

CIE DIVISION 4: Lighting and Signalling for Transport

REPORT for 2011 27th Session of CIE, South Africa July 2011 by Nigel Parry, UK Member of D4

Recent Activity

The divisional meeting was held in Sun City (SA) on Monday 11th and Friday 15th July 2011. I attended as UK member, and was also there in my capacity as divisional editor.

In conjunction with the divisional meeting, six technical committees held meetings

At the main Division meetings, the following points were raised:

- The Division Officer for the next quadrennium are
 - Director: Ad de Visser (NL)
 - Associate Directors: Ron Gibbons (USA) and Yandin Kin (CN).
 - Secretary: Ans van den Broek (NL)
 - Editor: Nigel Parry (UK)
- The two new TCs proposed at the last meeting met at SA.
 - The first being to review the photometry of road surfaces, with Cyril Chain and Giuseppe Rossi confirmed as joint TC Chairmen. Nigel Townsend is proposed as a UK member of this TC (TC4 50).
 - The second established with the provisional title of "Optimisation of road lighting". The objective of the committee is to gather evidence from around the world on the impact of variable light levels (or even switching off) on night time road traffic accident figures. It needs to develop the terms of reference and will look at accident data, risks, energy use, review CIE983 and provide literature review Carl Anderson will be the Chairman. Various people have expressed an interest in joining this TC, including Stuart Mucklejohn and Wenqun Wang from the UK. I also put my name forward for this as it is close to what I do on a day to day basis and will forward an ILP report I produced last year and seek information from the Highways Agency on their trials (TC4- 51). Paul Larsen is the reporter
- A TC is under consideration to revise CIE 72, Retroreflection properties and uses.
- Lisa Halonin proposed a new TC for mainly outdoor lighting that would be a joint divisional report (1, 2, 4 &5) – it will look at standards for Mesopic Vision and Teresa Goodman has been proposed as UK representative.
- Lighting for the Elderly – Div 4 recommends to continue with Reporters

A table is attached outlining the TC activity

Next Divisional meetings

The next D4 meeting will be held in either Malaysia or the USA. To be confirmed

Nigel Parry

UK D4 member and D4 editor

August 2011

CIE DIVISION 4 – LIGHTING AND SIGNALLING FOR TRANSPORT

TECHNICAL COMMITTEES – Position at September 2010

No	Title	Status	Chairman	UK Membership	Progress and Comments
	Met at Session				
15	Roadlighting calculations, test data and measurements	Report	S Onaygil		Final meeting was held at Sun City and drawings and tables are to be updated and should move forward for editing by October 2011
19	Road visibility in fog	Report			Looking for a new chair, connections with metrological link - Director to discuss with Ann Webb
21	Interference by light with astronomical observations	Report	Marc Gillet		There continue to be significant differences of view within the TC. Proposed to change to technical collection and then close
24	Calculation and measurement of tunnel lighting quality criteria	Report	Marcel Justin	John Rands	Report published, TC now closed
26	Systems for measurement of photometric quantities of road lighting installations	Report	Giuseppe Rossi		Out for Division and BA ballot
32	Surface colours for traffic signs	Report	Jurgen Ewald		No Comment
33	Discomfort glare in road lighting	Report	Ron Gibbons		An early draft has been done.
36	Visibility design in roadway lighting	Report	Richard Stark		Agreement to resolve major problems, should be finalised soon. No update at meeting
40	Requirements for retroreflective traffic signs	Report	Paul Carlson		Draft report to be ready for editing soon?
43	Emergency lighting in tunnels	Report	Marc Gillet	Doug Simpson, John Rands	Accepted in Division and BA ballot but with negative comments to be resolved.
44	Management and maintenance of road lighting	Report	Pentti Hautala	Doug Simpson, Bryan Shortreed	Now published, TC closed
45	Performance assessment method for vehicle headlamps	CIE Report and	Geoff Draper	Geoff Draper,	Report and Standard both published, TC now looking at scoring system for headlight performance.

		Standard		Terry Carter	
46	300 mm roundel signals	CIE/ISO Standard	Carl Andersen	Hugh Barton	To be combined with 200mm roundel document
47	Application of LEDs in transport lighting and signalling	Report	Steve Jenkins	Hugh Barton, Ian Tutt	This is extensive document review - with 35 comments with tasks . Maybe ready by end 2012
48	White light in road lighting	Report	Stephan Voelker	Steve Fotios	A draft is finalised and should be ready for editing September 2011. Mainly concerned with residential roads
49	Guide to the properties and uses of Retroreflectors at night	Report			TC to meet soon
50	Road surface Characterisation for Lighting Applications	Report	Cyril Chain and Giuseppe Rossi	Nigel Townsend	A new TC is set up to review the photometry of road surfaces, with Cyril Chain and Giuseppe Rossi possibly as joint TC Chairmen. Nigel Townsend is proposed as a UK member of this TC
51	Optimsation of Road Lighting	Report	Carl Andersen	Stuart Mucklejohn, Wenqun Wang (N Parry)	The meeting was chaired by Ron Gibbons and requested examples from all of where variable lighting is being used and of any research findings. NP and Sm to forward reports from ILP and on what HA is undertaking