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3(Montreal/Secretariat)11

**DAY REPORT
2003-10-19**

INTERNATIONAL ELECTROTECHNICAL COMMISSION

Technical Committee No. 3 Information structures, documentation and graphical symbols

Day report from the meeting of TC3 2003-10-16/17 in Montreal

1 Opening of the meeting

The Chairman opened the meeting and welcomed all delegates.

On behalf of the Canadian National Committee Ms. Loise de Silva welcomed TC3 to Montreal. She mentioned that Canada is trying to become a member of TC3 (again), but also that there are difficulties to find the required industrial support.

2 Approval of the draft agenda, document 3/676A/DA

The draft agenda was approved.

3 Report from the Chairman of TC3

The Chairman made this very quick, stating that all items of interest will be discussed later on the agenda.

4 Note of the approval of the minutes form the previous meeting of TC3 in Prague 2002-10-16/17, document 3/656A/RM

The Chairman noted that the minutes from the last meeting in Prague had been approved after a remark from CZ. The remark had been introduced in revision A of the document.

The Secretary added that on page 9 of the document there was a minor print error in a figure (obviously introduced at the creation of the pdf file).

5 Note of the report from the co-ordination meeting with Chairmen, Secretaries and Convenors in Geneva 2003-04-10/11, document 3/667/INF

The report was noted. There were no questions on it.

6 Report from the Secretary of TC3, including actions taken as a result of the minutes, document 3(Montreal/Secretariat) 3

The Secretary presented document 3(Montreal/Secretariat)3, and commented on actions taken.

Prof. Ikeda draw attention to the updating of the ISO/IEC directives, and that work was going on to combine the ISO Supplement Annex SQ with the IEC Supplement Annexes J and K, to a unified procedure to be included in the main body of the ISO/IEC directives.

No details were available at the meeting. Jack Sheldon (from the IEC/CO and member of the IEC DMT) questioned the information. No more information was available, but the Secretariats will need to look further into this.

6.1 Consideration of the result of the Task Force for harmonization of the terminology in the database standards, documents 3/663/INF and 3/686/INF

The result was noted. It had been presented in more detail earlier during the TC3 Workshop.

It was noted that SC3C had not yet fully implemented the terminology, since some terminology was decided on in existing standards.

6.2 Consideration of the result of the other Task Forces

Marketing efforts: presented during the work shop.

The Task Force on future documentation had not been active, see below.

7 Consideration of the result of the Workshop 2003-10-16

See separate meeting document.

8 Report from the Secretary on the status of the IEC60617 database and on the implementation of the procedures, document 3/397/INF

The Secretary presented the report with reference to the document 3/397/INF.

It was noted that a mail had just been received that CH would no longer be neither a P nor O member of the TC3. Therefore they take no longer part of the Validation Team.

Dr. Radley noted that the term "withdrawn" had been used in the report, but now should be replaced by "obsolete".

9 Consideration of the report from the Validation Team for IEC60617 on validated graphical symbols in the IEC60617 database, document 3/696/INF

The Secretary presented the report contained in 3/696/INF.

The Secretary stated that the validation of the symbols relating to Part 12 and 13 of IEC 60617 could now begin, and asked the involved NCs to be prepared for two reasons:

It is a huge number of symbols (more than 300).

Since it relates to binary logic and analogous symbols, it might be necessary to support the VT members with expertise in those fields.

Decision: The committee decided that an "early warning" should be distributed to the NCs involved.

It was noted with satisfaction that two new members had been added to the VT, but that the voting is still very sensitive to negative votes, and that more members are required.

10 Consideration of the report from IEC/TC3 - ISO/TC184/SC4 JWG9 -Electrical applications of ISO 10303 - Product data representation and exchange - and relevant decisions, document 3/695/INF

The written report, document 3/695/INF, from the convenor of the group, was presented and commented.

Mr. Reuter said that AP210 is now being applied in 3-4 electronic CAD systems. The output can now be produced also as XML-file. For AP212 it has recently been announced that it is used for harness design for the automotive industry.

The of JWG 9 was discussed. It is evident that the focus of JWG9 has now shifted from development to implementation and maintenance of the actual standards.

The Secretary said that he has asked the JWG9 for an updated membership list, but it seems difficult to produce such a one.

JWG9 therefore ought to be turned into a maintenance team.

Decision: The Secretary should contact the group and ISO/TC184/SC4 to discuss whether or not it would be useful to officially change from a WG to a MT.

11 Consideration of the Report from IEC TC3 - ISO/TC10 JWG15 - Management data (meta data) for documents - and relevant decisions, document 3/690/INF

The Convenor of the group reported in accordance with 3/690/INF.

In addition he added that ISO/TC10 is now considering subsets of part 2 for civil engineering and archiving purposes.

Decision: It was decided that the NWIPs for these projects should be circulated in TC3 as well.

There are otherwise no further activities required from our side.

12 Consideration of reports from Maintenance Teams (all reports to be circulated in advance of the meeting)

12.1 Consideration of the Report from the Convenor of MT 16 [IEC 61082, Mr. H. Brückner], document 3/691/INF

In addition to the report, the Convenor of the MT16, Mr. Brückner, reported that a new CD is expected in the end of 2003-12.

12.2 Consideration of the Report from the Convenor of MT 17 [IEC 61175 Mr. K.-A. Thorn], document 3/Montreal/MT17)9

The Convenor of the Mt17 reported in accordance with the meeting document. A CDV is expected before the end of 2003-12.

12.3 Consideration of the Report from the Convenor of MT 18 [IEC 61346 and IEC 61666 [Mr. E. Selvik], document 3/693/INF.

The Convenor of the MT18 was not presented at the meeting, so the Chairman commented the written report, document 3/693/INF.

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He mentioned that a request for change will be issued by DE, which i.a. relates to the deletion of clause 5.6 *Reference designation groups*, now considered obsolete, and not in line with the rest of the standard.

The Secretary mentioned that a work related to the application the IEC 61346 standard has been initiated in DE (DIN) a a working group set up, having a meeting during the same week as the GM in Montreal. He had asked E. Selvik to be a member of the group, at least initially, to ensure that no changes to the basic principles are introduced. However, he had no possibility top to be present this time.

12.4 Consideration of the Report from the Convenor of MT 19 [IEC 61355 Mr. H. Brückner], document 3/680/INF

The Convenor of the MT19, Mr. Brückner, reported that he receives frequent requests for new document types. This is an indication that that this standard, at the next revision, may be a potential candidate to become a database standard.

12.5 Consideration of the Report from the Convenor of MT 20 [IEC 62023 and IEC 62027 Mr. P-Å. Svensson], document 3/681/MCR and 3/682/MCR

The Secretary reported that MCRs have been issued for these two standards. It is proposed that the validity for the standards is extended to 2009.

The Committee agreed to this.

12.6 Consideration of the Report from the Convenor of MT 21 [IEC 62079 Mr. M. Rust]

The Convenor of the MT21 reported about the present situation: There is presently no need to revise the actual content of the available publication. The validity could therefore be extended 5 more years.

However, there might be a need to add information on electronic instructions (embedded in the product), but he was not sure if there will be resources available to such an update.

Decision: It was decided to proceed with an MCR proposing extension of the validity, and to issue an NWIP for the electronic instructions to investigate the need and call for resources.

He also expressed concerns over the ongoing work in ISO TC199 on instructions for machines. As far as he new the group working with this recognized IEC 62079, and he therefore hoped that no contradictory statements would appear.

A related concern had been expressed by ACOS, which wanted to ensure that no rules for consumer products were included.

12.7 Consideration of the Report from the Convenor of MT 22 IEC-ISO 81714-series Mr. F. Reuter], document 3/689/INF

The Convenor reported in accordance with document 3/689/INF.

For part 1 he had not got any requests for changes and it had been reported to ISO/TC10 that we from the IEC side thought that the validity could just be extended.

The meeting agreed to this.

Part 2 and 3 will need to be revised: documents 3/687/MCR and 3/688/MCR have been issued. However, the changes are limited, and he thought that he and the Secretariat could carry it out.

This was agreed.

12.8 Consideration of the Report from the Convenor of MT 23 IEC-ISO 82045-series Mr. F. Reuter].

IEC 82045-1 has been recently issued, and there were no change proposals to report.

13 Report from the Chairman of SC3C - Graphical symbols for use on equipment - and relevant decisions, document 3(Montreal/SC3C)4A (later revision A)

The Chairman of TC3, Mr. Nakamura, reported in accordance with the meeting document.

Regarding the last sentences of clause 1, read: Regarding the procedure, the relations with the TC3 procedure on graphical symbols for diagrams, and another procedure applied by ITU-T SG2 were briefly discussed. Relevant decisions should be taken to avoid multiple procedures.

The TC3 ratified the proposed new scope of JWG11 (IEC SC3C – ISO TC145):

To develop ISO/IEC 80416-4 and to maintain the ISO 80416 series, and to develop a common structure, classification scheme(s) and terminology for the joint IEC 60417 and ISO 7000 database, being aligned to existing procedures for database standards.

TC3 invited ISO/TC145 to concur to existing database procedures.

It was noted that a complete alignment of the terminology might cause troubles since it to some extent was already agreed in standards (published before the databases) and therefore “out of control”, but that efforts should nevertheless be made.

14 Report from the Chairman of SC3D - Data sets for libraries - and relevant decisions, document 3(Montreal/SC3D)5

The Chairman of SC3D, Dr. Radley, reported in accordance with the meeting document.

With regard to the membership it was added that CH was no longer O-member.

On a question about the consolidation of amendments to published standards, Jack Sheldon informed that all publications are continuously consolidated as soon as the amendment has been published and time allows for the editing department at IEC/CO.

He also informed with regard to the Copyright problem that IEC and ISO are currently considering identical wording of these statements.

The Secretary informed about the decision earlier in SMB to forward the proposal for amendments of the rights to use the IEC 61360 database.

Mr. Araki informed that Mr. Satoshi Ito had left the NC, but that he is still active in 3D/WG2.

Prof. Ikeda noted that the reports from SC3C and SC3D looked quite different and asked for some kind of “style guide”.

Decision: It was decided to discuss the preparation of a style guide at the next co-ordination meeting with TC3 officers.

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15 Report on activities related to Sector Board 3

The Chairman, Mr. Brückner, reported from the last SB3 meeting which he had attended. The day report from the meeting was available as a meeting document 3(Montreal/Secretariat)7.

The following was commented:

Item 3.3: Unification of work procedures within IEC and ISO for new work item proposals. The handling of new work item proposals circulated in parallel in the two organisations is today different from a number of aspects. SB3 had set a task Force to come up with a proposal for unification, for which he was the convenor.

Item 5.2 Device profiles: The question was raised whether or not the proposed methodology was in line with that IEC 61360.

Mr. Reuter informed that a meeting will be held in Germany Nov.19 with participation i.a. from SC65B and the project leader for the Device profiles to study the applicability fo IEC 61360. He considered himself that this should be possible.

Item 6: ISO/IEC Guide for the specification of product properties and families: Dr. Radley informed when the JWG is set up SC3D is willing to participate in the work.

Mr. Thorn pointed out the document SB3/99/INF, the "Strategic principles document" (available as 3(Montreal/Secretariat)8) was an important one. This was also stressed by the Chairman, pointing out that it was going to be turned into an ISO/IEC Guide.

The Secretary informed that this document had also been studied in an ad hoc group in SMB to see whether it could be applied also outside the domain of industrial automation. SMB had decided not to do so at the present time, because some of the proposals are not exactly in line with the existing IEC Master plan. However, it will provide a valuable input to the revision of this document.

16 Report on activities related to the Memorandum of Understanding (MoU) between IEC, ISO, UN/ECE, etc concerning standardisation in the field of electronic business.

The Secretary reported that the last meeting of the MoUMG was held April 7-8 in Geneva, and that the next will be held Nov 24-25 in Detroit.

The agenda for the next meeting does not contain any "burning" issues for TC3, so nobody is likely to participate from TC3. He added that the participant from IEC is Mr Barta of IEC/CO. The group has called for more active participation from the TCs of IEC, but because of time and cost this can only be done in exceptional cases from TC3. However, we try to keep informed on what is going on, and provide information when required.

Dr Radley informed that although SC3D is underrepresented directly in MoUMG, they meet participants from this group in other contexts, so there are speakers for us, e.g. at the dictionary summits.

Mr. Reuter asked if there is a dictionary available, in the same style as IEC 61360, for commercial properties (EDIFACT). The answer was that EDIFACT properties are available on the web, but not in the same way – not as rigorously defined.

Mr. Dijkstra added that compared to IEC 61360 the work on the commercial side is still immature.

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17 Report on activities related to ACET and ACET4.

Dr. Radley reported that he and the Secretaries of SC3D had been present at the last physical meeting of ACET for and ACET in April this year.

As before the activities had been very focused on TC93 issues, especially the fact that US had decided to leave the Secretariat. (The situation has later changed, US has decided to pick it up again.)

Of special interest for TC3/SC3D in this context was the compatibility project for dictionaries, managed by TC93/WG6.

An issue of general interest is Copyright/IPR issue with regard to the use of dictionaries. This subject was from ACET4 brought to the attention of ACET, which in turn reported to SMB.

The Secretary reported that SMB had taken the following recommendation 0304/11 - *Availability of IEC 61360-4 for electronic dictionaries*:

The SMB gave a favorable opinion to this request and requested that this be forwarded to the CB for the SPC to consider, since if the free-availability of 61360-4 is not granted, manufacturers will use other available equivalent specifications and not use the IEC standard.

The SMB recommends that a general license to use the IEC 61360 dictionary with the following conditions be granted:

- *permission to use any class or property identifiers in information exchange for the description of components and their characteristics;*
- *permission to use any class or property definitions in electronic format in information exchange;*
- *prohibition of the use of the whole or any substantial part of the dictionary in any format for commercial purposes (sale, hire, exchange etc.) except when exchanging data.*

The meeting was satisfied with this recommendation.

18 Discussion of future work in the area of documentation

The Chairman reported that a Task Force had been set up at the previous meeting in Prague to do some "stage 0" work based on a previously circulated questionnaire, document 3/591/DC.

However, the other task forces had been given priority, and no work had actually been carried out in the appointed group.

Of the four defied topics were the following two most interesting:

(2) Documentation of products, systems and plants with integrated technologies; and

(3) Integration of documentation into products, systems and plants

At the present meeting also topic (4) Semi-automatic and automatic generation of documents and documentation, was brought to the attention.

Mr Stuehler pointed out that presently a number of tools are coming on the market, claiming that they can be used for automatic generation of documentation.

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Decision: It was decided to keep this as a work item, but with lower priority than the following.

Work on Blank detail specifications: Germany has offered to forward a draft for consideration.

Report to the next meeting.

19 Review the P- and O- membership of the committee

CH has withdrawn from its participation.

Yugoslavia has changed to Serbia and Montenegro

Comment by the Secretary: There are no country codes assigned for Serbia and Montenegro in ISO 1366. They are part of the Federal Republic of Yugoslavia (YU, YUG, 891).

20 Discussion of the Draft Strategic Policy Statement decisions taken in the sub-committees.

SC3C: The change of scope of JWG11 should be reported to SMB. Will provide full input within 3 weeks.

SC3D: The setting up of the JWG for the ISO/IEC Guide on properties should be mentioned. Will provide full input within 3 weeks.

In this context a discussion took place regarding the numbering of projects in the projects database in IEC/CO:

- The database standards are not listed as projects in the print-outs of ongoing work.
- Projects dealt with in accordance with the “normal database procedure” do not appear at all in the list of projects
- Projects dealt with in accordance with the “extended database procedure” are listed, since they involve the circulation of documents.
- As the symbols database is updated by the secretary after the completion of such a “extended” project, it is not automatically “killed” when completed.

The result is that the project list is misleading with regard to the work going on: The normal database projects are not noticed at all, the projects involving the circulation of documents are noticed, and there are many of them (68 completed in SC3C) mostly done far quicker than usual resulting in a very good statistics if they are properly “killed” in the project database, if not, they might easily become “late projects”.

It is necessary to prepare some kind of procedure for how the processing in the database standards should be reported.

Decision: The difficulties with the relation between the database standards and the projects should be reported in the RSMB.

21 Review of liaisons with other bodies (not already covered), and to specifically consider related decisions in the SCs (all reports to be circulated in advance of the meeting)

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21.1 IEC TC16 Terminal markings and other identifications [Liaison officer: Mr. E. Selvik], document 3/694/INF

The written report was considered. There were no comments.

21.2 IEC TC44 Safety of machinery - electrotechnical aspects [Liaison officer: To be appointed]

The Chairman noted that we presently do not have any officially appointed liaison officer, since Mr Viitanen retired. A call for a new liaison officer by document 3/674/AC, has so far not resulted in any result.

Mr. Sirviö mentioned that FI was not in a position to continue the task of Mr Viitanen.

Mr. Thorn presented a meeting document 3(Montreal/Thorn)10 about activities related to IEC TC44.

One of the subjects dealt with in the document is the symbols for and functional bonding for which changes had been proposed. Prof Ikeda informed that SAC3C had decided to use the wording proposed by TC16 for the CDV voting.

21.3 IEC TC65 Industrial-process measurement and control [Liaison officer: To be appointed].

The Chairman noted that we presently do not have any officially appointed liaison officer, since Mr Viitanen retired. A call for a new liaison officer by document 3/675/AC, has so far not resulted in any result.

No further information was available.

21.4 IEC TC93 Design automation

No report was available. The liaison to this committee need to be reconsidered when it has been properly restarted.

21.5 ISO TC10 Technical drawings, product definition and related documentation [Liaison officer: Mr. J. Aagaard].

No report was available. The Secretary mentioned that he had been promised a report, but none had been received. ISO/TC10 is presently having meetings in Sidney in Australia.

The Secretary was asked to circulate any reports that could come out of that meeting.

It was also noted that a WG on the application of reference designation had been set up within ISO/TC10. This group had its first meeting in the beginning of the week. No information was therefore presently available.

21.6 ISO TC184/SC4 Industrial automation systems: External representation of product definition data.

No report except the one given provided from JWG9 was available.

22 Review the work program of TC3, document 3/692/INF

As mentioned earlier, the list of projects provide an incomplete view of what work that is actually going on in the TC and SCs with respect to the database standards.

This subject will be brought up in the report to the SMB.

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23 Note of and consideration of marketing efforts: the Documentation pamphlet. Seminar activities. Zone on the IEC web site. Reports from the National Committees.

This subject had to some extent been dealt with during the Workshop, especially with regard to the new facilities that IEC/CO will provide.

Prof Ikeda informed that the JP NC is presently transferring IEC standards into JP National standards. Mr. Kato described that it is sometimes very difficult to prepare the Japanese variant, since many of the concepts in the TC3 documents are abstract and often difficult to find a Japanese correspondence for. He therefore asked for more concrete examples that would help in this process, and suggested that informative annexes with examples should be to a higher degree than presently.

Mr. Thorn added that this is not a problem just with the Japanese language; also the Danish variant of IEC 61346 was difficult to prepare.

The Chairman said that this kind of feedback is very useful and that the proposal needs to be considered carefully.

Mr. Stuehler noted that we have two kinds of marketing issues: for "insiders" and for users. Background information might be useful for the preparation of National variants, but this is usually not available to other than those directly involved in the work.

Mr. Reuter pointed out that:

The Convenor of the working group, usually the same person as for the MT, can be asked and provide further information.

There has always been a balancing need between "textbooks" and concentrated standards. The conclusion so far has normally been that we do not want textbooks.

It would be possible to write supplementary guidelines, but we lacking sponsors for that kind of work.

The conclusion was that when additional guidance is required for the preparation of National variants contact the MT convenor.

Also, the new facilities for TC sites might be used to provide FAQ's, but this will need to be looked into when we learned how to use the tool.

24 Note of the use of the TC3 web site on the IEC-server <http://tc3.iec.ch>. Presentation pages on the web

The Chairman mentioned that this site may obviously now be moved into the new infrastructure provided by IEC/CO, as soon as practical. The result is to be demonstrated at the next workshop.

In this context the question was raised whether there are any possibilities to block the scanning of e-mail addresses on these sites. Search engines are used to scan openly shown names and e-mail addresses and the name lists are then used for "spam".

This problem should be brought to the attention of the IEC/CO. However, there were no ideas on how to stop it.

25 Date and place of next meeting 2004. Preliminary planning for 2005.

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The place for the meeting 2004 is presently not decided. We have made a (late) question for participation Seoul, but will probably not get an opportunity to get there.

The delegates were therefore asked for invitations.

The time for the meeting would be October, with a schedule similar to the one applied this year.

For 2005 we have received an invitation to the GM in South Africa.

A TC3 co-ordination meeting with TC3 officers is to be planned in the context of the ACET meetings in Geneva.

Regarding the Workshop: We have often been speaking about reaching a broader audience at the GM, but noticed that it is difficult to find a time where other committee members could attend. A possible solution would be to let horizontal committees present themselves at the TC officers Workshop, during the time (1 h) when the results of the break out sessions are compiled (i.e. to replace the keynote speaker this say 4 presentations from horizontal committees.

26 Other business

Frans van Noesel will retire as SC3D Secretary by the end of the year. He thanked for the co-operation within the committee.

The Chairman thanked Frans van Noesel for all contributions and handed over a present. (A book on Montreal in which all participants wrote their signatures.)

27 Close of the meeting

The Chairman closed the meeting and thanked the hosting Canadian National Committee for the excellent facilities provided.