



E-street Initiative

Work Package 4.3

Workshops on recommendations and standards

4.7.2008

On behalf of the E-Street project (www.e-streetlight.com)



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1. STARTING POINTS

In the planning and design of road and street lighting European standards, especially EN13201, are widely adopted.

Revised report CIE 115 will provide relevant basis for the further development of standards.

Delegates of E-Street project have informed and provided arguments for the adaptive road lighting to the Technical Committees 169 and 226 in CEN.

These committees have decided to restart Joint Working Group "Street lighting".

The aim of workshops is to advise and convince highway authorities, cities and municipalities to understand the meaning and use of adaptive road lighting as an energy-saving counter-measure.

2. PREVIOUS ACTIVITIES

CIE

Report CIE 115-1995 is under revision, Technical Committee TC 4-44 will revise the publication in such a way that lighting performance requirements may vary depending on actual status of environmental and traffic conditions.

Technical committee, consisting 25 active members and 5 advisors representing 15 countries, has carefully considered the whole content of report. The committee has met several times and has prepared the final draft in March 2008 for committee ballot. Divisional and Board ballot will be conducted in summer 2008. The report will hopefully be published also during 2008.

It is also to be mentioned that five of the above mentioned committee members are active participants with E-street project.

ISO

When the report CIE 115:2008 is approved and published CIE CB will negotiate about the possible ISO standard.

CEN

Selection of lighting class

The German delegate in CEN/TC169 has presented the situation in CIE/TC 4-44 and E-street project at the committee meeting 27.9.2007 in London.

The committee made the following resolution 178.

CEN TC/169 agreed to re-establish the CEN/TC 169/226 JWG under the Convenorship of David Coatham with the first task to develop EN 13201-5: Energy efficiency requirements and subsequent revision of TR 13201 Part 1 and EN 13201 Parts 2-4.

Performance requirements, calculation and measuring methods

These standards, parts 2, 3 and 4 should be reviewed and revised, especially part 2, in accordance with the revised publication CIE 115:2008.

The Finnish delegate in CEN/TC 226 presented activities in CIE/TC 4-44 and E-street project

at the committee meeting on 14.-15.6.2007 in Oslo. The committee will consider the revision of standards.

Extract from the minutes

7.4-WG “Street lighting”

Kai Sørensen, WG 5 Convenor, presented his report N 834, which stated that there had been no activities in WG 5. CEN/TC 169 “Light and lighting” accepted that a joint working group should be established with CEN/TC 226 (Resolution 274) but there has been no meetings or activities of the joint working group. CEN/TC 169 was continuing to work as a separate group. See also, item 8.

Pentti Hautala gave a presentation on a street lighting project associated with CEN/TC169 and TC 226 activities. The project is called Intelligent Road and Street Lighting in Europe which commenced at the request of Norway in 2006 and is expected to finally report in 2008. The work is in eight work packages and progress can be followed on www.e-streetlight.com. The project is aimed to achieve savings up to 64%.

Philippe Leger thanked Pentti Hautala for sharing his work project with CEN/TC 226.

The Power Point document “E-street -05/157 – Intelligent Road and Street lighting in Europe” presented by Pentti Hautala was in Annex 3.

8 – Liaisons with other CEN Technical Committees and European organisations

Kai Sorensen said that the road lighting standard would need now that Pentti Hautala had undertaken a new project on intelligent street lighting, see 7.4, whereby Pentti Hautala suggested that Part 2 of EN 13201 should belong to TC 226.

Kai Sørensen said that a convenor of the joint working group was now essential in that he appeared to be the only active person dealing with this standard whereby both he and Pentti Hautala said they would get together with a view to auctioning a joint working group. This action was fully supported by all the TC delegates.

3. FUTURE ACTIVITIES

In accordance with the above mentioned items activities within CIE TC 4-44 are completed.

Furthermore in CEN/TC 169 and 226 most of European standard institutions are represented: AFNOR, BSI, DIN, DS, IBN, SN etc. In the same way several representatives of national highway authorities participate especially in TC 226.

Special workshops for standard institutions are not needed, because the real work for revision is already commenced.

4. SEMINARS AND CONGRESSES

4.1 Previous events

PROMILL – Promoting Illuminating Engineering Studies, Research and Continuing Co-operation between Europe and China - Lecture and Training Sessions on Road Lighting Measures

April 11.-12. 2006, Fudan University, Shanghai

Pentti Hautala

Intelligent road lighting

Audience 45 persons (20 students and 25 representatives of industry)

Co-operation group UV7

UV7 is the co-operation group between six biggest city electricity companies and the Finnish National Highway Administration dealing with outdoor lighting matters.

General presentation and information of E-Street project by Pentti Hautala. Meeting in Espoo, Finland 16.5.2006, participation of 15 delegates.

International Conference URBAN NIGHTSCAPE 2006

Athens 21.-23.9.2006

Henri Juslen, Pentti Hautala et al

Experiences of the intelligent road lighting

Audience 120 persons

E-street Mini-Conferencies Intelligent Street Lighting

Frankfurt 8.4.2008

Pentti Hautala

Adaptive road lighting in Finland

Audience 30 persons, mainly manufacturers

4.2 Coming events

On the national level there is the need to convince local authorities to understand meaning of the adaptive lighting, e.g. in Finland civil servants of cities and municipalities. FinNRA has already installed adaptive road lighting on five projects.

Accepted papers to be presented

Finnish Association of Municipal Technology

Session of Municipal Technology

Espoo 5.-7.6.2008

Pentti Hautala

Adaptive Street Lighting

Audience 300 persons, mostly from cities and municipalities

Finnish Road Association

Conference of Traffic and Routes

Tampere 8.-9.10.2008

Pentti Hautala

Adaptive Road Lighting

Expected audience 900 persons, representatives of Highway Administration, cities and municipalities, consultants, contractors.

4.3 Sessions at Call for papers stage

Illuminating Engineering Societies of Denmark, Finland, Island, Norway and Sweden

nordic LIGHTING + DESIGN conference

Helsinki 1.-3.10.2008.

Turkish National Committee on Illumination

Lux Europa 2009

Istanbul 9. – 11.9.2009