



DIVISION 4 MEETING 2008

Date: 1.9.2008 (9:00- 12:30) and 3.9.2008 (13:00-17:00)

Venue: Finland, Helsinki, Hotel Scandic Simonkenttä

Doc. Nr. DS4-0002-U-Minutes_DM_Helsinki_4-sept-2008

MINUTES

(to be approved next meeting)

Present: Alvarez del Castillo (US), Chain (FR), Birnbaum (IL), Bizjak (SL), Bjelland (NO), vdBrink (NL), Chain (FR), Floris (FR), Gasparosky (PO), Hautala (FI), Huijben (NL), Jenkins (AU), Lin (CI), Nurmi (FI), Onaygil (TY), Rossi (IT), Simpson (UK), Stark (US), Stockmar (GE), Sumi (JP, on behalf of Saito), de Visser (NL), Völker (GE).

Guests: Van den Bosch (BE), Rombouts (BE), Letamendi (US), Shortreed (UK), Justin (BE), Taro (), Narisada (JP), Tor (NO), Adams (NL), Janiga (), Eväsoja (), Ekrias ().

1. Opening of the meeting of Division 4

New officers and TCC were presented (Nurmi, Huijben, Simpson, Marcel Justin)

Werner Adrian, who had great contributions to CIE, was remembered.

The host, the Finnish national committee represented by Tapio Kallasjoki, and the sponsors of this session (SYLVANIA, HELVAR, PHILIPS, OSRAM, Elektroscandia, SILUX, SLO, Onninen, and TEHOMET) were thanked for their kind hospitality and organisation, in particular the organisation of TC 4-11.

2. Approval of Draft Agenda

Agenda approved without comments.

3. Apologies for absence

With notification: Almasi (HU), Burini (BR), Gillet (BE), Jackett (NZ), Kotek (CZ), Malmborn (SE)

Mr. Saito is represented by Kenji Sumi.

Without notification: Bastianpillai (CA), Chanchenchop (TH), Drndarevic (SB), Fritthum (AT), Ha (KR), Lam (HK), Pchelin (RU), Sere (RO), Sörensen (DK), Suzanic (CR), Tsahwe (ZA), Vassilev, Vila, Wall, Yates, Zagan

4. Approval of the minutes of the meeting in Beijing, China, 2008

Comments by Elisabeth Alvarez del Castillo: She is still continuing the liaison ship. With this comment taken into account, the minutes were approved. The previous secretary Tapani Nurmi was thanked for taking these minutes.

5. Announcements

Technical Manager: Janos Makai has resigned for health reasons, Peter Zwick is his successor (see website including CV)

Elisabeth Alvarez del Castillo: 2009 will be the astronomical year declared by UN, opportunity for education, relationship with dark sky and lighting.

6. Report by the Division Director

See report 21-07-2008 by Ad de Visser (DD4-0016-U-Report from Director until D4 meeting 2008.pdf)

Some comments in relation to the report:

"Guideline for accessibility"

Axel Stockmar: mentioned from Germany idea's about "accessibility" : for reading characters 10mm per 5 m visual distance (like schemes at bus stops), older people determine only 5 clusters of colors - to be used in plans/schemes. In Germany this is laid down in DIN norms for public space. In the CIE-board is discussed if ISO 159 will be incorporated in the codes of procedures for drafting CIE publications. Axel Stockmar asks for publishing the CIE-report on lighting, which was produced on the basis of ISO 159 "guidelines for accessibility". The participants to this meeting support this idea. The board will decide this.

"New guidelines for TC membership"

TC chairman: watch membership of your TC in order to make good progress.
Some people take part in 6 or more TC's: please think over if this is productive.

"CIE Midterm meeting"

Division and TC meeting: 1-3 June.

7. Division Secretary's announcements

The CIE roster contained for division 4 the names/addresses/contact data of the CIE-members. The roster is now extended by the names and contact data of the TC chairs and members. This will help everybody active in CIE to contact others when needed. The address list and presence list were circulated to adjust the roster to the actual data.

8. Division Editor's report

See report by Doug Simpson (DE4-0001-U-report-2008.pdf), attention for the flow diagram that needs an update. He also stressed that the reports should be reviewed for the first time when the TC has decided that the draft is ready for a vote.

9. Strategy review

- Follow-up notes DD-O-13 DD4-0013-U-Follow-up notes after D4 meeting Beijing - July 2008.pdf
 - Item 23: still open, Ad de Visser will contact Nigel Pollard
 - Item 24: Hans Huijben will contact people active in Piarc for possible liaison ship with CIE
- Roadmap DD4-0014-U-Roadmap - 10 July 2008.pdf
 - TC chairs are asked to provide proper data in order to have reliable end data. The roadmap is intended for the editor and central bureau to estimate the amount of work. Paolo Soardo (IT) commented that this is also needed for financing the CIE work. Comparing with CEN and ISO these organizations work more on deadlines, but still CIE has to plan on deadlines. Purpose is to have more stricter schedules.
- Communication
 - Roster updated, will be published on CIE website by September 2008.
- TC's functioning and Members of TC's
 - Some people are member of a lot of TC's. This is OK if the respective experts have enough time to spend on CIE. Otherwise, it was recommended to consider membership. Some TC's are very old. The need for these TC's and progress needs to be reviewed. (See attachment of Ad de Visser)

10. Website

CIE is working on a website which will cover all divisions and with a central server. The AD Tapani Nurmi announced that the D4 server in Finland, that ran last months in parallel to the central server in Vienna, will be closed. Don't forget to change your "favorites".

Also the introduction of a collaboration tool is considered. The officers of Division 4 are providing requirements and wishes from Division 4 to the Board. The people present in the meeting were asked to provide comments. Result:

- Provide possibility to exchange addresses
- Provide login, when using your login you will see an overview of your own personal CIE data (this helps to check the actual data)
- Online voting for balloting
- Send large documents via the web with attention email to representatives/members
- In attention emails provide a link to the website or directly to the document
- Be aware of keeping the server clean of old documents
- On line discussion forum

11. D4 symposiums

- International symposium on road surface photometric characteristics: measurement systems and results, Torino, 9-10 July 2008:
Giuseppe Rossi (R4-30) gave short report. Cyril Chain (R4-32) presented a synthesis. Question by Giuseppe Rossi: can we put the material on the CIE Division 4 website? Decision: we put it on the div4 website.
The organizers were congratulated by the DD for a successful symposium.
- In general:
If someone intends to organize a symposium in relationship with CIE it should be organized by or in cooperation with the Central Bureau of CIE and approved by the BA.

12. Regular update of CIE publications and Standards

Discussion about:

- CIE 107-1994: "Review of the official recommendations of the CIE for the colours of signal lights"
- CIE S 004-2001: Colors of Light Signals

There is a conflict between CIE-107 and S004 on color boundaries, specific for yellow, reported to the CB. Pieter Walraven, previous DD4 and color expert, digged into this matter on request of Ad de Visser. The background seemed that amber had to be incorporated in S004, which is the latest and most updated document. Discussion about withdrawing CIE-107. Decision: CIE-107 is a comprehensive document that is very useful, so keep it. But an addendum is needed to cover the conflict between CIE-107 and S004 and saying that the color boundaries in S004 supersede those in CIE-107. To organize writing the addendum (by the technical manager of CIE) the differences between the documents should be confirmed. The chairman of the TC which wrote S004 (TC4-14) will be contacted. Steve Jenkins will contact the chairman of S004 Prof. Cole and send his new email address to DD/DS.

Division members will be asked to give their opinion on the list of CIE documents which should be updated. DD/DS will send a questionnaire to all dm's with 3 points: (1) which documents, (2) description in detail why document should be updated and (3) suggestions how to carry out.

Some suggestions for updates:

- Paolo Soardo: CIE88 tunnel lighting
- Eirik Bjelland: CIE47 wet roads

Suggestion Nigel Pollard: ask Central Bureau which documents are sold very often and which not. This helps to determine which documents are worthwhile to update.

13. Reports by Division members

Yandan Lin (China): all Chinese members of the NC were changed, new chairman. LED is very popular for traffic lighting, LED production firms claim energy saving and are able to convince governmental people about this. Central government established an organization to improve chips/led/heat management to be done in 2-3 years, providing a lot of money. In some tunnels led lighting is used, seems to be good in use and uniformity.

Axel Stockmar (Germany): DIN has published a new standard on tunnel lighting, also new standard will be stated on calculations of tunnel lighting, a new DIN on visibility of signs in public space. Schmücken tunnel near Alford, a 5 km tunnel with led lighting: not adequate because of bad uniformity.

Paolo Soardo (Italy): Italy has a new standard on tunnel lighting, use of white leds for tunnel lighting because of energy use.

Sermin Onaygil (Turkey): CIE documents on tunnel lighting are used for tenders, difficulties raised in explaining for instance about transitions zones, more explanation needed for the zones. Energy saving is very important in standardizations on lamps and luminaries for road lighting and urban lighting. The standards are focusing on HPS lights but they are open to LED lights in field of energy saving.

Ton vd Brink (NL): The Netherlands is preparing 2 publications: (1) labeling system on lighting systems, (2) how to use labeling system in the right way. Movement away from technical standards and instead using labeling systems in order to organize people will use technical standards in the right way.

Alain Floris (France): Lighting Society France (AFE) and National CIE France are merged.

Cyril Chain (France): new regulation on sky glow / light pollution published, project on energy saving started by Government.

Carl Anderson (USA): Department of Energy: workshop on solid stated lighting, street lighting demonstration projects. In the past a lack of good standards blocked the use of new light sources. Now for solid state lighting new standards are created (electrical and photometric testing - published, draft on lumen maintenance). LED's project in Minneapolis with pole height of 13m. The new bridge replacing a collapsed bridge will be equipped with led lighting. An extensive study on visibility research for lane keeping in conjunction with automatic in-car driving systems and comparing the use of different types of lighting is started.

14. Progress reports by TC-chairmen

The progress is given in the status reports as published on the website and a summary in the printout of the progress database of Ad de Visser.

The presence of reports per September 5, 2008 is given in the table below.

TC	Report	TC	Report	TC	Report
4-10	not needed, TC-report published	4-32	no, change of TCC	4-44	yes
4-15	yes	4-33	yes	4-45	yes
4-16	not needed, status known	4-36	yes	4-46	yes
4-19	not needed, status known	4-37	no need, TC-report published	4-47	yes
4-21	yes	4-40	yes	4-48	No
4-24	not needed, doc. ready	4-41	no		
4-26	yes	4-43	yes		

Some comments:

- TC4-10 : Publication is ready and published as CIE-183. TC is disbanded.
- TC4-15 : New secretary = Gasparovski. On 2 sept 2008 a meeting of 8 members, 13 guests asking to be a member. 2 documents to be produced: [1] Doc on TI etc. end of 2008, [2] Doc on calculations next year (meeting in Budapest)
- TC4-16 : Ad de Visser reported that the document had passed a Divisional and Board ballot with positive result but with very negative comments. The document is outdated. He proposed to stop the TC and asked the opinion of the Division members.
Do the present members see a need for such a document?
Carl Anderson: US has own format. Still need for standard because software is based on codes. Maybe other countries have own codes. Difficult for international manufacturers. So need for at least a global overview.
Doug Simpson: road luminaires or general ? "All" applications.
There is also a European standard (CEN) on measurements for indoor AND outdoor lighting, must be used by labs.
Conclusion: (1) stop the current TC. (2) US and EU no need for CIE document. Australia and China use IES standard, no need. No need for CIE document.
- TC4-19 : AdV will figured out the history. CIE Central bureau brought up a lot of questions when preparing for publishing. There was a long waiting on reaction from the previous TCC. But answers have been received and now the document is ready for technical manager at the CB for finalization.
- TC4-21 : Mark Gillet provided a status report, saying that next meeting is in November 2008. Not clear when ready.
Paolo Soardo: material is already available since 2 years. Chair is not convinced of research results, this is the mean reason for the stand still.
Voting foreseen end 2008 begin 2009. Editor to be contacted asap.
- TC4-24 : Waiting for comments by TC-members, then version to be send to editor (Doug Simpson).
- TC4-26 : Contact with editor (D Simpson). Then TC vote, then ballot.
- TC4-32 : Jurgen Ewald = new chair, Sauter = secretary, David Burns is no longer available for CIE due to a new assignment at his company.
- TC4-33 : Meeting on 1 September: zero members of TC and 3 guests.
Status: waiting on 3 pieces of information, end of 2008 available, then start working on draft, expected late 2009. Send TC-members to secretary (action Ron Gibbons)

- TC4-36 : Revisions send to chair before November, then to editor (end year 2008), then TC vote early next year.
- TC4-37 : published as CIE-180, TC stopped.
- TC4-40 : See report, good working, editorial report mid 2009.
- TC4-41 : closed down due to inactivity; converted into reporter ship by Otto Letamendi (US) on crime and lighting to investigate whether a TC would still be feasible.
- TC4-43 : Document ready. Comments by members as a result of the TC-ballot to be incorporated by TC itself. Then to editor (Doug Simpson). Objective = end 2008 ready.
Axel Stockmar and Hans Huijben are against the document with reasonable reasons.
- TC4-44 : 1 Sept. meeting, 43 people present, good compromise on implementation of comments as result of the TC ballot. End of Sept. 2008 new report, then to TC members, end 2008 editorial work ready, end 2008 beginning 2009 to board.
- TC4-45 : Wish that after this CIE publication (report) a standard will be made. Approved.
- TC4-46 : Chair asked for new idea's, concepts, maybe extra experts (names) to be present. Patents: In the document only informative stuff.
- TC4-47 : Time schedule is based on email exchange of information. Comments:
Elisabeth Alvarez, keep in mind the more blue colors in led lighting and influence on sky/nature
Paolo Soardo: Italy is changing LPS to HPS, then same influence on blue light.
- TC4-48 : First draft May, 2nd draft in July, only 3 remarks, 3 Sept. meeting: structure of report discussed, accepted + extra chapter. Defining "white light" difficult but will be worked out. 3rd draft direct after Sept, remarks should be send within 4 weeks. Then document updated, Dec 2008 new meeting in London about updated document, April 2009 revised draft to all members. End 2009 final draft. Written TC-report will be send to Hans Huijben by Stephan.

15. Progress reports by Reporters

- R4-14 see report of Carl Anderson (available on the website)
- R4-30 presentation by Rossi (available on the website)
- R4-31 energy use rather than saving, intention to examine the documents to be prepared at the moment in de TC's (R4_31_0001_Report_Energy_Saving.pdf, available on the website).
- R4-32 Overview given on the basis of the thesis by Cyril Chain after the Turin workshop July 2008 (available on the website). Conclusions:
- Update the existing CIE r-tables
 - CIE should be stronger in advising the Q0 values to be used
 - Call for measurements results, at the moment too less measurement results to establish new tables.
 - Still a lot of discussions on several subjects related to measuring and road reflection, should be solved.
 - Maybe a TC to be established, to be decided after collecting information on measurements results.
- R4-33 see report by Norbert Johnson (available on the website, R4_33_0002_Review_of_Pub_72_Report_Div4_Sept_2008.pdf)
- R4-34 see report by Norbert Johnson (available on the website, R4_34_0003_Passives_Devices_Report_Div4_Sept_2008.pdf)

16. Reports by Liaisons

CEN/TC 226 (Hautala): 226 en 169 joint working group to create a new standard on road lighting.

GTB (de Visser): see report by Ad de Visser (available on the website; LI4_GTB_0001_CIE_div4_report_2008.pdf)

Comment Carl Anderson: in US a competition is going on in replacement of 60W lamps by led lamps. This can speed up developments in the use of car head lamps.

International Astronomy Union (Alvarez del Castillo): presentation of the movie from www.atronomy.org about the 2009 Astronomy Year. Relationship with CIE: dark sky and artificial lighting, avoid light pollution. Blue light caused by leds will disturb astronomical observations more than the existing HPS lighting.

International Civil Aviation Organization (Brian Tansley): no information since a long time. Take it out until we find a new name.

ISO/TC22/SC8 (de Visser): SC is not working on subjects enough of our interest, skipped and stopped.

ECE Inland Transport Comity / WP1 Road Traffic Safety (de Visser): none of us is ever present in this WP. Stopped.

Piarc (Brusque) : Corinne Brusque not any longer in this field active. H Huijben will try to find a new name.

Mesopic Vision (Völker): liaison to Division 1 to be mentioned on the website. Number of TC in division 1 is TC1-58.

Lighting for Elderly (Liaison to CIE TC3-44) (Stockmar): until now no activity of TC3-44.

From now on liaisons will be numbered as done with the reporters. On website link to CIE-TC's.

17. New R & D reports

No information brought in under this item . Much was already reported under items above.

18. Discussion of new items

Proposal Ad de Visser to install a new TC for drafting a " Guide to recommended practice of photometric measurements in automotive". Terms of reference etc annexed to the minutes.

Discussion: Carl Anderson: should be done in Division 2 because people active in this division are probably better equipped to revise documents produced by this TC. Ad de Visser already considered this with the proposed chair and members. They were of the opinion that it should be D4. Ron Gibbons: road pavement and signs is div 4, but more common luminaire measurements is division 2. Rossi, Stark, Johnson: same meaning.

Common sense: such a working group should start, but in division 2. Ad de Visser will contact DD2.

Liaison CEN/TC169 should be established. Subjects: tunnel lighting, road lighting, adaptive lighting, energy use. Axel Stockmar will be the liaison.

Cyril Chain: proposal for liaison ship with LUCY (international association for city lighting planners). Decision: OK, Cyril Chain will be the liaison.

Cyril Chain: proposal for CIE activity on daytime contrasts for furnishing the public space. In relationship with disabled people. Discussion: Division 1? Will be brought to the CIE Board.

Ad de Visser: Proposal for subjects Tunnel lighting, leds & tunnel lighting, led lighting & energy saving, labeling of energy. So far no reaction from the participants to establish new TC's on these subjects.

Elisabeth Alvarez de Castillo: jurisdiction asks for clear answers on wave length of several frequencies, visibility of signs, all in relation to the use of leds.

Midterm meeting in conjunction with conference on led lighting (Bulgaria). Suggestion or a workshop follow up the midterm meeting.

19. Education

Not clear what the meaning of "Education" is on the agenda of this meeting.

Suggestion 1: Let the teaching members of division 4 provide information about actual research programs, idea's, etc. Send to secretary.

Suggestion 2: Let's have a discussion in the CIE Board.

20. Planning future meetings

Midterm meeting: 1 - 3 June 2009.

The members do not appreciate preliminary program because the Midterm meeting is interrupted by a national conference. Program to be changed. DD will contact Board.

Asking for hosting meeting 2010: please indicate which National Committee is willing to host the meetings of Divisions 4 and 5.

21. Other business

Axel Stockmar: Lux Europa September 2009, 9-11

Ron Gibbons: 2009, May 12-14 19th visibility symposium

22. List of actions

See document nr DD4-0013-U-Follow-up notes after D4 meeting Beijing - July 2008.pdf (see website).

Annex 1 Proposal new TC by Ad de Visser

CIE TC4-XX

Proposal to establish a technical committee under CIE division 4

Name of the committee:

Guide to recommended practice of photometric measurements in automotive

Chairman of the committee:

Gösta Werner (SE)

Initial members of the committee:

Karl Manz (DE) [, Cristine Stratford (GB)] , Wilfried van Laarhoven (NL) [, Edwin Hocevar (SL)],
Joan Fonts (ES)

Terms of reference:

To prepare guidelines on the laboratory accuracy of photometric measurements of automotive lamps and luminaires.

Note: This committee is strongly related to GTB Working Group Photometry. The TC will start their work based on an existing internal GTB Working Group Photometry Guide (GTB identification: CE-3874).