1940R SC2 N3292	1999-03-16	admin
L2/99-103	WG2 charter re-visited	SC2/WG2 N2009 SC2 N3273	1999-03-12	admin
L2/99-104	WG2 proposed response to JTC1 N5698 regarding Japanese comments on SC2 program of work	SC2/WG2 N2017	1999-03-12	admin
L2/99-105	Disposition of comments to Amd. 22, 24-26	SC2/WG2 N2016	1999-03-12	396-D
L2/99-106	Disposition of comments to Amd. 15, 28, 29, 30, 31	SC2/WG2 N1965R	1999-03-12	396-D
L2/99-107	Voting summary on C Liaison of WG20 with the Unicode Consortium	SC22 N2894 SC22/WG20 N645	1999-03-09	admin
L2/99-108	Summary of voting on WG20 request for subdivision of project JTC 1.22.13 to produce Amendment 1 to ISO/IEC 10176:1998	SC22 N2895 SC22/WG20 N646	1999-03-09	473-L
L2/99-109	Summary of voting on concurrent PDAM registration and PDAM ballot for PDAM1 to ISO/IEC 10176:1998	SC22 N2896 SC22/WG20 N647	1999-03-09	473-L
L2/99-110	Statement of mutual benefits for a request for liaison between SC22/WG20 and ISO/TC46/SC2	John Clews WG20 N649	1999-03-25	admin
L2/99-111	Text for FPDAM ballot of ISO/IEC 10646, Amd. 31 - Tibetan extensions	SC2 N3310	1999-04-06	396-D
L2/99-112	Text for FPDAM ballot of ISO/IEC 10646, Amd. 30 - Additional Latin and other characters	SC2 N3309	1999-04-06	396-D
L2/99-113	Text for FPDAM ballot of ISO/IEC 10646, Amd. 29 - Mongolian	SC2 N3308	1999-04-06	396-D
L2/99-114	Text for DCOR ballot for Technical Corrigendum #3 of ISO/IEC 10646	SC2 N3306	1999-03-31	396-D
L2/99-115	Subdivision proposal on JTC1.02.18.01 ISO 8859-1, Part 16 - Latin #10 - Romania	SC2 N3302 SC2 N3227	1999-03-29	392-M
L2/99-116	Notice of publication - ISO/IEC 8859-15, Latin Alphabet #9	SC2 N3305	1999-03-31	392-M

Doc. #	Subject	Source	Date	Project
L2/99-117	Revised scope of project 18.02 - ISO/IEC 10646-2, Part 2 - Secondary Multilingual Plane	SC2 N3293	1999-03-30	1313-L
L2/99-118	Approval process for 2nd edition of ISO/IEC 10646-1	SC2 N3294	1999-03-25	396-D
L2/99-119	Text for FPDAM ballot of ISO/IEC 10646, Amd. 15 - Kang Xi radicals and CJK radicals supplement	SC2 N3311	1999-04-07	396-D
L2/99-120	Text for FPDAM ballot of ISO/IEC 10646, Amd. 28 - Ideographic description characters	SC2 N3312	1999-04-07	396-D
L2/99-121	Greek Ordering	Bunz/Küster WG20 N652	1998-11-10	1307-L
L2/99-122	Ordering labio-velar characters in Ethiopic	John Clews	1999-03-31	1307-L
L2/99-123	Call for Members for Advisory Group of the Registration Authority for ISO 2375	SC2 N3303	1999-03-29	admin
L2/99-124	ISO/IEC WD 10646-2 - Secondary multilingual plane for scripts and symbols, CJK supplementary	SC2 N3297	1999-03-30	1313-L
L2/99-125	Text for FDAM ballot ISO/IEC 10646 FDAM #14 - Yi syllables and Yi radicals	SC2 N3315	1999-04-14	396-D
L2/99-126	Text for FDAM ballot ISO/IEC 10646 FDAM #22 - Keyboard symbols	SC2 N3316	1999-04-14	396-D
L2/99-127	Text for FDAM ballot ISO/IEC 10646 FDAM #24 - Thaana	SC2 N3317	1999-04-14	396-D
L2/99-128	Text for FDAM ballot ISO/IEC 10646 FDAM #25 - Khmer	SC2 N3318	1999-04-14	396-D
L2/99-129	Text for FDAM ballot ISO/IEC 10646 FDAM #26 - Myanmar	SC2 N3319	1999-04-14	396-D
L2/99-130	Text for FDAM ballot ISO/IEC 10646 FDAM #27 - Syriac	SC2 N3320	1999-04-14	396-D
L2/99-131	Contribution on Cyrillic ordering	K. V. Chuguev WG20 N662	1999-04-15	1307-L
L2/99-132	Ballot results and comments to 2nd FCD 14651 (full text version is SC22 N2911 + WG20 N644)	SC22 N2911 WG20 N663	1999-04-19	1307-L
L2/99-133	Swedish comments to FCD 14651 ballot (this text is not included in N663)	WG20 N664 SC22 N2912	1999-04-07	1307-L
L2/99-134	Proposed editorial changes to FCD 14651.2 (proposed changes are shown)	Michael Everson	1999-04-21	1307-L
L2/99-135	Complete input document for the disposition of comments to FCD2 14651 ballot [web only]	SC22 N2911 & SC22 N2912	1999-04-22	1307-L
L2/99-136	Thai string collation (input for an informative annex in IS 14651)	Theppitak Karoonboonyanan SC22 N667	1999-04-29	1307-L
L2/99-137	Ballot results and comments on FCD 14652	WG20 N671 SC22 N2917	1999-04-28	1307-L
L2/99-138	Excerpt of the resolutions from JTC1 in Rio regarding CLAUI	Winkler, WG20 N669 JTC1 N5748	1999-04-28	admin
L2/99-139	Registration of Charset and Languages Media Features Tags	Paul Hoffman IETF, WG20 N667	1999-04-26	i18n
L2/99-140R	Need for a standard name for the collection of planes 0 to 16	Ed Hart	1999-05-11	396-D
L2/99-141	Liaison Report from SC22/WG20 - Internationalization	Ken Whistler	1999-05-12	admin
L2/99-142	Resolutions from the SC22/WG20 meeting in Malvern, May 3-7, 1999	Winkler, WG20 N675 SC22 N2925	1999-05-07	admin
L2/99-143	Minutes from SC22/WG20 meeting in Malvern, May 3-7, 1999	Winkler, WG20 N676 SC22 N2924	1999-05-07	admin
L2/99-144	Business plan and convenor's report 1999	Winkler, WG20 N677 SC22 N2921	1999-05-12	i18n

Doc. #	Subject	Source	Date	Project
L2/99-145	Cultural registry – plan for the revision of IS 15897	Simonsen WG20 N680	1999-05-03	1275-L
L2/99-146	Default sequence of GOST Greek section (n681-p2.pdf)	GOST WG20 N681	1999-05-04	1307-L
L2/99-147	Japan's supplementary comments on FCD 14651.2	WG20 N682	1999-05-05	1307-L
L2/99-148	European Ordering Rules, third version (WEB only)	Marc Küster WG20 N683	1999-02-19	1307-L
L2/99-149	Disposition of comments to FCD2 14651 (based on SC22 N2911 and SC22 N2912)	Alain LaBonté WG20 N670	1999	1241-L
L2/99-150	Call for convenor for SC22/WG20	JTC1 TAG 99-0168	1999-05-14	admin
L2/99-151	Agenda for the combined UTC/L2 technical meeting in Redmond, June 8-10, 1999	Lisa Moore		admin
L2/99-152	Table of replies on ISO 10646, FDAM # 18 - Symbols and other characters	SC2 N3321	1999-05-12	396-D
L2/99-153	Notice of publication: ISO/IEC 2022, Technical Corrigendum #1	SC2 N3322	1999-05-12	105-L
L2/99-154	Summary of voting on CD registration and consideration WD 6937 - Latin Alphabet	SC2 N3323	1999-05-18	1039-L
L2/99-155	Report of the SC2 plenary in Fukuoka, 1999-03-16	SC2 N3324	1999-05-17	admin
L2/99-156	Table of replies in ISO 10646 FDAM # 17 - CJK unified ideographs Extension A	SC2 N3325	1999-05-17	396-D
L2/99-157	Notice of publication: ISO/IEC 10646, Amd. #23 - Bopomofo extended and other characters	SC2 N3326	1999-05-17	396-D
L2/99-158	Statement of mutual benefits and responsibilities – liaison between W3C and WG20	WG20 and W3C SC22 N2923	1999-05-07	admin
	next paper mailing (June 1999)			
L2/99-159	Request for assignment of codes to mathematical and technical symbols that do not appear in Unicode 2.0 or ISO/IEC 10646 (revised)	Barbara Beeton	1999-06-01	396-D
L2/99-160	Proposal to encode mathematical variant tags (rev)	Barbara Beeton	1999-06-01	396-D
L2/99-161	Call for volunteers for convenor of SC2/WG2	JT/99-0194	1999-06-01	admin
L2/99-162 Link to the Unicode web site, no paper distribution	UTR#10, Unicode Collation Algorithm UTF#14, Line Breaking Properties UTR#15, Unicode Normalization Forms UTR#16, UTF-EBCDIC UTR#18, Unicode Regular Expression Guidelines	Unicode Technical Reports	June 1999	UTC
L2/99-163	ISO/IEC 2022:1994 for re-confirmation (paper only)	ISO/IEC 2022	1994-0-12-01	105-L
L2/99-164	ISO/IEC 10538 - control functions for text communication for re-confirmation (paper only)	ISO/IEC 10538	1991-09-15	1042-L
L2/99-165	Ad hoc report on Yi radicals from Fukuoka 3/15/99 with subsequent addendum from 3/23/99	Yi ad hoc group SC2/WG2 N1945R	1999-03-23	396-D
L2/99-166	Annual Report 1998-1999	Winkler	1999-06-21	admin
L2/99-167	Informative annex on ISO 14651 - Thai sort	Theppitak Karoonboonyanan	1999-06-03	1241-L
L2/99-168	ISO/IEC 10646-1, second edition, draft 2	Bruce Paterson SC2/WG2 N2005	1999-05-29	396-D
L2/99-169	ISO/IEC 10646-2, Working draft	Michel Suignard SC2/WG2 N2012	1999-03-24	1313-L
L2/99-170	Repertoire additions for ISO 10646-1, cumulative list #9	Bruce Paterson SC2/WG2 N2029	1999-05-29	396-D
L2/99-171R	UTR#9, Unicode 3.0 Bi-directional algorithm	Mark Davis	1999-05-24	UTC
L2/99-172	UTR#19, UTF-32	Mark Davis	1999-05-31	396-D
L2/99-173	UTR#11, Unicode character properties "East Asian Width "	Asmus Freytag	1999-06-11	UTC

Doc. #	Subject	Source	Date	Project
L2/99-174	Concerns about the algorithm used for canonical composition	Martin Dürst W3C liaison	1999-06-07	396-D
L2/99-175R	Motions from the joint UTC/L2 meeting in Seattle, June 8-10, 1999	Lisa Moore	1999-06-15	admin
L2/99-176	Minutes from the joint UTC/L2 meeting in Seattle, June 8-10, 1999	Lisa Moore		admin
L2/99-177	Minutes from the NCITS/L2 meeting in Seattle, June 1999	Arnold Winkler	1999-06-21	admin
L2/99-178	not assigned			
L2/99-179	Linebreaking category summary	Asmus Freytag	1999-06-07	396-D
L2/99-180	Linebreaking data table (paper only distribution)	Asmus Freytag	1999-06-07	UTC
L2/99-181	UTR#20, Characters not suitable for markup, including cover-page and comments	Martin Dürst	1999-06-08	UTC
L2/99-182	Comments on LineBreak	Mark Davis	1999-06-07	UTC
L2/99-183	Unicode character data base Version 3.0	Mark Davis	1999-06-07	UTC
L2/99-184	Proposed modifications to collation in light of ISO 14651 changes	Mark Davis	1999-06-07	1241-L
L2/99-185	UTR#10 - Unicode Collation Algorithm	Mark Davis, Ken Whistler	1999-06-08	UTC
L2/99-186	Special mathematical operators used in computational algebra (**not yet available**)	Murray Sargent Neil Soiffer		
L2/99-187	Text for CD registration and FCD consideration ballot for ISO 8859-7 - Greek	SC2 N3329	1999-06-10	392-M
L2/99-188	Proposal to encode mathematical alphanumeric symbols (**superseded by L2/99-195**)	Barbara Beeton Murray Sargent	1999-06-09	396-D
L2/99-189	UTR#14 - Line Breaking Properties Rev. 5d4	Asmus Freytag	1999-06-09	396-D
L2/99-190	Proposed Draft UTR #21 - Case mappings	Mark Davis	1999-04-30	396-D
L2/99-191	Unassigned characters (for addition to the Unicode Standard)	Mark Davis	1999-06-11	396-D
L2/99-192	Revised text for FPDAM ballot of ISO/IEC 10646, Amendment 24 - Thaana (repl. L2/99-127)	SC2 N3330 (repl. N3317)	1999-06-11	396-D
L2/99-193	Committee report and recommendations from the ad hoc committee on archiving standards	David Thewlis IT/99-0113	1999-03-30	admin
L2/99-194 (web only)	Presentation about the report from the ad hoc on archiving standards (web distribution only)	David Thewlis IT/99-0149	1999-03-31	admin
L2/99-195	Proposal to encode mathematical alphanumeric symbols	Murray Sargent Barbara Beeton	1999-06-11	1313-L
L2/99-196	Disposition of comments to FCD2 14651 (based on SC22 N2911 and SC22 N2912)	Alain LaBonté SC22/WG20 N670	1999-06-14	1241-L
L2/99-197	Disposition of comments to FCD 14652 ballot (SC22 N2917)	Keld Simonsen SC22/WG20 N672	1999-05-28	1241-L
L2/99-198	3rd FCD 14651 – International string ordering for FCD ballot (SC22/WG20 N684)	Alain LaBonté SC22 N2933	1999-06-14	1241-L
L2/99-199	Mathematical Alphabets (for L2/99-195)	Asmus Freytag	1999-06-14	1313-L
L2/99-200	Ordering of capital letters and small letters in English dictionaries	Michael Everson WG20 N688	1999-06-17	1241-L
L2/99-201	Comments on the working draft of ISO/IEC 10646 Part 2 (WG2 N 2012R2)	NCITS/L2	1999-06-11	1313-L
L2/99-202	JTC1 SC2 Programme of work	SC2/WG2 N2037	1999-06-18	admin
L2/99-203	ISO/IEC WD 2375 - Procedure for registration of escape sequences and character sets	Michael Everson SC2/WG3 N	1999-05-30	13-M

Annex B - List of ballots in the report period

L2	SC#	Title	Ballot
98-162	N 3083	Amendment 14 Yi	pdam reg
98-162	N 3083	Amendment 14 Yi	pdam
98-170	N 3090	Amendment 17 CJK-A	pdam reg
98-170	N 3090	Amendment 17 CJK-A	pdam
98-202	N 3112	Amendment 23 Bopomofo ext.	pdam reg
98-202	N 3112	Amendment 23 Bopomofo ext.	fpdam
98-172	B 3104	Amendment 24 Thaana	pdam reg
98-172	B 3104	Amendment 24 Thaana	pdam
98-174	N 3105	Amendment 25 Khmer	pdam reg
98-174	N 3105	Amendment 25 Khmer	pdam
98-176	N 3106	Amendment 26 Burmese	pdam reg
98-176	N 3106	Amendment 26 Burmese	pdam
98-178	N 3107	Amendment 27 Syriac	pdam reg
98-178	N 3107	Amendment 27 Syriac	pdam
98-317	N3186	AMENDMENT 28: Ideographic description characters	registration
98-317	N3186	AMENDMENT 28: Ideographic description characters	PDAM
98-332	N3213	AMENDMENT 15: Kang Xi radicals and CJK radicals supplement	registration
98-332	N3213	AMENDMENT 15: Kang Xi radicals and CJK radicals supplement	PDAM
98-326	N3207	Amendment 29: Mongolian	Subdivision
98-327	N3208	Amendment 29: Mongolian	registration
98-327	N3208	Amendment 29: Mongolian (+ comments)	PDAM
98-328	N3209	Amendment 30: Additional Latin and other characters	Subdivision
98-329	N3210	Amendment 30: Additional Latin and other characters	registration
98-329	N3210	Amendment 30: Additional Latin and other characters	PDAM
98-330	N3211	Amendment 31: Tibetan Extension	Subdivision
98-331	N3212	Amendment 31: Tibetan Extension	registration
98-331	N3212	Amendment 31: Tibetan Extension	PDAM
98-320	N3192	AMENDMENT 22: Keyboard Symbols	FPDAM
98-320	N3192	AMENDMENT 22: Keyboard Symbols	ANSI standard
98-323	N3198	AMENDMENT 24: Thaana	FPDAM
98-323	N3198	AMENDMENT 24: Thaana	ANSI standard
98-324	N3201	AMENDMENT 25: Khmer	FPDAM
98-324	N3201	AMENDMENT 25: Khmer	ANSI standard
98-325	N3203	AMENDMENT 26: Myanmar	FPDAM
98-325	N3203	AMENDMENT 26: Myanmar	ANSI standard
98-322	N3196	AMENDMENT 27: Syriac	FPDAM
98-322	N3196	AMENDMENT 27: Syriac	ANSI
98-318	N3188	AMENDMENT 18: Symbols and Others	FDAM
98-318	N3188	AMENDMENT 18: Symbols and Others	ANSI
98-319	N3190	AMENDMENT 21: Sinhala	FDAM
98-319	N3190	AMENDMENT 21: Sinhala	ANSI
98-321	N3194	AMENDMENT 23: Bopomofo Extended and other characters	FDAM
98-321	N3194	AMENDMENT 23: Bopomofo Extended and other characters	ANSI
98-333	N3215	AMENDMENT 14: Yi syllables and YI radicals	FPDAM
98-333	N3215	AMENDMENT 14: Yi syllables and YI radicals	ANSI
98-334	N3220	AMENDMENT 17: CJK Unified Ideograph Extension	FPDAM
98-334	N3220	AMENDMENT 17: CJK Unified Ideograph Extension	ANSI
98-382	N618	TR 10176 - Guide for programming language standards, Amendment #1 (Annex A table)	subdivision 22.13
98-382	N618	TR 10176 - Guide for programming language standards, Amendment #1 (Annex A table)	TR AMD#1 registration

98-382	N618	TR 10176 - Guide for programming language standards, Amendment #1 (Annex A table)	TR AMD#1 PDTR ballot
98-379	N599R	Liaison between Unicode and SC22/WG20	Liaison
98-381	N2844	IS 14651 2nd FCD - International string ordering	FCD
L2/99-003	N3232	Application for registration #226 - Romanian	Registration
L2/99-006	N2869	Text for FCD ballot of ISO/IEC 14652 - Specification method for cultural conventions	FCD
L2/99-028	N3239	Text of ISO/IEC 6937 CD for registration and CD consideration ballot	registration, CD
L2/99-033	IT/99-0027	Call for volunteer for IR of L2 (due May 5, 1999)	call
L2/99-097	WG20 N64	Letter ballot for concurrent registration and PDAM of TR 10176, Amd. 1 [N2897]	registration PDAM
L2/99-111	N3310	Text for FPDAM ballot of ISO/IEC 10646, Amd. 31 - Tibetan extensions	FPDAM
L2/99-112	N3309	Text for FPDAM ballot of ISO/IEC 10646, Amd. 30 - Additional Latin and other characters	FPDAM
L2/99-113	N3308	Text for FPDAM ballot of ISO/IEC 10646, Amd. 29 - Mongolian	FPDAM
L2/99-114	N3306	Text for DCOR ballot for Technical Corrigendum #3 of ISO/IEC 10646	DCOR
L2/99-115	N3302 N3227	Subdivision proposal on JTC1.02.18.01 ISO 8859-1, Part 16 - Latin #10 - Romania	subdivision
L2/99-118	N3294	Approval process for 2nd edition of ISO/IEC 10646-1	comments
L2/99-119	N3311	Text for FPDAM ballot of ISO/IEC 10646, Amd. 15 - Kang Xi radicals and CJK radicals supplement	FPDAM
L2/99-120	N3312	Text for FPDAM ballot of ISO/IEC 10646, Amd. 28 - Ideographic description characters	FPDAM
L2/99-123	N3303	Call for Members for Advisory Group of the Registration Authority for ISO 2375	call
L2/99-124	N3297	ISO/IEC WD 10646-2 - Secondary multilingual plane for scripts and symbols, CJK supplementary	comments
L2/99-125	N3315	Text for FDAM ballot ISO/IEC 10646 FDAM #14 - Yi syllables and Yi radicals	FDAM
L2/99-126	N3316	Text for FDAM ballot ISO/IEC 10646 FDAM #22 - Keyboard symbols	FDAM
L2/99-127	N3317	Text for FDAM ballot ISO/IEC 10646 FDAM #24 - Thaana	FDAM
L2/99-128	N3318	Text for FDAM ballot ISO/IEC 10646 FDAM #25 - Khmer	FDAM
L2/99-129	N3319	Text for FDAM ballot ISO/IEC 10646 FDAM #26 - Myanmar	FDAM
L2/99-130	N3320	Text for FDAM ballot ISO/IEC 10646 FDAM #27 - Syriac	FDAM
L2/99-150	JTC1 TAG 0168	Call for convenor for SC22/WG20 - Internationalization	call
L2/99-158	N2923	Statement of mutual benefits and responsibilities – liaison between W3C and WG20	liaison
L2/99-161	JTC1 TAG 99-194	Call for volunteers for convenor of SC2/WG2	call
L2/99-163	ISO 2022	ISO/IEC 2022:1994 for re-confirmation (paper only)	reaffirmation
L2/99-164	ISO/IEC 10538	ISO/IEC 10538 - control functions for text communication for re-confirmation	reaffirmation
99-187	N3329	Text for CD registration ballot for ISO 8859-7 - Greek	CD registration
99-187	N3329	Text for FCD consideration ballot for ISO 8859-7 - Greek	FCD

end of report