

MINUTES OF MEETING

Meeting:	Quarterly General Meeting
Date:	22 November 2017
Time:	9:30 – 3:00
Venue:	Tattersalls Club, 181 Elizabeth St, Sydney NSW

1. ATTENDEES

Tony Todaro (Chairman)	Clevertronics Pty Ltd
Pat Galvin	AGLO Systems Pty Ltd
Ian Robinson	Beacon Lighting
Matthew Wade	Cooper Industries Australia
Malcom Lee	Dialight ILS Australia
Jack Su	Energetic Lighting Australia Pty Ltd
Joel Moss	Evolt Pty Ltd
Tristan Downs	HIGHLUX Pty Ltd
Kim Craig	FAMCO Lighting
Dennis Galvin	HPM Legrand
Paul Roos	KLIKsystems
Christian Kiss	LEDVANCE Pty Ltd
Peter Killingsworth	Lighting Australia Pty Ltd
Lindsay McInnis	Lucesco
Ken Dick	MARTEC Pty Ltd
Chaw Meng Wong	Nikkon Lighting
Christian Connor	Optitech International
David Gardner	Philips Lighting Pty Ltd
Dave Russell	Sill Lighting
Ben Rodgers	Southern Cross Illumination
John Attlesey	Sunny Lighting SAL Nationwide
Ian Lai	Tenrod Australia
Mark Robinson	Verbatim Asia-Pacific
Joseph Alwan	Vossloh-Schwabe Deutschland
James Wang	Yi Yun Corporation
Khaled Khaled	ZG Lighting Australia
Richard Massey	Aurora Lighting
Light Source Solutions	Cane Graoroski
Ashley Packer	Future Lighting Solutions
Timocles Copland	Secretariat
Richard Mulcahy	Secretariat

Roman Gowor	Secretariat
David Crossley	Secretariat
David Tilbury	Intralux
Flavio Meole	Meoli & Co

Apologies

Mark Rutherford	Vivid Illumalite
Russell Loane	Eye Lighting
Terry Parker	IWE
Sumeet Mathur	Toshiba
Christian Connor	Optitech
Tony Berland	HPM Legrand

2. OPENING AND WELCOME

The Chairman, Tony Todaro, welcomed members to the Quarterly General Meeting.

3. COMPETITION COMPLIANCE NOTICE

Members were informed that Lighting Council Australia takes its obligations under the Competition and Consumer Act seriously. No Lighting Council meeting will discuss matters affecting competition between its members or between members and third parties.

These minutes duly record the activities of the meeting in accordance with the compliance obligations of the Act.

4. MINUTES OF LAST MEETING

It was resolved that the minutes of the Quarterly General Meeting held on Wednesday 23 August 2018 were true and correct.

Moved: Pat Galvin

Seconded: Khaled Khaled

5. OVERVIEW OF ACTIVITIES

Richard Mulcahy gave an update on Lighting Council activities since last meeting.

- Hosted Sub-industry Group meetings in Sydney
- Visited prospective members in Brisbane, Sydney, Melbourne and Tasmania
- Member visits in Perth, Brisbane and Adelaide
- 3 Light Technical Briefs drafted
- Illuminations viewership has continued to increase
- Media training for 3 staff members - Tim, Roman, David
- Increased Media releases for LED MEPS campaign
- Interviewed for Channel 9
- Lighting MEPS Regulatory proposal – extensive political engagement campaign.
- Alternative MEPS policy development (based on EU model).

- Technical and Regulatory workshops – (Brisbane, Sydney, Melbourne)
- Building Automation/ Smart Buildings Standards Forum
- ITIF Meetings
- NECA partnership meeting
- Construction Product Alliance meetings
- Exit cycle extension - Met with DEHP Kylie Hughes
- Continued administering FluoroCycle and ExitCycle
- VEET consultation submission
- NSW ESS consultation underway
- Minamata Convention submission
- LED MEPs consultation submission
- National Construction Code – Lighting industry submission driven by Lighting Council
- Reported non-compliant PLM exit sign cases to council inspectors
- Standards Committees attendance- Timocles, David, Roman
- Photoluminescent exit signs – Standards Australia project proposals accepted
- KNX protocol standards - Published as Technical Specifications and not Australian Standards

6. ACCOUNTS

The Hon Treasurer Kim Craig gave an update on the accounts. A small operational loss over the last quarter to 30 September 2017 was covered by profits generated from the SPARC exhibition. A significant travel budget was allocated to the LED MEPs political campaign. Also, Lighting Council staff received media training.

7. VEET

David Crossley gave an update on the finalised submission in response to the Victorian Energy Upgrades Commercial Lighting Issues paper and subsequent developments.

- VEET regulations will sunset in December 2018, the updated regulations will be determined through a consultation process with a draft for public comment expected in the next month.
- Lighting still forms a majority of VEECs and as such a discount rate will be applied to ensure there is no bias due to the business as usual case. The discount rates are shown in the table below to be implemented in two stages with the full discount applied from 1 April 2018.
- Members were encouraged to forward any cases of non-compliant products installed under the scheme; fraudulent accredited person activities; or slow registration processes to the secretariat for use in future consultations.
- 2016 products test found up to 45% of samples failed in safety or performance.
- 10 000 certificates were withdrawn last year for various reasons.

Action: Secretariat to put questions on public notice around safety of products and consequences for fraudulent certificates.

VEET discount factors for lighting products

INCUMBENT TECHNOLOGY	1 JAN 2018 TO 31 MAR 2018	1 APR 2018 ONWARDS
T8 or T12 linear fluorescent	0.9	0.8
Metal halide	0.85	0.7
Mercury vapour	0.85	0.7
High pressure sodium	0.85	0.7

8. SMART LIGHTING SUMMIT

Richard Mulcahy informed members of the secretariat's intention to run a smart lighting convention at the Gold Coast in mid-2018.

- The summit would run for 3 days, including world class speakers, a trade show and a gala dinner in an American-style conference with hospitality and entertainment.
- This would allow the lighting industry to position itself in the centre of new technological development
- Pat Galvin is the board nominee with Roman Gowor from Lighting Council as part of the steering committee.
- A venue has been sourced with an estimated attendance of 500 delegates
- Sponsorship is needed outside of the lighting industry. If sponsorship is lacking, the event will not go ahead.
- Gold Coast Tourism has committed to sponsoring capital
- The cost of a tradeshow display would be half of that at SPARC

9. SUB-INDUSTRY GROUPS

David Crossley gave an update to members of the recent Sub-Industry Group activities

- Standards Australia has undergone a Technical Governance Review headed up by ITIF
- Four Light Technical Sheets have been produced on:
 - The effects of Ripple Control signals on lighting equipment.
 - Regulatory Update – including the re-classification of various lighting products (e.g. residential recessed luminaires are proposed to move to level 3).
 - Regulatory Compliance Mark – A summary of the electrical safety and ACMA marking requirements. Additional note: from 1 March 2018, all ERAC EESS in-scope electrical products at all points in the supply chain will require the RCM mark.
 - Recessed Luminaires – The latest standard contains new marking requirements and additional testing requirements compared to the European standard. The installation requirements are clarified as some electrical contractors were claiming that they could only install IC-4 rated luminaires.

- Some papers will only be distributed to members, while some will be available publicly (e.g. RCM marking requirement document proposed to be publicly available).
- For the proposed changes to the National Construction Code 2019, controls should be made mandatory for some areas, such as car parks.
- LED MEPS parameters were discussed, with members opposed to the poor definitions and lack of international standards used in reference to testing.
 - Dimming – no international standard for testing
 - Flicker – limited evidence on the health impacts in the frequencies proposed to be regulated, no international standards
- Enquiries were made with VEET and IPART to push for recognition of the AEMO load values
- Lighting Council has continued IPWEA – SLSC involvement
 - SLSC is aiming to increase involvement with road and local government authorities where uptake of LED lighting is poor (e.g. WA and QLD).
- The Minamata convention is likely to be ratified by major manufacturing economies. This will have the effect of reducing the available supply of mercury vapour lamps globally starting in 2020. Countries that ratify the Minamata convention will not be able to manufacture, export or import mercury vapour lamps. Other high intensity discharge (HID) lighting technology products will not be affected (e.g. metal halide and high pressure sodium). Members are no longer developing mercury vapour technologies so this should have little direct impact on lighting suppliers. However, the main impact will likely be on local governments as many residential street lights still use mercury vapour lamps and they will need to allocate additional budgets to update these old assets to LED technology. Lighting Council will develop a Light Technical brief aimed at promoting any upgrades to fully integrated LED luminaires rather than just upgrading with an LED lamp.

Action: Secretariat to publish a Light Technical Brief on the Lighting Council website.

10. STANDARDS MATTERS

David Crossley updated attendees on Lighting Council's involvement in Standards Australia's committees and highlighted upcoming and proposed changes that could have large commercial impacts.

- CT/1's KNX project was published as a technical specification and not a full Australian Standard. Commonwealth procurement rules would no longer dictate that this protocol is used in new government buildings when building automation is sought.
- EL-041 *Electrical safety (Lamps, luminaires and control equipment)*
 - AS/NZS 60598.1 (luminaires – general requirements and tests) published,
 - AS/NZS 61347.1 balloting complete (Lamp controlgear, Part 1: General Requirements and tests), to be published soon.
 - AS/NZS 60598.2.20 (lighting chains) and 21 (rope lights) commenting complete,
 - The committee has 10 other standards in drafting phase
- LG-002 *Street lighting*
 - AS/NZS 1158.3.1 (Lighting for roads and public spaces - Pedestrian area (Category P) lighting - Performance and design requirements) is up to committee draft 15 and nearing public comment (public comment document due out in Q1 or Q2 of 2018),

- AS/NZS 1158.2 *Computer procedures for the calculation of light technical parameters for Category V and Category P lighting* - out for public comment
- TS 1158.6 Luminaires – Performance – Ready to be published.
- LG/7 *Emergency Lighting in Buildings*
 - Emergency escape lighting and exit signs for buildings – 3 parts reviewed, no longer accepting public comment.
- LG/9 *Sports Lighting* –
 - AS/NZS 2560.1 in drafting phase, 1 Chair (Peter Jones), 2 members (Patrick Rident-Tiercelet (Eye Lighting), Robert Scowcroft (Gerard Lighting)).
- QR/12 *Conformance Marking to Regulatory Requirements*
 - AS/NZS 4417.2 out for public comment – recessed residential luminaires are proposed to be elevated to Level 3 in order to target downlights that have integrated drivers. The definition will exclude commercial and industrial recessed luminaires.

Action: The Secretariat will notify members when projects are available for public comment.

11. NATIONAL CONSTRUCTION CODE 2019

David Crossley updated members on recent developments regarding consultation by the Australian Building Code Board (ABCB) on proposed changes to the commercial lighting requirements in the National Construction Code (2019 edition).

- Most proposed changes are in reference to illuminating power densities (IPD) and efficacy of external luminaires.
- Lighting Council has provided 2 submissions, one of which in conjunction with IALD and IES
- The biggest impacts will be on indirect and decorative lighting.
- The proposed IPD changes are a 50- 90% increase in stringency, Lighting Council is pushing for 30-50% increases only.
- Regarding exterior lighting, the proposal would ban up lights while efficacy requirements would remove products like brick, bollard, decorative and RGB tuneable lights.
- Members discussed the biggest impacts to consumers would be in façade lighting and in retail spaces.
- Australia should align with other jurisdictions that have similar provisions.
- There is no lighting industry representation on the Building Code Board (BCC). Historically there have been examples of rubber-stamping and approval of unrealistic standards without commercial viability. Lighting Council has been informing current members of the BCC of the implications of these regulations to avoid an uninformed approval.
- The secretariat is convening a member meeting with IALD and IES on Friday 24 November to compile points to be submitted to the ABCB by mid- December. Public comment will begin in February 2018.
- There is a need for the lighting industry to be involved in the initial stages of revision development.
- Energy efficiency and economic outcomes shouldn't be the only considerations. Healthy, fit-for-purpose lighting should be the primary consideration.

- Lighting Council will call for members to submit examples of outdoor lighting products in order to determine definitions for products that should be exempt from efficacy requirements.

12. PROFESSOR ANDREW ZELE, QUT

Professor Zele presented a talk on melanopsin, a newly discovered photoreceptor in the eye, and its potential impact on the lighting industry. The implications of this research could have profound effects in energy efficiency and human centric lighting design as these cells control melatonin and circadian rhythm as well as impacting mood and pupil control. From this new research area, Australian scientists are predicting that new lighting products could be developed that include a specific wavelength to trigger melanopsin and cause the lighting to appear brighter than actual. This could occur for any colour temperature lamps and luminaires.

This has the potential to save significant amounts of energy using any colour temperature light source (and including the melanopsin trigger wavelength light).

Additionally, the amplitude of the melanopsin wavelength could be varied depending on the time of day to achieve either alertness (higher amplitude) or preparation for sleep (low amplitude).

Action: The Secretariat will distribute reference material to members

13. MEPS FOR LEDS

Richard Mulcahy provided a recap on the campaign so far, prefacing that this level of parliamentary engagement hasn't been traditionally undertaken by the secretariat historically:

- Lighting Council board authorised the campaign of political engagement with an allocated budget.
- 1,600 letters have so far been sent to all federal, state and territory parliamentarians.
- LCA sent every LCA member an email with proposed details based on each members' electoral details. Members are still encouraged to continue contacting their Members and Senators.
- Meetings were held with energy ministers or advisors from Victoria, Tasmania, South Australia and Western Australia.
- In Federal Parliament, support was gained from Coalition parliamentarians who are unhappy with the proposal
- Poor regard for governance and procedures was raised with the Secretary of the Department of the Environment and Energy
- There is an indication of support for a performance audit of the lighting section of the Department through the Public Accounts Committee
- One Nation Party and Pauline Hanson have been supportive; Nick Xenophon was also supportive prior to his exit from federal politics
- Lighting Council met with the President of the AMWU who was very helpful
- Next week in Canberra there are meetings with Senator di Natale, other government Senators and the OBPR.
- There is concern that the Department will try to push the same substantive proposal after a token consultation.

- LCA have formulated a draft proposal based on European regulations. However, substantial review of the Australian Government GEMS Act would be required to accommodate such a proposal. The GEMS Regulator is required to review the GEMS Act every five years and the first review of the Act will begin soon. Lighting Council will propose the following to align Australian compliance requirements with EU requirements:
 - Supplier declarations based on manufacturer data rather than overly onerous standards testing regimes
 - Pre-market compliance requirements need to be minimised in favour of post-market compliance monitoring and enforcement by the regulatory authority.
- The Minister's Office is conveying inaccurate information to other parliamentarians, suggesting that LCA does not care about the environment.
- The secretariat will contact the Prime Minister's deregulation unit

14. COMPLIANCE POLICY

The aim of the compliance policy is to have a document that provides an approach backed by the industry. A draft was circulated to members, from which the Chairman explained:

- Lighting Council wants to ensure that all members are in alignment.
- The document sets out the current regulatory landscape with respect to Electrical Safety, EMC, Consumer Law, Country of Origin and code of conduct.
- It concludes that current regulation is sufficient however there is not an effective mechanism for market monitoring and compliance enforcement.
- Significant fees are collected by the Department of the Environment and electrical safety regulators from the lighting industry without accountability on how these fees are used in compliance efforts.
- A template for reporting non-compliant product to the secretariat has been included as an appendix to the compliance policy paper.
- Reporting to regulators has no repercussions if there isn't an immediate danger to consumers. LCA will facilitate regulators' action by doing preliminary work in cases where necessary.

15. GENERAL BUSINESS

The Chairman made attendees aware that Russell Loane (Eye Lighting) has been appointed as President of the Global Lighting Association. Bryan Douglas, past CEO of Lighting Council, is Secretary-General. Tony highlighted the importance of the GLA and expressed gratitude for their contributions.

Dennis Galvin requested an update on Photoluminescent (PLM) exit signs. The Chairman mentioned that PLM is being fought on two fronts. Firstly, non-compliant installations (where a dedicated light source and emergency lighting are not being installed) are being reported to inspectors as certifiers were signing off on these non-compliant installations. Secondly, LCA is advocating for ABCB to ban the product. Some companies have retracted interest in installation of PLM signs in new construction projects.

David Tilbury proposed that a project is run through Lighting Council to further Professor Zele's research. Richard Mulcahy reported LCA doesn't have the resources, time, personnel or funding and felt that utilising Professor Zele's work was best done on a commercial basis by individual LCA members. Khaled Khaled also cautioned that the topic could potentially be an overlap of proprietary research that is underway in Europe and all research findings should be considered.

16. NEXT MEETING

Wednesday

28 February 2018

Melbourne

Action: Secretariat to distribute meeting dates for next year.