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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

Unconfirmed minutes from the meeting of TC 3 held in Tokyo 2014-11-06

Chairman of TC 3: Mr. Hans Brückner (Germany)

Chairman at meeting: Mr. Eirik Selvik (Norway)

Secretary: Mr. Sven-Anders Lejdeby (Sweden)

IEC/CO: Mr. Matei Cocimarov

	Name of delegate	National Committee (function in TC3)
Yongmei	Gao	China
Yagi	Ji	China
Hankui	Ke	China
Xiaoqiang	Wang	China
Yanhong	Zeng	China
Arto	Sirviö	Finland (Chairman SC 3C)
Joseph	Briant	France
Leo	Stuehler	Germany
Reinhard	Nerke	Germany (Secretary SC 3D)
Fritz	Reuter	Germany
Sumio	Araki	Japan
Kazuhide	Horisaka	Japan
Akira	Hosokawa	Japan
Hiroaki	Ikeda	Japan (Assistant Secretary SC 3C)
Kiyoshi	Kato	Japan
Hiromi	Kowata	Japan
Hiroshi	Murayama	Japan (Chairman SC 3D)
Yoshikazu	Seki	Japan (Secretary SC 3C)
Noboru	Takao	Japan
Mikio	Takaoka	Japan
Lan	Wang	Japan
Addie	Dijkstra	Netherlands
Leif	Aanensen	Norway
Per-Åke	Svensson	Sweden

Czech Republic participated by correspondence

Number of participants: 28, representing 9 National committees

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1. Opening of meeting

The Secretary welcomed all participants and informed that the Chairman, Mr Hans Brückner, has sent his excuse for not being able to come to the meeting.

The Secretary proposed Mr Eirik Selvik for Chairman of the meeting. The proposal was accepted.

Mr Selvik thanked for the confidence and opened the meeting. The meeting started with a presentation of all participants.

2. Approval of the agenda, document 3/1190/DA

The draft agenda, 3/1190/DA, was circulated three month before the meeting. The Secretary presented the latest version of agenda which contains the same items as the first edition but also references to all available relevant documents and proposed that this document should be used in the meeting.

The agenda was approved.

The Czech national committee has sent their comments to the preliminary agenda for participation by correspondence to TC 3 plenary meeting.

3. Note the approval of the minutes from the previous meeting of TC 3 in Prague 2013-10-11, document 3/1174A/RM

The report from TC 3 plenary meeting in Prague, 3/1174A/RM, has been circulated to the NCs. No comments were received and the report has been automatically approved.

4. Information from the IEC Central Office, document 3(Tokyo/CO)24

TC 3 Technical Officer, Mr Cocimarov, presented new information from IEC central office. The information is shown in the attached document 3(Tokyo/CO)24.

Some notifications:

- A guideline for "IEC code of conducts" is under preparation by SMB
- Some new information in IEC ACs (see the presentation)
- New edition of ISO/IEC directives and IEC supplement, 2013-10 and 2014-05, (see the presentation)
- New IEC standard template, see AC/25/2013
- Principles laid down by WTO for the development of international standards, see C/1582/INF

It was also noted that the designation Horizontal committees do no longer exist, but IEC still have horizontal standard. It was discussed how rules for a certain area prepared by a "system committee", like TC 3, will be transferred to product committees concerned (see also item 7).

A question regarding the availability and awareness of standards in database format was discussed in the meeting. When referring from any standard to items (e.g. specific symbols) in the standards in database form shall the reference point directly to the actual term in the database / standard and not to a dated "snapshot" of the database.

5. Report from the Chairman of TC 3 and inform about SMB decision on new Chairman of TC 3, document SMB/5340A/RV

The Secretary presented a mail from the Chairman, Mr Hans Brückner, with his excuses for not being able to come to the meeting. He also send his best wishes for the meeting and for his successor, Mr Eirik Selvik.

The meeting accepted his excuse and the participants expressed their warmest regards back to Mr Brückner and his family.

It was noted already in the plenary meeting 2012 in Prague that Mr Brückner should go for retirement from his company, but his term of Chairman for IEC TC 3 ends in Nov 30, 2013. The Swedish NC, holding the Secretariat, has proposed Mr Eirik Selvik for next Chairman of TC 3, as recommended by the TC 3 members as well.

After voting SMB has approved the nomination of Mr Eirik Selvik as Chairman of TC 3 for the period 2014-12-01 to 2020-11-30.

6. Report from the co-ordination meetings with TC 3 Officers in Geneva 2014-06-10--11, document 3(Geneva/Secretariat)18A

The report from TC 3 co-ordination meeting in Geneva was presented and accepted without comment.

7. Report from the Secretary of TC 3, including actions taken as a result of the minutes from the meeting in Prague and the later co-ordination meeting, document 3/1198/INF, 3(Tokyo/Secretariat)03A, 3(Tokyo/Secretariat)04, 3(Tokyo/Secretariat)11

The Secretary presented the report and the actions taken on the decisions from the plenary meeting in Prague. Additional to the "main report" three reports were presented and reviewed:

1. List of TC 3 horizontal standards and Basic Safety standards

It was noted that TC 3 and sub committees, at this time, have 22 standards with status Horizontal and 5 status Basic Safety.

The list shows the status of horizontal standards as noted in TC 3 dashboard dated 2014-10-29. The status of being a horizontal standard shall be noted in the scope of the standard. The status is decided by Standardization Management Board (SMB) after voting on a question of principles. It is recommended to present a QP latest at the CDV stage.

The assignment of horizontal safety function is the responsibility of IEC Advisory Committee on Safety (ACOS) and subject to confirmation by SMB.

Information on the preparation and use of basic safety publications and group safety publications can be found in IEC Guide 104.

Mr Reuter put a question on the notification of the working draft to be assigned horizontal standard in the preparation state of the standard.

Decision 1 : TC 3 decided at its meeting in Tokyo to set up an ad-hoc group with the task to propose an improvement of the notification of the intention, and the decision, of standard being designated as horizontal. The ad-hoc group shall consist of Mr Reuter (leader), Mr Svensson and Mr Ikeda.

Decision 2 : TC 3 decided at its meeting in Tokyo to ask the Secretary to prepare a document for comments to the NCs with the proposal of notification of horizontal standard and in next step send it to SMB as QP document.

2. List of publications with validity period expiring

It was noted that TC 3 has 13 documents with stability date 2015 or earlier. Of these are 3 in preparation for new editions. Review reports have to be circulated for 4 standards. The meeting decided to discuss the stability dates in conjunction to the actual items in the agenda.

Decision 3 : TC 3 decided at its meeting in Tokyo to ask the Secretary to prepare review reports for the standards with validity date expiring 2015, according to 3(Tokyo/Secretariat)04.

3. Proposal of new description of TC 3 Scope

It was decided in TC 3 plenary meeting in Prague that the description of the TC 3 scope should be updated. A proposal of new scope was prepared and circulated as 3/1186/DC with closing 2014-06-06. The attached document presented the result of the voting and compilation of comments (also

presented at TC 3 web page). Annex B to the document presents the final proposal taken the NC comments in consideration.

The meeting agree to the text and asked the Secretary to include the proposal in the report to SMB.

Decision 4 : TC 3 decided at its meeting in Tokyo to accept the proposal of changed description of scope for TC 3 in accordance with the circulated document 3/1186/DC and comments received from the NCs.

Decision 5 : TC 3 decided at its meeting in Tokyo to ask the Secretary to arrange with CO to prepare changes of TC 3 Dashboard in accordance with the decisions in the meeting.

8. IEC 60617 Graphical symbols for diagrams

8.1. Report on the status of the IEC 60617 data base and on the implementation of the procedures, document 3/1201/INF

The report was accepted as written.

8.2. Report from the Validation Team for IEC 60617 on validated graphical symbols in the IEC 60617 data base, document 3/1202/INF

The report was accepted as written.

8.3. Report from the Maintenance Team for IEC 60617, document 3(Tokyo/MT60617)17

The convenor, Mr Sirviö, presented the report from MT 60617 and also referred to the discussions in TC 3 workshop the day before the plenary meeting.

It was discussed in the plenary meeting that TC 3 requires support from IEC CO IT group for the planned improvement of the database. We have no commitments from CO regarding this support but we have prepared a detailed request of actions to be taken.

Mr Nerke indicated that SC 3D has a similar problem regarding support to CDD.

Mr Cocimarov proposed that TC 3 should make a list of required activities regarded to all databases and ask CO IT group about the capacity for managing these requirements. Additionally he proposed that the support activities should be discussed with other committees holding standards in database format, for coordination of the requirements to CO.

Mr Reuter proposed that the document including a request of statement regarding available resources, should be directed both to CO IT group and SMB.

Decision 6 : TC 3 decided at its meeting in Tokyo to ask MT 60617 to write a report including the principle requirement for improvement of the database. Not to lose time should the report be prepared within a month.

Decision 7 : TC 3 decided at its meeting in Tokyo to ask CO to clarifying the budget for providing the resources for the necessary development and maintenance activities and if necessary prepare a Question of Principle to the SMB regarding the resources.

9. 81714 series Design of graphical symbols for use in the technical documentation of products

9.1. Report from the Convenor of MT 81714

The Convenor, Mr Fritz Reuter, reported that there are no parts of the series in the process for editing at the moment.

10. IEC 62744 Representation of states of objects by graphical symbols

10.1. To consider the Report from the Convenor of PT 62744, document 3/1203/INF

The Project leader, Mr Lejdeby, presented the report from PT 62744 and noted that IEC 62744 is in FDIS stage.

11. IEC 61082 Preparation of documents used in electrotechnology

11.1. Report from the Convener of MT 61082

No report available.

The Secretary informed that the work on Edition 3 of the standard has passed FDIS stage and will soon be published.

The Convener of MT 61082 is the leaving Chairman of TC 3, Mr Brückner. It is unclear if he will be able to continue in the role or if call for new Convener is required.

Secretary note: Mr Brückner announced in mail after the meeting that he not will be able to carry the role of Convener in any team, but he can stay in the teams as corresponding member for next year.

Decision 8 : TC 3 decided at its meeting in Tokyo to ask the Secretary to circulate a call for new Convener to MT 61082.

12. IEC 60848 GRAFCET specification language for sequential function charts

12.1. Report from the Convener of MT 60848

The Convener, Mr Lejdeby, noted that there has been no new activities in the team.

13. IEC 81346 Ed. 2 - Structuring principles and reference designations and IEC 61666 Ed. 2 - Identification of terminals within a system

13.1. Report from the Convener of MT 81346 and MT 61666, document 3(Tokyo/MT81346)08

The Convener, Mr Selvik, presented the report from MT 81346 and specially mentioned that the work on 81346-2 edition 2 has started in the TC 3 maintenance team. Experts from ISO/TC 10/ SC 10 are invited to participate.

No activities to be reported on IEC 61666.

Additional Mr Reuter called the attention to the fact that he was nominated as expert to the ISO team for 81346-12, but he has been refused access to working documents in ISO collaboration tool. Mr Cocimarov questioned that the registration of participation in the team has been managed correctly. A reason for the problem can also be that the participant (Mr Reuter) has to be noted as Liaison Officer.

Decision 9 : TC 3 decided at its meeting in Tokyo to ask Mr Selvik and the Secretary to check up the rules for access to working documents in ISO collaboration tool for working group participants.

13.2. To consider the liaison between IEC/TC 3 and ISO/TC 10/SC 10 regarding the 81346 series of standards and report from CORG 81346

Mr Selvik informed that the coordination group for the 81346 series of standard, CORG 81346, held a meeting in Berlin, January 2014. From the meeting it can be noted that ISO/TC 10/SC 10 has decided to set up working groups for development of the new parts of 81346 proposed by ISO. It was agreed that the whole series shall be prepared in liaison between ISO/TC 10/SC 10 and IEC/TC 3 and it is requested that all parts of the series must be coordinated with part 1 and 2. Respectively working groups shall be open to participation by experts from both committees and both groups shall have full access to working documents.

Some unclearness regarding the proposed part 10 of the standard was noted. The Secretary informed that it was agreed with ISO/TC 10 that the part could be proposed as a technical specification but after the voting on new work item proposal it has been unclear if the work on this part will be started or not.

Decision 10 : TC 3 decided at its meeting in Tokyo to ask Mr Selvik to check up and report the status of the work on ISO 81346-10

14. IEC 61175 Designation of signals

14.1. Report from MT 61175, document 3(Tokyo/MT61175)07

The Convenor, Mr Lejdeby, presented the report from MT 61175 and notified that the standard will be changed to IEC 61175-1 Ed. 1. The preparation of IEC 61175-1 Ed. 1 has passed the CDV stage and a FDIS will be circulated by CO.

15. IEC 62491 Ed. 1 Labelling of cables and cores

15.1. Report from the Convenor of MT 62491

The Convenor, Mr Lejdeby, noted that there has been no activities in the team.

16. IEC 61355 Ed. 2 Classification and designation of documents for plants, systems and equipment

16.1. Report from the Convener of MT 61355

No report available but it was noted that the standard is available in two forms, IEC 61355-1 is the complete standard in "printed form" and the database form, IEC 61355DB, includes the definitions of document kinds. The validity date of IEC 61355-1 will expire in 2015. It was discussed if this version could be suspended and replaced by IEC 61355DB. It was concluded that both parts are required but the referencing to the database standard needs to be improved.

Mr Reuter proposed that the part of IEC 61355-1 that is covered by IEC 61355DB will be replaced by a single sheet indicating that this part is replaced by the database, also including a link to IEC 61355DB. If this should be managed by publishing a corrigendum, amendment or other kind of document shall be discussed with CO.

It was also noted that the Convenor, Mr Brückner, will have to end his engagement as Convenor. Call for a new Convenor is required (see comment to item 11.1).

Decision 11 : TC 3 decided at its meeting in Tokyo to ask the Secretary to circulate a call for new Convenor to MT 61355.

Secretary note: after the meeting the Danish NC has nominated Mr Henrik Balslev for new Convenor of MT 61355.

17. IEC 62023 Structuring of technical information and documentation and IEC 62027 Preparation of parts lists

17.1. Report from the Convenor of MT 62023 and MT 62027

No report available.

New convenor for both maintenance teams is Mr Henrik Balslev.

18. IEC-ISO 82045 Document management

18.1. Report from the Convener of MT 82045, document 3(Tokyo/MT82045)14

The Convenor Mr. Reuter reported that no meetings have been held in the last year but a corrigendum to IEC 82045-2 has been prepared and published.

Mr Svensson indicated that part 2 includes a big number of metadata for documents. Those are data element types that should be included within IEC CDD. Mr Reuter mentioned that the definition of DETs has been discussed but the resources required for to prepare change request in CDD is not available. A new part of 82045 (preliminary 82045-5) was planned to be prepared by JWG 15 and published by ISO but the existence JWG 15 is unclear (JWG 15 does not exist in the TC 3 Dashboard).

Decision 12 : TC 3 decided at its meeting in Tokyo to ask the Secretary to check up the status of JWG 15.

Secretary note: after the meeting it has been checked up that JWG 15 has been disbanded as decided at TC 3 plenary meeting 2010 and agreed with ISO/TC 10. The preparation of a new part related to Archiving (part 5) should be deleted from MT 82045 in the programme of work.

19. IEC 82079-1 Preparation of instructions for use - Structuring, content and presentation

19.1. Consideration of the report from the Convenor of MT 82079 and JWG 16

The Convenor of both MT82079 and JWG 16, Mrs Fleischer, was not available at the meeting but the reporting was delegated to Mr Ikeda.

Mr Ikeda presented the report from the Convenor of JWG 16 and reported from the first meeting of group held in Tokyo two weeks before TC 3 plenary meeting.

JWG 16 start the work on edition 2 of IEC 82079 with a publication planned to end of 2016.

A proposal of new title to the work and the standard was discussed in the meeting of JWG 16. The proposal will be further discussed in the next meeting and later presented to TC 3. Even so, the proposal was discussed in the plenary meeting. It was concluded that a decision on new title could not be taken in this plenary meeting but the proposal should be circulated to the NCs of both IEC and ISO for voting.

The report also included a minor change of the mutual agreement between ISO/TC 10/SC 1 and IEC/TC 3.

Decision 13 : TC 3 decided at its meeting in Tokyo to ask Mrs Fleischer and the Secretary to circulate the final proposal for new title of JWG 16 and 82079 series of standards to the NCs in document for comments.

19.2. To consider the liaison between IEC/TC 3 and ISO/TC 10/SC 1 regarding the 82079-series of standards and to move the work of MT 82079 into JWG 16

As reported JWG 16 has been established which means that MT 82079 can be disbanded.

Decision 14 : TC 3 decided at its meeting in Tokyo to disband MT82079 and request the experts to instead join JWG 16.

20. IEC/PAS 62569 Generic Specification of Information on Products (GSIP) and IEC/PAS 62515: Requirements concerning the interoperability between electromechanical and electrical applications in CAX-systems

20.1. Report from PT 62515, document 3(Tokyo/PT62515)10

The Convenor Mr Reuter presented the report from PT 62515 and proposed that task of the project will be moved to PT 62569.

20.2. Report from PT 62569, document 3(Tokyo/PT62569)12

The Convenor Mr Reuter presented the report from PT 62569 and noted that the intention to change IEC/PAS 62569-1 into an IS.

PT 62569 also intend to start the work on part 2 and 3. New work item proposals have to be prepared for these parts.

Decision 15 : TC 3 decided at its meeting in Tokyo to ask Mr Reuter and the Secretary to circulate new work item proposals for all parts of IEC 62569 proposed to be standards.

20.3. To consider the proposal to move the work of PT 62515 into PT 62569

The proposal from Mr Reuter to move the task of PT 62515 into PT 62569 was presented. The meeting agreed with the proposal and asked the Secretary to report the change. The members of PT 62515 are requested to join PT 62569. Mr Reuter will stay as Project leader for PT 62569.

Decision 16 : TC 3 decided at its meeting in Tokyo to disband PT 62515 and move the task of PT 62515 into PT 62569.

21. IEC 62507 Ed. 1 Rules for identification systems

21.1. To consider the request for new Convenor of MT 62507

The Secretary noted that call for new Convenor of this team has been circulated but without any result.

Mr Svensson informed that the Swedish NC has discussed the issue and may have a possibility to propose a new Convenor.

Decision 17 : TC 3 decided at its meeting in Tokyo to ask the Swedish NC to check the possibility to find a new Convenor for MT 62507.

22. Basic and safety principles: IEC 60073 Coding principles for indicators and actuators; IEC 60445 Identification of equipment terminals, conductor terminations and conductors and IEC 60447 Actuating principles

22.1. Report from the Convenor of MT 60073; MT 60445 and MT 60447, document

The Convenor of the three teams, Mr Selvik, reported that it has been no activities in the maintenance teams in the past year.

Call for experts to all three maintenance teams has been circulated. Four new experts are noted in EMS. The Czech NC informs that they have no suitable experts for inclusion in the work mentioned for the MTs.

The Secretary presented a proposal from German NC regarding additional colour coding to be used on conductors. MT 60445 will consider the German proposal of colours on conductors and also address the proposal to TC 20; TC 41; TC 44 and TC 64 for mutual decision. The proposal should be presented in an annex to the planned review report for IEC 60445 (see Decision 3 :).

Decision 18 : TC 3 decided at its meeting in Tokyo to ask the Convenor for MT 60445 to consider the German proposal of new colours on conductors.

23. Safety requirements marking: IEC 60152 Identification of phases by hour numbers of the phase conductors of 3-phase electric systems; IEC 60757 Code for designation of colours and IEC 61293 Marking of electrical equipment - Safety requirements

23.1. Report from the Convenor of MT 60152; MT 60757 and MT 61293

The Convenor of the three teams, Mr Selvik, reported that the stability date of IEC 60757 has been extended to 2020. Apart from that no activities in the maintenance teams can be reported from the past year.

Call for experts to all three maintenance teams has been circulated. One new experts in each team are noted in EMS. CZ NC informs that it has no suitable experts for inclusion in the work mentioned for the MTs.

24. IEC/TS 62666 Ed. 1 Guidelines for the inclusion of documentation aspects in product standards

24.1. To consider the proposal to disband PT 62666.

The Secretary presented the proposal from the coordination meeting to disband PT62666 and to ask the secretary to update the IEC/TS 62666 with regards to new editions of the referenced documents in the TS.

Decision 19 : TC 3 decided at its meeting in Tokyo to disband PT62666 and to ask the Secretary to update the IEC/TS 62666 with regards to new editions of the referenced documents in the TS.

25. Report from the Chairman of SC 3C - Graphical symbols for use on equipment - and relevant decisions, See Annex A [reported at meeting: 3(Tokyo/SC 3C)22]

The Chairman of SC 3C, Mr Arto Sirviö, presented the daily report from the SC3C plenary meeting.

It was noted that the work groups in SC 3C has been very active in the past year. IEC 60417DB has been extended with 102 new or modified graphical symbols for use on equipment. The validation team has treated 41 new CRs to the database. SC 3C has also continued the collaboration with a lot of other TC/SCs.

Find the full report from SC 3C plenary meeting in Annex A.

26. Report from the Chairman of SC 3D - Data sets for libraries - and relevant decisions, See Annex B [reported at meeting: 3(Tokyo/SC 3D)23]

The Chairman of SC 3D, Mr Hiroshi Murayama presented the minutes of meeting from the SC 3D plenary meeting.

It was reported that SC3D discussed in its plenary to develop a better expression of its scope. SC 3D plenary meeting decided to ask the Secretary to circulate a document on the final draft of the new scope statement to NCs for comment and if no further comment is received in one month, the Secretary will send the new scope statement to SMB for authorization.

The process of handling this type of proposals was discussed. The meaning of the TC 3 meeting was that the proposal to SMB of changing the scope definition of a subcommittee shall come from the TC. Therefore it was recommended that SC 3D will send their final proposal to TC 3 Secretary for circulation to TC 3 NC or bring the proposal to next plenary meeting of TC 3.

Decision 20 : TC 3 decided at its meeting in Tokyo to ask the Secretary of SC 3D to send the proposal of new scope definition to TC 3 Secretary for decision within TC 3 before it can be reported to SMB for final decision.

Mr Briant gave a comment to the report requesting more formal and clear distinction between meetings of SC3D and meetings of SC3D/WG2. The Chairman stated that the comments will be considered for future meetings.

Find the full report from SC 3D plenary meeting in Annex B.

27. To consider the status of the reported work of the task force with the task to investigate how the NCs participation in the activities of the validation teams can be improved.

The Secretary informed that the task force report, after circulation to the NCs, was sent to CO (Mr Cocimarov and Mr. Sheldon). The proposal from Mr Cocimarov is to prepare a shorter and more precise recommendation for changing of the process, which can be presented to SMB for voting. For best possibility of positive answer from SMB should the task be discussed and supported by other committees, as well.

Mr Reuter mentioned that the German NC has discussed the matter with the focus on making the voting in validation teams more visible for the NCs. It is proposed to circulate a document for commenting (DC) when the validation of a change request is started. This has already been tested by SC 3D and seems to make an improvement of the process.

Decision 21 : TC 3 decided at its meeting in Tokyo to recommend the Secretaries of TC 3, SC 3C and SC3C to in addition to the ordinarie process also inform via the normal IEC CO document distribution process when the validation of a CR (change Request) is being started.

Decision 22 : TC 3 decided at its meeting in Tokyo to ask the Chairman and the Secretary to prepare a proposal of improved process in the validation teams to next TC 3 Officers meeting.

28. To receive a report on activities related to the Memorandum of Understanding (MoU) between IEC, ISO, UN/ECE

No report available.

29. Review of the P- and O- membership of the committee, document 3/1200/INF

TC 3 has 21 P-members and 11 O-members. The participation in working groups is mainly concentrated on a few P-members. Nearly half of the P-members have no participants in PTs or MT's.

Participation in voting is good with an average of more than 90%. Six documents have been requested for voting in the period.

30. Review of liaisons with other bodies and to specifically consider related decisions in the SCs, document 3(Tokyo/Secretariat)05

The Secretary presented a report of the actual status of liaisons with other committees. The report was discussed and accepted.

It was noted that TC 3 has no active liaison with ISO/IEC JTC 1/SWG 5, the liaison can be closed.

Decision 23 : TC 3 decided at its meeting in Tokyo to close the liaison with ISO/IEC JTC 1/SWG 5 Internet of Things.

30.1. IEC SC 211A Low-voltage switchgear and controlgear

The Liaison Officer, Mr Reuter, noted that it has not been any activities to report in the last year.

30.2. IEC TC 44 Safety of machinery - Electrotechnical aspects

The Liaison Officer, Mr Sirviö, noted that a CDV on IEC 60204-1 recently was closed with a big number of comments.

30.3. IEC TC 57 Power systems management and associated information exchange

The Liaison Officer, Mr Lejdeby, reported that the coordination with TC 57 in relation to IEC 61175-1 has been accomplished. Further coordination in relation to a second part of the standard may be required but the work is not yet planned.

30.4. IEC TC 65 Industrial-process measurement and control, Document 3/1199/INF

The report by the Liaison Officer, Mr Doebrich, was accepted as written.

30.5. ISO TC 10 Technical product documentation, Document 3(Tokyo/Secretariat)06

The Liaison Officer, Mr Lejdeby, presented the report related on liaison with ISO/TC10 regarding 81346 and 82079 series of standards. It was noted that we additionally have appointed a Liaison Officer to ISO/TC 10/ SC 10 but we have no Liaison Officer to ISO/TC 10/SC 1 regarding the joint work on 82079 series of standard. Mr Ikeda, member of JWG 16, was nominated for Liaison Officer

Decision 24 : TC 3 decided at its meeting in Tokyo that TC 3 shall propose liaison with ISO/TC 10/ SC 1. Liaison Officer to be Mr Hiroaki Ikeda.

30.6. ISO/TC 10/SC 10 Technical product documentation, Process plant documentation

No report available but it is referred to report at item 13.2 and 30.5.

30.7. ISO/IEC JTC 1/SWG 5 Internet of Things (IoT)

No report available.

31. Update of the work program of TC 3, Document 3/1204/PW

The Secretary presented the latest program of work as received from CO. The items were shortly discussed. The meeting proposed that the Chairman and the Secretary should finalize the report to CO and SMB in accordance to the discussions.

Decision 25 : TC 3 decided at its meeting in Tokyo to ask the Chairman and Secretary to update the SPB and to consider the proposed changes.

32. To consider proposed changes to TC 3 Strategic Business plan, document SMB/1519/SBP

A revised version of the SBP was circulated as draft to the NCs after the plenary meeting in Oslo. Initiated by the integration of former TC 16 into TC 3 a new draft was prepared for consideration in the coordination meeting in Geneva but no official revision of the SBP has been sent to SMB for approval in 2013.

It was noted that the title of TC 3 has been updated due to the integration of the tasks of the former TC 16. The new title will be "*Information structures and elements, identification and marking principles, documentation and graphical symbols*"

32.1. Reported proposals from National Committees regarding changes to SBP, document 3(Tokyo/Secretariat)15

TC 3 strategic business plan was circulated to the national committees for comments in 3/1192/DC, with the closing date 2014-10-17.

The Secretary presented a draft compilation of comments to the DC and noted some items for discussion. The plenary meeting accepted the comments and asked the Secretary to update the SBP in accordance with the compilation.

Decision 26 : TC 3 decided at its meeting in Tokyo to ask the Secretary to update the SBP and send the updated version to SMB as parts of the RSMB.

33. Notes and considerations of marketing efforts

33.1. Reports from the National Committees

Czech Office for Standards (UNMZ) publishes two other publications that will be useful and freely available for Czech users (i.e. for small and medium businesses, as well as for students and others): "Public information symbols - Selection" and "Safety signs - Selection" (written by ESiCCO).

34. Date and place of next plenary meeting

34.1. To consider invitation to held the plenary meeting in Stockholm

The Swedish national committee has invited TC 3 to hold the plenary meetings of TC 3 and subcommittees in SEK office in Kista, Stockholm.

Additionally the Czech NC notes in its message to the meeting that, if necessary, the Czech Office for Standards would be willing to organize TC 3 meeting in Prague in 2015.

Decision 27 : TC 3 decided at its meeting in Tokyo to accept the invitation for TC 3 plenary and SC meetings 9 to 13:th of November 2015 in Stockholm, Sweden.

34.2. Preliminary planning for 2016

It was informed that the General meeting 2016 will be held in Frankfurt, Germany but so far no preliminary invitation has been received.

Decision 28 : TC 3 decided at its meeting in Tokyo to plan for TC and SC meetings in Frankfurt if TC 3 will get the invitation to IEC General meeting 2016.

35. Other business

The Secretary presented a proposal to the meeting from the German, 3(Tokyo/Secretariat)09. The proposal consists shortly of the following part:

1. System approach of IEC; ask SMB TC3 to be a System Committee?
2. Decision to distribute all published CR also via the IEC normal distribution channel to all NCs.
3. Withdrawal of publications which have been replaced by the standards in data base format.

Due to lack of time the proposals could not be fully discussed, but it is referred to the discussion at item 4.

Decision 29 : TC 3 decided at its meeting in Tokyo to ask the Chairman and the Secretary to consider the proposals from Germany as noted in 3(Tokyo/Secretariat)09

See also Item 27 and Decision 16.

36. Close of the meeting

The Chairman closed the meeting and expressed thanks for the Japanese national committee for an excellent hospitable.

Annex A
Report from Chairman and Secretary of SC 3C

Unconfirmed minutes of SC 3C meeting held in Tokyo, Japan, on 2014-11-05

Attended

CHAIRMAN	Arto SIRVIÖ (Finland)
SECRETARY	Yoshikazu SEKI (Japan)
ASSISTANT SECRETARY	Hiroaki IKEDA (Japan)

PARTICIPANTS

CHINA

Hankui KE
Yongmei GAO
Yaqi JI
Xiaoqiang WANG

FRANCE

Joseph BRIANT

JAPAN

Yoshikazu YAMAMOTO
Yoshinari HORIMOTO
Michihiro NAKAHARA
Kazuhide HORISAKA
Hitoshi YOSHIDA

NORWAY

Eirik SELVIK

Czech Republic

Petr Kubes (contribution by document submission)

IEC Central Office

Matei COCIMAROV

OBSERVERS

Sven-Anders LEJDEBY (TC 3 Secretary)

APOLOGIES

United Kingdom

John PERRY

A.1 Opening of the meeting

Chairman Mr. Arto Sirviö opened the meeting at 9:00.

He expressed his appreciation to the host Japan National Committee for hosting the meeting and made welcome speech. He asked all participants to introduce themselves.

It was also noted that there was no request of remote participation for this meeting.

A.2 Approval of the agenda, Document: 3C/1924A/DA 3C, (Tokyo/Secretariat)01

In prior to the meeting, Czech Republic submitted the comments on each item of Draft Agenda, which as issued as 3C(Tokyo/Czech Republic)03.

With the addition of meeting documents 3C(Tokyo/Secretariat)01, 3C(Tokyo/TC26)02, 3C(Tokyo/Czech Republic)03, 3C(Tokyo/Secretariat)04 and 3C(Tokyo/MT60417)05.

It was noted that the referenced document of 3C/MT60417(Convenor)166A referred to in 3C(Tokyo/Secretariat)01 was issued as 3C(Tokyo/MT60417)05.

Further revised Draft Agenda 3C(Tokyo/Secretariat)01 was approved.

A.3 To note the confirmation of the minutes of the meeting held in Prague 2013, Document: 3C/1902/RM

Secretary reported that there were no comments received. Therefore, the approval of the unconfirmed minutes 3C/1902/RM was noted.

A.4 Information from IEC Central Office

IEC Central Office Mr. Matei Cocimarov wished to deliver information from IEC Central Office at TC 3 plenary meeting where most of participants would be present.

A.5 To receive address of Chairman

Chairman delivered his address focusing on the activity of SC 3C.

The address included that SC 3C work was very active. In the past year, many new graphical symbols for use on equipment were released to IEC 60417. SC 3C had continued the co-ordination and collaboration with a lot of other TC/SCs. He added a co-ordination activity with Central Office.

A.6 To receive and discuss report of the secretariat

A.6.1 General report including actions taken on the decisions in the last meeting, Document: 3C/1955/INF, 3C(Tokyo/Secretariat)04

SC 3C noted report from secretariat. No pending issues from the previous meeting held in Prague 2014 were included.

Delegation of China was asked to consider nomination of delegate member(s) to VT 60417.

Report was accepted with a correction to Annex A (The number of nominated experts from China was 0.)

A.6.2 Report on actions taken on recommendations of PT 45 in the past year, Document: 3C/1944/INF

SC 3C noted report from secretariat regarding actions taken by the secretariat on recommendations of PT 45 in the past year.

Report was accepted.

A.6.3 Report from VT 60417 on IEC 60417 regarding Change Requests and graphical symbols in the past year, Document: 3C/1931/INF3C/1937/INF

SC 3C noted report from secretariat.

During the past year, VT 60417 evaluated and/or validated 41 new Change Requests and 102 new graphical symbols were released as International Standards.

Report was accepted.

DECISION 1:

SC 3C in Tokyo decided to ask SC 3C secretariat to circulate Annex B (list of new IEC 60417 graphical symbols) of 3C/1937/INF to the relevant committees.

A.6.4 Report on co-ordination with Central Office held on 2014-06-12, Document: 3C/1941/INF

SC 3C noted report from co-ordination with Central Office on the best use of graphical symbols in the IEC environment.

Report was accepted.

A.7 To receive and discuss reports of WG, PT and MT

A.7.1 Report from JWG 11 with ISO TC 145/SC 3 (Convenor: Ikeda), Document: 3C/1925/INF

JWG11 had no meetings during past year because of no need.

It was noted a change in ISO/IEC Directives which now require to review status of convenor for each of PT/MT/WG after period of three years.

Report was accepted.

DECISION 2:

SC 3C in Tokyo decided to reconfirm Mr. Hiroaki Ikeda as convenor of JWG11 for further three years.
3/1207/RM

A.7.2 Report from MT 62648 Convenor: Ikeda), Document: 3C/1917/INF

SC 3C noted the report from MT 62648.

Report was accepted.

DECISION 3:

SC 3C in Tokyo decided to assign new target date April 2015 for circulating DTR for future ed. 2.0 of IEC/TR 62687 Graphical symbols for use on equipment - Terminology.

A.7.3 Report from MT 60417 (Convenor: Ikeda), Document: 3C/1933/INF

SC 3C noted the report from MT 60417.

Report was accepted.

DECISION 4:

SC 3C in Tokyo decided to reconfirm Mr. Hiroaki Ikeda as convenor of MT 60417 for further three years.

A.7.4 Report from PT 45 on project PWI 3C-1 (PL: Ikeda) , Document: 3C/1932/INF

SC 3C noted report from PT 45.

Report was accepted.

DECISION 5:

SC 3C in Tokyo decided to ask SC 3C secretariat to replace 3C/1882/INF by new 3C/1932/INF and change target date to be 2015-11.

A.8 To discuss projects

A.8.1 IEC 60417-C00317 Ed. 1.0, Graphical symbol for electric energy save, Document: 3C/1928/CD

SC 3C noted document 3C/1928/CD and comments from CZ together with MT 60417 recommendations given in 3C(Tokyo/MT60417)05.

DECISION 6:

SC 3C in Tokyo decided to accept MT 60417 recommendations and circulate CDV document before end of November 2014.

A.8.2 IEC 60417-C00398, IEC 60417-C00399 and IEC 60417-C00400, Graphical symbols for In-circuit control and protection devices (ICCPD) , Document: 3C/1916/INF, 3C/1921/CD, 3C/1945/CC

SC 3C noted comments from PT, DE, DK, JP, AT, SC 23B on 3C/1921/CD. Taking into account MT 60417 recommendations given in 3C(Tokyo/MT60417)05, following decision was taken.

DECISION 7:

SC 3C in Tokyo decided to accept MT 60417 recommendations and fragment the project in multiple parts. The first three graphical symbol proposals shall be circulated as CDV before end of December 2014. IEC 60417-6292 Pr: Cold environment shall be handled separately to meet the requirement of SC 23B. The rest of graphical symbols shall be coordinated with TC 64 and SC 23E taking into account comments from NO and FR delegates before further steps.

A.8.3 IEC 62648 Amd1 Ed.1, Graphical symbols for use on equipment – Guidelines for the inclusion of graphical symbols in IEC publications – Amendment 1, Document: 3C/1923/CD, 3C/1942/INF

SC 3C noted 3C/1942/CC on 3C/1923/CD. Since no effective comments were submitted, the following decision was taken.

DECISION 8:

SC 3C in Tokyo decided to circulate draft as CDV document before end of November 2014.

A.8.4 IEC 62687 Ed. 2.0, Graphical symbols for use on equipment – Terminology, Document: 3C/1898/RR

SC 3C noted document 3C/1898/RR. The meeting agreed to change the target date should be April 2015.

A.8.5 Japanese National Committee proposal for a Technical Report on current practice of some graphical symbols, Document: 3C/1929/DC, 3C/1943/INF

SC 3C noted the list of NC comments 3C/1943/INF on 3C/1929/DC. Since no effective comments were received, the following decision was taken.

DECISION 9:

SC 3C in Tokyo decided to circulate draft as DTR document before end of November 2014.

A.9 To receive report on NC specific activities, if any

SC 3C noted oral report from the delegate of Japan that Japanese National Committee is continuously updating the Japanese variant of IEC 60417. In the event of CEATEC JAPAN 2014 Mr. Yoshinari Horimoto gave presentation about IEC 60417 graphical symbols for use on equipment by emphasizing importance use of graphical symbols for use on equipment.

A.10 Update the Program of Work of SC 3C as recorded by IEC Central Office, Document: 3C/1946/PW

SC 3C noted documents 3C/1886/PW as a dump of the database as of date of issue.

DECISION 10:

SC 3C in Tokyo decided to ask SC 3C secretary to update information on SC 3C Program of Work.

A.11 Review of stability date

SC 3C noted stability dates of SC 3C publications and active projects related to IEC TR 62687 and IEC 62648.

A.12 Review liaisons

A.12.1 Current liaisons, <http://www.iec.ch/sc3c> > Structure > Liaisons, Document: 3C/1922/INF

SC 3C noted the current status of liaison and liaison officers with other IEC and ISO committees.

A.12.2 Received liaison documents since the last meeting, Document: 3C/1900/INF, 3C/1920/INF, 3C/1939/INF, 3C/1936/INF, 3C/1938/INF, 3C/1934/INF, 3C(Tokyo/TC26)02, 3C(Tokyo/MT60417)05

SC 3C noted liaison the report from SC 23B, TC 26, TC 27, TC 66, TC 91, ISO/TC 145/SC 2, ISO/IEC JTC 1/SC 37.

SC 3C noted TC 66 request to delete graphical symbol IEC 60417-6175: Live working, unsuitable for hand-manipulation. This graphical symbol was standardized unanimously by following IEC rules and procedures. Standardized graphical symbol for use on equipment cannot be deleted by a simple request from other IEC TC/SCs.

SC 3C noted TC 26 view on not accepting JP NC counter proposal as replacement of their "S" symbol. SC 3C noted two alternative proposals made by MT 60417 in 3C(Tokyo/MT60417)05. SC 3C continues the work on this project if TC 26 still needs it.

DECISION 11:

SC 3C in Tokyo decided to accept MT 60417 recommendations in document 3C(Tokyo/MT60417)05 taking into account the annexed 3C/MT60417(Convenor)165, History of technical work resulting on IEC 60417-6175 "Live working, unsuitable for hand manipulation" and to ask TC 66 any alternative proposal to be considered by SC 3C for inclusion in IEC 60417. SC 3C secretary was asked to communicate with TC 66.

DECISION 12:

SC 3C in Tokyo decided to set up liaison between SC 3C and ISO/IEC JTC 1/SC 37 and nominate Prof Hiroaki Ikeda as SC 3C liaison officer.

A.13 Review the Strategic Business Plan, Document: SMB/5219/SBP, 3/1186/DC, 3C/1940/INF

SC 3C noted parent committee TC 3 SBP. Discussion would be taken place in the next TC 3 plenary meeting.

A.14 Any other business, Document: 3/1190/DA

A.14.1 To note TC 3 Workshop draft agenda items relevant to SC 3C

SC 3C assistant secretary prepared presentation with title "Status, Progress and Future Perspective of IEC 60417" to be presented at next TC 3 workshop.

A.15 Date and place of the next meeting

SC 3C noted the invitations from SE and CZ National Committees for the next SC 3C plenary meeting 2015 in Stockholm and Prague, respectively.

DECISION 13:

SC 3C in Tokyo decided to have next SC 3C plenary meeting in 2015 in collocation with the parent committee IEC TC 3.

A.16 Close of the meeting

Chairman thanked all participants for their contributions and their involvement in the meeting. All delegates thanked chairman, secretary and assistant secretary for their work. Chairman closed the meeting at 16:40.

Arto SIRVIÖ
Chairman SC 3C

Yoshikazu Seki / Hiroaki Ikeda
Secretary / A. Secretary SC 3C

Note: The complete report from TC 3/SC 3C plenary meeting is presented separately in document 3C/1902/RM.

Annex B
Report from the Chairman of SC 3D

Unconfirmed minutes of the meeting held in Tokyo, Nov 2014

Chairman: Mr. Hiroshi MURAYAMA (Japan)

Secretary: Mr. Reinhard NERKE (Germany)

Participants:

China (P)	HANGKUI Ke, YONG MEI Gao
Finland (P)	Arto SIRVIO
France(P)	Joseph BRIANT
Germany (P)	Fritz REUTER, Leo STUEHLER
Japan (P)	Hajime HORIUCHI, Akira HOSOKAWA, John MACKIN, Araki SUMIO, Lan WANG, Haruhiro SAITO
Netherlands (P)	Addie DIJKSTRA
Norway (O)	Eirik SELVIK
Sweden (P)	Per-Ake SVENSSON, Sven-Anders LEJDEBY

Observers:

SC3D plenary	None
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Note: (P): P- member, (O): O- member

B.1 Opening of the meeting

Mr. Murayama opened the meeting and welcomed the delegates.

B.2 Approval of the agenda

The agenda was confirmed.

B.3 Date and place of the next meeting

The next meeting will take place along with the IEC TC3 meeting (Sweden 2015, Nov, 9-13, Stockholm, to be confirmed).

B.4 Note the confirmation of the minutes of the meeting held in Prague

The report of the Prague meeting was accepted without modification.

B.5 Information from IEC Central Office

For the reason that the Information will be provided in the TC3 Plenary by the same IEC Technical Officer, Mr. Cocimarov, this session was skipped.

B.6 Update the Program of Work of TC/SC 3D as recorded by IEC Central Office

The following content was agreed:

SC3D-Work Programme generated on 2014-10-16										
Project-Reference	Title	Stage	Document Reference	Working Group	Project Leader	Init. Date	Current Stage	Next Stage	Mod	Forecast Publication Date
IEC-61360-1 Ed.4.0	Standard data elements types with associated classification scheme for electric items - Part 1: Definitions - Principles and methods	1CD	3D/227/CD	MT61360-1	R.Nerke	2013-11	2014-05	2015-03	yes	2016-12
IEC-61360-6 Ed.1.0	Quality guide for IEC-61360 compliant database content	ACDV	3D/221/CD	PT-61360-6	R.Nerke	2012-10	2014-05	2014-12	yes	2016-02
IEC-62656-3 Ed.1.0	Standardized product ontology register and transfer by spreadsheets - Part 3: Parcel-Interface for Common Information Model	RDIS	3D/212/CC	PT-62656-3	L.Wang	2011-10	2014-08	2014-12	yes	2015-02
IEC-62656-5 Ed.1.0	Standardized product ontology register and register by spreadsheets - Part 5: Interface for activity description	1CD	3D/225A/CD	WG2	H.Murayama	2014-03	2014-03	2014-12	yes	2016-12

The document will be sent to Geneva after the meeting for update of the SC3D programme of work

B.7 Review of stability dates

Publication Number	Publication Date	Stability Date	Maintenance Team	Project in progress
IEC 61360-1 Ed. 3.0	2009-07-30	2014 2016	2	IEC 61360-1 Ed. 4.0
IEC 61360-2 Ed. 3.0	2012-10-02	2015 2018	2	
IEC 62656-1 Ed. 1.0	2014-08-26	2016	WG 2	
IEC/TS 62656-2 Ed. 1.0	2013-09-25	2016	PT 62656-2	
IEC/TS 62720 Ed. 1.0	2013-05-22	2017	PT 62720	

The document will be sent to Geneva after the meeting for update of the SC3D stability dates.

B.8 Review liaisons

Committee	Scope	Liaison Officer
<u>Liaison IEC:</u>		
SC121A (former SC17B)	Low-voltage switchgear and controlgear	H. MURAYAMA R. NERKE P. JUHEL (from SC121A)
TC25	Quantity and units	R. NERKE J. OBDRZALEK
SC 47D	Semiconductor Packaging	L. STUEHLER
TC 57	Power systems management and associated information exchange	H. MURAYAMA Lan WANG
SC 65E	Devices and integration in enterprise systems	Udo DOEBRICH (from SC65E) Hiroshi MURAYAMA (from SC3D)
TC 111	Environmental standardization for electrical and electronic products and systems	H. MURAYAMA Reinhard NERKE(alternate)
ISO/IEC JTC 1/SC 32	Data management services	Hajime HORIUCHI
<u>Liaison ISO:</u>		
ISO/TC 184/SC 4	Industrial data	H. MURAYAMA R. NERKE
<u>D- Liaison:</u>		
ecl@ss	Consortia for product classification	WG2 decided to discontinue D-Liaison with ecl@ss

It was decided in the SC3D Plenary at Oslo (2012) that SC3D will automatically terminate in principle a D-liaison status, if the absence of officer(s) continues more than 1 year. And a notification was sent to the organization by the Secretary after the last plenary. However, up to this day, well over 2 years since Oslo, there has been no participation from ecl@ss. Thus SC3D/WG2 terminates D-Liaison with ecl@ss. However, SC3D continues to welcome the participation of experts of the ecl@ss organization, as observers or as registered members of a P-member body.

As a result of SC3D resolution, the following liaison *to be installed*:

Committee	Scope	Liaison Officer
<u>Liaison ISO (to be installed)</u>		
ISO/TC 59/SC 13	Organization of information about construction works	H. MURAYAMA (from SC3D) Mr. Wolfgang WILKES (from ISO TC59/SC13)

B.9 Review the Strategic Business Plan

No action.

The Review was postponed to TC3 meeting to be done together with review of TC3 and SC3C SBP statement.

B.10 Review SC3D action items (and taskforce reports)

No action. There are no open action items or taskforce reports from the previous meetings.

B.11 Review SC3D resolutions

B.11.1 Create SC3D/WG3

B.11.1.1 Background

For better coordination of the standardization projects of the parts of IEC62656 series that are all based on IEC62656-1, and for deeper discussion on the model extension and interface to the IEC CDD core model by securing enough time and resource on the subject, SC3D/WG2 supports separation and transfer of the work on IEC62656 into a new WG to be created under SC3D as WG3 with the following title and scope:

“Model-extension and interface for IEC CDD”

1. Specification of extensions to the core IEC CDD information model to enable the database integration and maintenance of various ontologies and their models
2. Specification of data mapping methodology among different ontology models
3. Specification of interface standards for IEC CDD.
4. Maintenance of the WG3 standards in DB format

SC3D/WG2 recommends Mr. Hiroshi MURAYAMA, current leader of the whole IEC62656 series and the project leader for IEC61360-2 should be the candidate for the initial convenor of the WG3.

To confirm Scope and Convenor a DC shall be sent out. Based on the confirmed title and scope a call for experts shall be performed.

B.11.1.2 Decision

Resolution agreed.

B.11.2 Submit IEC CD 61360-6 for CDV

B.11.2.1 Background

Document passed the CD review and the Compilation of Comments was discussed and accepted in WG2.

B.11.2.2 Decision

For information, no resolution required. Chairman and secretary of SC3D decide on submission of IEC CD 61360-6.

Post- meeting note: Chairman and secretary of SC3D agreed on submission of IEC CD 61360-6.

B.11.3 Submit IEC CD 62656-5 for CDV

B.11.3.1 Background

Document passed the CD review and the Compilation of Comments was discussed and accepted in WG2.

B.11.3.2 Decision

For information, no resolution required. Chairman and secretary of SC3D decide on submission of IEC CD 62656-5.

Post- meeting note: Chairman and secretary of SC3D agreed on submission of IEC CD 62656-5.

B.11.4 Agreement of revised scope statement of IEC SC3D

B.11.4.1 Background

It was pointed out in the last SC3D Plenary in Prague, that the SC3D scope statement on the SC3D dashboard might be vague and not likely to catch attention. Thus it was decided that SC3D develops a better expression of its scope by IEC Tokyo meeting. Opinions have been exchanged over the SC3D mail-exploder and the issue was also discussed in the SC3D/WG2 at Tokyo.

B.11.4.2 Decision

Secretary will circulate in TC3 and SC3D a document on the final draft of the new scope statement to NCs for comment (DC document). If no further comment is received in six weeks, the Secretary will send the new scope statement to SMB for authorization.

B.11.5 Establish liaison with ISO TC59 SC13

B.11.5.1 Background

ISO TC59/SC13 has its title as "Organization of information about construction works", in which Building Information Model (BIM), product catalogue standards that use classes and properties based on ISO13584/IEC61360 methodology, and classification of construction work are being discussed. It is also discussed the ways to extend the ISO10303-42 based geometric shape representation, in particular by CSG (Constructive Solid Geometry) model. ISO TC59 nominated Dr. Wolfgang Wilks as Liaison Officer to IEC SC3D.

The nomination of Mr. Hiroshi MURAYAMA has been discussed and agreed in TC3 coordination meeting in 2014-6 and confirmed in Tokyo.

B.11.5.2 Decision

Resolution agreed.

B.11.6 Welcome new members of SC3D

B.11.6.1 Background

Egypt and US have joined SC3D as new members. SC3D welcomes EGYPT and US and is looking forward for good cooperation.

B.11.6.2 Decision

Resolution agreed.

B.12 Review of IEC CDD Change Requests statuses

Because of timing reasons the item was not discussed and shall be published in the meeting report.

See annex for the list of SC3D/ WG2 activities.

B.13 Reports from liaison officers

No report.

B.14 Any other business

No action.

B.15 Close of the meeting

Mr. Murayama as chairman of SC3D thanked the delegates for their attendance and contribution to the meeting. Representing the members of SC3D, he also thanked the Japanese National Committee for hosting the meeting and for their hospitality.

Hiroshi Murayama
Chairman IEC SC 3D

Reinhard Nerke
Secretary IEC SC 3D

Note: The complete report from TC 3/SC 3D plenary meeting is presented separately in document 3D/237/RM

Annex C

Workshop program and report

C.1 Program

Title	Speaker
IEC CDD, Common Data Dictionary, in application for TC 65	Reinhard Nerke
Application of IEC 62569, Generic Specification of Information on Products, in relation to CDD	Fritz Reuter
Information about the work on new parts in the 81346 series and the new edition of IEC 81346-2 Classification of objects and codes for classes.	Eirik Selvik
Progress of IEC 60417 and demonstration of new app for mobile application of IEC catalogue and symbols (IEC 60417)	Hiroaki Ikeda
Information about the proposed changes of IEC 60617DB, Graphical symbols for diagrams. - Application of new symbols in the validation process	Arto Sirviö

C.2 Meeting documents, TC 3 workshop

Number	Titel	Pdf *
3WS(Tokyo/Secretary)1A	Agenda TC 3 workshop	pdf
3WS(Tokyo/Secretary)2A	List of participants in TC 3 workshop	pdf
3WS(Tokyo/MT60617)03A	Information and discussion about proposal for drawing tool, template and improved search functions	pdf
3WS(Tokyo/MT60417)04	Status, Progress and Future Perspective of IEC 60417	pdf
3WS(Tokyo/PT62569)05	Information and discussion about the series IEC 62569 under the generic title - Generic Specification of information on products	pdf
3WS(Tokyo/MT81346)06	Information and discussion about the revision of IEC 81346-2	pdf
3WS(Tokyo/CDD)07	Common Data Dictionary (IEC CDD) in application for SC65E	pdf

* Documents are available at IEC Collaboration tool, >[IEC TC 3](#) > [TC/SC Meetings](#) > [TC 3](#) > [2013](#)

C.3 Notes from the Workshop

C.3.1 IEC CDD, Common Data Dictionary, in application for TC 65.

Mr Nerke informed application of CDD in the work of SC 65E. The Common Data Dictionary has been applied, and referred to, in the standards:

- IEC 61987 -11, Industrial-process measurement and control – Part 11: Lists of Properties (LOP) of measuring equipment for electronic data exchange – generic structures
- IEC 61987-12, Lists of Properties (LOP) for Flow Measuring Equipment for electronic data exchange
- IEC 61987-13, Industrial-process measurement and control Part 13: Lists of Properties (LOP) for Pressure Measuring Equipment for electronic data exchange

It was described and discussed how important issues like class references, cardinality and polymorphism has been applied.

Find more information in presentation 3WS(Tokyo/CDD)07.

C.3.2 Application of IEC 62569, Generic Specification of Information on Products, in relation to CDD.

Mr Reuter informed about the progress of standardization of Generic Specification of Information on Products. The idea is to define qualifiers, as properties of any product, device or object. A PAS has been published and it will now be reworked and published as standard together with other parts of the series.

Additionally will IEC/PAS 62515 be integrated in the IEC 62569-series. In parallel the properties are proposed as change requests to IEC CDD.

Find more information in presentation 3WS(Tokyo/PT62569)05.

C.3.3 Information about the work on new parts in the 81346 series and the new edition of IEC 81346-2 Classification of objects and codes for classes.

Mr Selvik informed about the work, in liaison with ISO/TC 10/SC 1, on a new edition of IEC 81346-2 which includes the classification system of objects. The Danish proposal is used as a base for the work. The principles of the proposal and its application for construction of buildings was presented in TC 3 workshop in Prague, 2013.

A goal of the classification is to define classes for all kind of objects without using classes of kind "other" and "not specified". The classification is described in a hierarchical structure of inherent functions. The definition of classes follows ISO 704.

Find more information in presentation 3WS(Tokyo/MT81346)06.

C.3.4 Progress of IEC 60417 and demonstration of new app for mobile application of IEC catalogue and symbols (IEC 60417)

Mr Ikeda informed about the progress and strategy of IEC 60417. The standard for symbols for use on equipment, IEC 60417, has been valid for more than 40 years. IEC 60417 is a Horizontal standard in terms of IEC Guide 108. A guidelines for the inclusion of graphical symbols in IEC publications has been published as IEC 62648.

All graphical symbols for use on equipment are freely available as preview to the database at ABB webstore and also ISO Online Browsing Platform. Today, the IEC Catalogue is available also as mobile App, which was presented at the workshop

Find more information in presentation 3WS(Tokyo/MT60417)04.

C.3.5 Information about the proposed changes of IEC 60617DB, Graphical symbols for diagrams - Application of new symbols in the validation process

Mr Arto Sirviö informed about the ongoing and planned work in MT 60617 for evaluation of IEC 60617DB.

The graphical representation of all symbols in the database is today a poor bitmap format (.gif). We have no rules or recommendation for tools to be used when preparing the figures of the symbols.

MT 60617 proposes that IEC shall provide a drawing tool available in the "IEC cloud" for PT/MT/WG convenors and NC staff. The tool shall be vector graphic and support use of layers.

MT 60617 intend to prepare a template specifying new items or modify items in the database. The template may include a design grid similar to the one used for graphical symbols in IEC 60417.

Additionally Mr. Sirviö presented some proposals of improved search functionality that could be applied to IEC 60617DB.

The possibility of improved tool support from IEC IT group was discussed (see also item 8 in the report from the plenary meeting)

Find more information in presentation 3WS(Tokyo/MT60617)03A.

Annex D
List of meeting documents for the TC3 plenary meeting

Number	Title	Pdf *
3(Tokyo/Secretary)01B	Agenda	pdf
3(Tokyo /Secretariat)03A	Report to TC 3 plenary meeting in Tokyo on status of TC 3 horizontal standards and Basic Safety standards	pdf
3(Tokyo/Secretariat)04	Report to TC 3 plenary meeting 2013 regarding publications with validity period expiring	pdf
3(Tokyo/Secretariat)05	Report to TC 3 plenary meeting in Tokyo regarding TC 3 liaison with other committees	pdf
3(Tokyo/Secretariat)06	Report on liaison with ISO/TC 10, to TC 3 plenary meeting in Tokyo	pdf
3(Tokyo/Secretariat)07	Report from MT 61175 to TC 3 plenary meeting in Tokyo, 2014-11-07	pdf
3(Tokyo/MT81346)08	Maintenance report to Tokyo meeting on: IEC 81346 - Structuring principles and reference designation	pdf
3(Tokyo/Secretariat)09	Other business, Proposed by DE NC	pdf
3(Tokyo/PT62515)10	Report from PT 62515	pdf
3(Tokyo/Secretariat)11	Report to TC 3 plenary meeting in Tokyo, regarding description of TC 3 Scope	pdf
3(Tokyo/MT62569)12	Report from PT 62569	pdf
3(Tokyo/MT81714)13	Report from MT 81714	pdf
3(Tokyo/MT82045)14	Report from MT 82045	pdf
3(Tokyo/Secretariat)15	Report to TC 3 plenary meeting in Tokyo, regarding NC's comments to TC 3 Strategic business plan	pdf
3(Tokyo/Secretariats)16	Report from to the plenary meeting in Tokyo 2014-11-07, Invitation from SEK, Sweden to held TC 3 plenary meeting Nov. 2015 in Kista, Stockholm	pdf
3(Tokyo/MT60617)17	Report from MT 60617	pdf
3(Tokyo/MT60445DE)18	Green Paper of the German NC to the plenary meeting in Tokyo 2014-11-07, Proposal of the German National Committee for an Amendment to IEC 60445	pdf
3(Tokyo/CZ)19	Position of the Czech NC on doc 3/1190/DA	
3(Tokyo/JWG16)20	Report from JWG 16	pdf
3(Tokyo/Chairman)21	Regards from TC 3 Chairman to the plenary meeting in Tokyo 2014-11-07	
3(Tokyo/SC3C)22	Report from chairman of SC 3C	pdf
3(Tokyo/SC3D)23	Report from chairman of SC 3D	pdf
3(Tokyo/CO)24	IEC CO News	
3(Tokyo/Secretary)25A	Daily report - Short notes from the plenary meeting of TC3 held in Tokyo 2014-11-07	
3(Tokyo/Secretary)26	Summary of changes in TC 3 Dashboard as decided in plenary meeting in Tokyo Nov. 2014.	pdf

* Documents are available at IEC Collaboration tool, >[IEC TC 3](#) > [TC/SC Meetings](#) > [TC 3](#) > 2014

Annex E List of Decisions

Decision 1 :	TC 3 decided at its meeting in Tokyo to set up an ad-hoc group with the task to propose an improvement of the notification of the intention, and the decision, of standard being designated as horizontal. The ad-hoc group shall consist of Mr Reuter (leader), Mr Svensson and Mr Ikeda.	6
Decision 2 :	TC 3 decided at its meeting in Tokyo to ask the Secretary to prepare a document for comments to the NCs with the proposal of notification of horizontal standard and in next step send it to SMB as QP document.	6
Decision 3 :	TC 3 decided at its meeting in Tokyo to ask the Secretary to prepare review reports for the standards with validity date expiring 2015, according to 3(Tokyo/Secretariat)04.....	6
Decision 4 :	TC 3 decided at its meeting in Tokyo to accept the proposal of changed description of scope for TC 3 in accordance with the circulated document 3/1186/DC and comments received from the NCs.	7
Decision 5 :	TC 3 decided at its meeting in Tokyo to ask the Secretary to arrange with CO to prepare changes of TC 3 Dashboard in accordance with the decisions in the meeting.....	7
Decision 6 :	TC 3 decided at its meeting in Tokyo to ask MT 60617 to write a report including the principle requirement for improvement of the database. Not to lose time should the report be prepared within a month.	7
Decision 7 :	TC 3 decided at its meeting in Tokyo to ask CO to clarify the budget for providing the resources for the necessary development and maintenance activities and if necessary prepare a Question of Principle to the SMB regarding the resources.	7
Decision 8 :	TC 3 decided at its meeting in Tokyo to ask the Secretary to circulate a call for new Convenor to MT 61082.	8
Decision 9 :	TC 3 decided at its meeting in Tokyo to ask Mr Selvik and the Secretary to check up the rules for access to working documents in ISO collaboration tool for working group participants.....	8
Decision 10 :	TC 3 decided at its meeting in Tokyo to ask Mr Selvik to check up and report the status of the work on ISO 81346-10	8
Decision 11 :	TC 3 decided at its meeting in Tokyo to ask the Secretary to circulate a call for new Convenor to MT 61355.	9
Decision 12 :	TC 3 decided at its meeting in Tokyo to ask the Secretary to check up the status of JWG 15.....	9
Decision 13 :	TC 3 decided at its meeting in Tokyo to ask Mrs Fleischer and the Secretary to circulate the final proposal for new title of JWG 16 and 82079 series of standards to the NCs in document for comments.....	10
Decision 14 :	TC 3 decided at its meeting in Tokyo to disband MT82079 and request the experts to instead join JWG 16.....	10
Decision 15 :	TC 3 decided at its meeting in Tokyo to ask Mr Reuter and the Secretary to circulate new work item proposals for all parts of IEC 62569 proposed to be standards.	10
Decision 16 :	TC 3 decided at its meeting in Tokyo to disband PT 62515 and move the task of PT 62515 into PT 62569.	10
Decision 17 :	TC 3 decided at its meeting in Tokyo to ask the Swedish NC to check the possibility to find a new Convenor for MT 62507.....	11
Decision 18 :	TC 3 decided at its meeting in Tokyo to ask the Convenor for MT 60445 to consider the German proposal of new colours on conductors.	11

Decision 19 :	TC 3 decided at its meeting in Tokyo to disband PT62666 and to ask the Secretary to update the IEC/TS 62666 with regards to new editions of the referenced documents in the TS.	11
Decision 20 :	TC 3 decided at its meeting in Tokyo to ask the Secretary of SC 3D to send the proposal of new scope definition to TC 3 Secretary for decision within TC 3 before it can be reported to SMB for final decision.	12
Decision 21 :	TC 3 decided at its meeting in Tokyo to recommend the Secretaries of TC 3, SC 3C and SC3C to in addition to the ordinarie process also inform via the normal IEC CO document distribution process when the validation of a CR (change Request) is being started.	12
Decision 22 :	TC 3 decided at its meeting in Tokyo to ask the Chairman and the Secretary to prepare a proposal of improved process in the validation teams to next TC 3 Officers meeting.	12
Decision 23 :	TC 3 decided at its meeting in Tokyo to close the liaison with ISO/IEC JTC 1/SWG 5 Internet of Things.	13
Decision 24 :	TC 3 decided at its meeting in Tokyo that TC 3 shall propose liaison with ISO/TC 10/ SC 1. Liaison Officer to be Mr Hiroaki Ikeda.	13
Decision 25 :	TC 3 decided at its meeting in Tokyo to ask the Chairman and Secretary to update the SPB and to consider the proposed changes.	13
Decision 26 :	TC 3 decided at its meeting in Tokyo to ask the Secretary to update the SBP and send the updated version to SMB as parts of the RSMB.	14
Decision 27 :	TC 3 decided at its meeting in Tokyo to accept the invitation for TC 3 plenary and SC meetings 9 to 13:th of November 2015 in Stockholm, Sweden.	14
Decision 28 :	TC 3 decided at its meeting in Tokyo to plan for TC and SC meetings in Frankfurt if TC 3 will get the invitation to IEC General meeting 2016.	14
Decision 29 :	TC 3 decided at its meeting in Tokyo to ask the Chairman and the Secretary to consider the proposals from Germany as noted in 3(Tokyo/Secretariat)09.	14

