

INTERNATIONAL ELECTROTECHNICAL COMMISSION

TECHNICAL COMMITTEE No. 3: DOCUMENTATION
AND GRAPHICAL SYMBOLS

Unconfirmed Minutes of the meeting held in
Berlin (West) on 7th October 1986 (afternoon)

Present:

Chairman: Mr. M. DUCOMMUN (Switzerland)
Secretary: Mr. E. RUOSCH (Switzerland)

<u>COUNTRY</u>	<u>DELEGATES</u>	<u>COUNTRY</u>	<u>DELEGATES</u>
AUSTRALIA	Mr. E. Beauman Mr. R. Kerr	ITALY	Mr. G. Piazzi
CANADIA	Mr. J. Kwan	JAPAN	Mr. T. Araki Mr. Y. Nakamura
CHINA	Mr. T. He	NETHERLANDS	Mr. P.D.C. Reefman
CZECHOSLOVAKIA	Mr. J. Rymus Mr. F. Mlejnek	NORWAY	Mr. H. Hay Mr. J. Pettersen Mr. E. Selvik
DENMARK	Mr. K. Jensen Mr. G. Jørgensen	SWEDEN	Mr. B. Akerberg Mr. B. Kiessling Mr. P.A. Svensson
FINLAND	Mr. T. Viitanen	UNITED KINGDOM	Mr. J. Waters Mr. G.M. Whittaker
FRANCE	Mr. J. Bodin Mr. J. Dubray Mr. R. Mauduech Miss A.-M. Schwab	U.S.A.	Mr. C.R. Muller Mr. T.R. Smith
GERMANY	Mr. E. Abel Mr. F. Licht Mr. B. Schmitt Mr. K.-H. Topp	YUGOSLAVIA	Mrs. F. Hadzibegic Mr. T. Marjanovic Mr. S. Selimovic
INDONESIA	Mr. J. Anwar		
<u>OBSERVER</u>	Mr. K.H. Bergner Mr. H. Höpp Mr. F. Plaza Mr. J. Strecker	(Secr. ISO/TC 145) (Chairman SC 3C) (IMO) (UJC)	
<u>CENTRAL OFFICE</u>	Mrs. M. Sabev		

Content

<u>Item</u>	<u>Page</u>
1. Opening of the meeting.....	3
2. Approval of the draft agenda.....	3
3. Confirmation of the Minutes of the meeting held in Helsinki on 18th March 1985 - RM 2817/TC3.....	3
4. Report from the Chairman of Technical Committee 3: Documentation and graphical symbols.....	3
- Procedures for standardizing graphical symbols (see doc. 3(Secretariat)421).....	3
- Organization of work in TC3 and its Sub-Committees: Grouping of the subjects to be dealt with.....	3
- Collaboration with other TC's of IEC, ISO and other standardizing bodies.....	4
- Chairmanship of TC3.....	4
5. Report from the Chairman of the CCI/IEC Joint Working Group on graphical symbols and diagrams.....	4
6. Reports from Sub-Committees and their Working Groups.....	5
6.1. Sub-Committee 3A; Graphical symbols for diagrams.....	5
6.2. Sub-Committee 3B: Documentation.....	5
6.3. Sub-Committee 3C: Graphical symbols for use on equipment.....	5
7. Future work and relevant decisions.....	5
8. Any other business.....	5
9. Date of next meeting.....	5
10. Close of the meeting.....	5
Appendix A Report from the Chairman of the CCI/IEC-JWG	6
Appendix B Report from the Chairman of SC 3A	7
Appendix C Report from the Chairman of SC 3B	8
Appendix D Report from the Chairman of SC 3C	9

1) OPENING OF THE MEETING

The Chairman, Mr. Ducommun, opened the meeting and welcomed the delegates. He thanked the German National Committee for the kind hospitality and meeting arrangements.

2) APPROVAL OF THE DRAFT AGENDA 3(CENTRAL OFFICE)557

Approved.

3) CONFIRMATION OF THE MINUTES OF THE MEETING HELD IN HELSINKI ON 18TH MARCH 1985 - RM 2817/TC3

Accepted.

4) REPORT FROM THE CHAIRMAN OF TC3: DOCUMENTATION AND GRAPHICAL SYMBOLS

4.1) PROCEDURES FOR STANDARDIZING GRAPHICAL SYMBOLS DOC 3(SECRETARIAT)421 :

This document has been published in the Directives applicable to the work of IEC on

- Terminology, TC1
- Graphical Symbols TC3
- Letter Symbols TC25

issued in July 1986.

Any remarks or proposals should be reviewed when considering a new edition.

4.2) ORGANIZATION OF WORK IN TC3 AND ITS SUB COMMITTEES: GROUPING OF THE SUBJECTS TO BE DEALT WITH DOC 3(BERLIN(WEST))/CHAIRMAN TC3)2

In a longer discussion the following was pointed out:

- Editing Committee

TC3 needs different editing committees with specialists of each field of the work, because in a meeting too much time is lost by discussion on definitions or on purpose questions.

- History

There is a need for little history. Newcomers should be informed of the reasons of the developments of the work, but only in a few words.

- Discussion of documents

The collation of comments should be dealt with in Working Groups, and the result of this work then should be discussed in the subcommittees. In WG's are specialists, in SC's delegates of countries.

- New proposals

It is strongly recommended that documents for discussion be distributed in time before the meeting and identified on the circulated agenda. It should be possible to discuss comments or new proposals on green sheets during a meeting. However final decisions on new proposals could only be taken if there is a large support from the delegates present at the meeting.

- TC1

It should be emphasized, that definitions could be referred to TC1, Terminology, if ambiguities arise in questions of terminology.

A revised version of the above-mentioned paper will be circulated to the National Committees as a Secretariat-document.

Note of the Central Office : it is being circulated under reference 3(Secretariat)422

4.3) COLLABORATION WITH OTHER TC's OF IEC, ISO AND OTHER STANDARDIZING BODIES

- With letter of Mr. Jones of 15th August 1986, ISO proposed to establish a liaison between ISO/TC/SC1, Vocabulary and TC3. This was accepted.
- During the ACET-meeting on 24th June 1986 in Geneva, Document 3A(Secretariat)132 was discussed, see the report of the Chairman of SC 3A in Appendix B.
- With ISO/TC145 a close liaison exists.

4.4) CHAIRMANSHIP OF TC3

The period of Chairmanship of Mr. Ducommun expires in September 1987. As successor he proposed Mr. Reefman, who accepted to be candidate. Mr. Reefman thanked Mr. Ducommun for all the work done.

5) REPORT FROM THE CHAIRMAN OF CCI/IEC-JWG ON GRAPHICAL SYMBOLS FOR DIAGRAMS

The Chairman of JWG, Mr. Reefman read his report:
3(Berlin/Chairman CCI/IEC-JWG)3, see Appendix A.

The Chairman completed, that 6 new members for the CCI/IEC-JWG should be appointed, 3 from each side. Further more it is planned to create more specialized WG's taking over a part of the tasks of the JWG.

6) REPORTS FROM SUBCOMMITTEES AND THEIR WORKING GROUPS

6.1) SUBCOMMITTEE 3A: GRAPHICAL SYMBOLS FOR DIAGRAMS

The Chairman of SC3A, Mr. Reefman read his report: 3A(Berlin/Chairman SC3A)4, see Appendix B.

For details on "GRAPHICAL SYMBOLS FOR INFORMATION PROCESSING",

See the Minutes of SC3A circulated under reference RM 2962/SC 3A.

6.2) SUBCOMMITTEE 3B: DOCUMENTATION

The Chairman of SC3B, Mr. Hay, read his report; Appendix C. More details are given in the Minutes of SC 3B circulated under reference RM 2936/SC 3B.

6.3) SUBCOMMITTEE 3C: GRAPHICAL SYMBOLS FOR USE ON EQUIPMENT
3(Berlin/Chairman SC3C)8

The Chairman of SC3C, Mr. Hoepf, read his report; Appendix D.

7) FUTURE WORK AND RELEVANT DECISIONS

None

8) ANY OTHER BUSINESS

Liaison with CCITT Working Party WP X/3 - Specification and Description Language (SDL)- Formal Description Techniques. Document 3B(Secretariat)48. The work on SDL is related to the work in IEC/SC3B on Function Charts for Control Systems. Therefore TC3 should start a Secretariat-document for collaboration

9) DATE OF NEXT MEETING

Spring 1988

10) CLOSE OF THE MEETING

The Chairman thanked the delegates for the kind collaboration and closed the meeting.

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3(Berlin/Chairman CCI/IEC-JWG)3..
September 1986

INTERNATIONAL ELECTROTECHNICAL COMMISSION

TECHNICAL COMMITTEE No. 3: DOCUMENTATION AND GRAPHICAL SYMBOLS

Report of the Chairman of the CCI/IEC-JWG

The JWG has met in The Hague from the 14th to the 18th of April 1986 on the kind invitation of the Netherlands' PTT.
During this meeting the following items were discussed:

- Document JWG(The Hague/Secretariat)3: a draft for the presentation of the 12 pictograms for users of telephone service, standardized by CCITT, as IEC-417 single sheets.

The Secretary of 3C will prepare a document: "Symbols for telecommunication equipment: Proposal to the CCITT for the new telephone services designation". This document will be sent to the National Committees for information only and to the CCITT for its approval.

- Document JWG (The Hague/Dr. Höpp): a proposal containing 17 pictograms for the description of new telephone services, not yet standardized by CCITT.

The descriptions and the applications of this document were improved. It will be sent by IEC to the Secretary of SG 2, Question 8 WP II-2, as a delayed contribution for the CCITT September meeting.

- Document 3C(Secretariat)112: several objections of CEPT were received against the use of the letter R in symbol 417-IEC-5309 to identify the alarm reset control.

A new proposal was made using the existing symbol for return to state X.

- A proposal for a Secretariat document comprising symbols for fibre-optic couplers.
- The draft of a questionnaire regarding the introduction of graphical symbols for alarm systems in the field of protection, e.g. : fire, burglar, robbery and social call alarms.
- A proposal for a Secretariat document comprising symbols for airport navigation lights and indicators.
- Symbols for a virtual information connection and the qualification of a control function realized by computer software.

The next meeting of the CCI/IEC-JWG will be held in Spring 1987 in Västerås.

Report of the Chairman of IEC Sub-Committee 3A

After the meeting of IEC Sub-Committee 3A which was held in Helsinki from the 14th to the 15th of March 1985 :

- There are still several recommendations from IEC SC 3B/WG 2, dealing with the impact of CAD/CAM on graphical symbols that have to be discussed. It is not easy to deal with these recommendations as in a lot of cases complete new symbols have to be designed. In the near future SC 3A will come up with a detailed proposal.
- Regarding Publication 617 we can say that Part 1 has been printed so that the whole Publication is complete. The first part that appeared, Part 13, is however not completely in line with the rest of the publication. For this reason Part 13 will be revised by SC 3A WG 2 and has been discussed at its Stockholm meeting from April 21 to 25, 1986.
- During the Helsinki meeting Sub-Committee 3A discussed how to facilitate the introduction of the IEC logic symbol system for existing and new logic circuitry. During this meeting a Co-ordination Group was set up, which met in Geneva on the 14th of November 1985. The general feeling during this meeting was that IEC Publication 617-12 presents rules for the development of symbols for logic circuits. Drawing and design offices, however, have a strong preference for symbol catalogues presenting a direct relation between the logic circuit or device, identified by its type number, and its corresponding IEC symbol. Some National Committees have already started the work on such catalogues, but some have not, resulting in the fact that the IEC logic symbol system is more easily implemented in some countries than in others. It is the opinion of the Co-ordination Group that the introduction of the IEC logic symbol system can be facilitated by:

- a. An edition of an "easy to read" guide for the IEC logic symbol system, that can be used for educational purposes.
- b. An edition of a catalogue of IEC symbols for complex digital and analogue circuits.

At a later point in time, such an IEC catalogue for complex digital and analogue circuits may result in a data bank allowing direct consultation of the latest information. The Co-ordination Group recommends that the manufacturers of integrated circuits should co-operate in this important work to establish an internationally agreed uniform symbology for complex ICs, which is as much in their interest as that of the users, and proposes the setting up of an international working group 3A/WGx to deal with this work.

The opinion of the Co-ordination Group has been sent to the National Committees as 3A(Secretariat)132 and the results will be discussed during this meeting. The document has also been discussed in the ACET meeting of June 24, 1986 in Geneva and resulted in a proposal for a closer co-operation between TC 3 and the TCs dealing with electronic components.

APPENDIX C

Report from the Chairman of Sub-Committee 3B

1. Meeting: Since the last report to TC 3 in Helsinki 1985, SC 3B has held one meeting in Berlin from 1st to 3rd October 1986.

2. Work being dealt with:

- Preparation of Function Chart for Control Systems.

Document 3B(Central Office)39 was circulated for approval under the 6 Months'Rule in July 1986.

- CAD-aspects on the preparation of documentation.

It has been a difficult year for SC 3B/WG 2. Less work than expected has been carried out. One meeting was held in London, another meeting had to be cancelled because of a labour conflict. In addition the working group is suffering from lack of sufficient number of members. On top of that the secretary of the group, Mr. Vliestra, was forced to resign because of other responsibilities within his company.

The decision on the last meeting in Helsinki to circulate the present working document has thus not been carried out.

The sub-group SC 3B/WG 2/SUB 1 looking at the application for power and industrial plants has had two meetings, one in Oslo and one in Västerås.

At the previous meeting of SC 3B in Berlin it was decided that:

- a coordination of the call for members to the ACET WG, (Acet(Central Office 97 item 12) and a call for new members to SC 3B/WG 3 should be done.

- efforts should be made to coordinate with other committees in this field: EDIF, ISO/TC 184/TC 52 and possible ISO/TC 10.

- revision of Publication 113.

The second draft, document 3B(Secretariat)46 was circulated for comments in April 1986. In order to give as much time as possible for comments, the draft was distributed directly to a number of National Committees in the end of March by the Secretary.

In order to provide as basis for the continued work, a document 3B(Secretariat)44 was circulated with an enquiry on the needs of installation documentation. Information on the result was given in document 3B(Secretariat)4

At the previous meeting in Berlin it was decided that a third Secretariat draft should be prepared.

3. Future work: At the meeting of SC 3B decisions were taken to continue/start work on :

- installation documents and topographical diagrams/maps (SC 3B/WG 3)

- Parts Lists/Spare parts lists (SC 3B/WG 3)

- Revision of Publication 750, ad hoc WG

- Documentation, ad hoc WG.

RM 2963/TC 3

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3 (Berlin/Chairman
(SC 3C). 2..
Okt. 1986

INTERNATIONAL ELECTROTECHNICAL COMMISSION

TECHNICAL COMMITTEE NO. 3: DOCUMENTATION
AND GRAPHICAL SYMBOLS

Report of the Chairman of SC 3C - Graphical Symbols for
Equipment - to TC 3.

- 1.) The last meeting in Helsinki: (see RM 2809/SC 3C) agreed and prepared "common rules" and "general principles for the creation of graphical symbols for use on equipment" applicable for ISO and IEC.

The voting was positiv, it will be reported on the SC 3C meeting.

- 2.) The Supplement G of IEC publication 417 was printed at the end of 1985. It contains 142 new symbols, nearly 100 for the electro-medical application, as result of the meetings in Milan and Helsinki.
- 3.) The following meeting of SC 3C will discuss further symbols for different applications. (see 3C (CO) 125) and the enlarged agenda

3C (Berlin/Chairman). 2... containing
additional items and cross-references to former documents.

- 4.) A survey about all existing symbols within IEC 417, including proposals (which are numberd), is given in a tentative way in

3C (Berlin/Chairman). 6...

The base is the Supplement G of IEC in which the shapes of all other symbols are introduced (by hand) with a certain reference-information.

- 5.) A survey about the state of affairs with respect to the 3C-Central-Office documents (after the Helsinki-Meeting, beginning with 3C (CO) 100) is given in

3C (Berlin/Chairman). 3...

- 6.) A similar survey about 3C Secretariat documentsheet

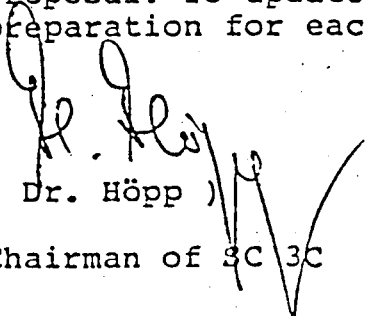
3C (Berlin/Chairman). 4...

7.) National proposals (without a number) see

3C (Berlin/Chairman).....⁵

The lists according item 5,6,7 show the actual status,
a part of the history and a view in the near future.

Proposal: To update such a survey by the secretariat as a
preparation for each meeting.


(Dr. Höpp)

Chairman of SC 3C

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