

# Meeting Report and Listing of Actions

## *lites.asia* - Sixth Workshop

New Delhi: 2-4 October, 2012

### Summary of Actions

The sixth *lites.asia* workshop was held in New Delhi from 2-4 October 2012. Summary actions from the meeting are as follows.

Participants are asked to:

- *Make their national standards committees aware of their views and/or concerns with the current draft of the IEC 60969 standard and request onward transmission of these concerns to the IEC. Where appropriate, comments should also to be forwarded to the lites.asia operations manager to allow circulation among members.*
- *Make their national committees aware of their desire to support the IEC Technical Specification on Self Ballasted CFL Performance Tiers (to be circulated soon to IEC TC34 PRESCO for comment), and the associated lites.asia submission to the IEC of the Resolution Supporting the Proposed IEC Technical Specification on Self Ballasted CFL Performance Tiers.*
- *Inform their national committees and other stakeholders of the opportunity to review the various LED test and performance standards currently approaching completion by the IEC.*
- *Inform their national standards committees and other stakeholders of the availability 4E SSL performance specification for non-directional LED lamps, directional LED lamps, LED downlighting fixtures and LED replacements for linear tubes and to encourage comments to be submitted on the Draft Street lighting Performance Specification (refer <http://ssl.iea-4e.org/task-1-quality-assurance/draft-performance-tier-review>).*
- *Invite testing laboratories to apply to participate in the 4E SSL Annex's inter-laboratory comparison test of SSLs to build testing capacity and consistency. Participation has a marginal cost (contact Nils Borg [ssl.annex@gmail.com](mailto:ssl.annex@gmail.com) or Michael Scholand, [mscholand@n14energy.com](mailto:mscholand@n14energy.com)).*
- *Make maximum use of the resources available from the Global UNEP/GEF en.lighten Initiative, the Global Efficiency Lighting Centre, and the Regional Lighting Centre for South Asia. Participants were also asked to consider which stakeholders within their country may benefit from receiving/using the consumer guidelines for selecting good quality LEDs (refer <http://www.lites.asia/news-and-events/news/led-consumer-guidelines-version-2>)*
- *Submit any communications material available for use in the lites.asia library. For example, consumer communications information, lamp packing, training guides, awareness raising advertising, lamp equivalence guidelines, etc.*

- *Inform relevant stakeholders in their country (lighting manufacturers, recyclers, environment departments, etc) of the potential impact of the international negotiations on a legally binding mercury convention on the transportation and use of mercury containing products, and encourage review and comment at the first possible opportunity. Contents of the convention are expected to be finalised in January 2013 ([www.unep.org/hazardoussubstances/Mercury/Negotiations/tabid/3320/Default.aspx](http://www.unep.org/hazardoussubstances/Mercury/Negotiations/tabid/3320/Default.aspx)).*
- *Review the comprehensive plans from the Philippines for financing and implementing Extended Producer Responsibility with regard to lighting (refer to the presentation given by Raquel Huliganga during the workshop, [Extended Producer Responsibility and Lamp Recycling Facilities in the Philippines](#)), and the Section 5 of the UNEP/GEF toolkit on safeguarding the environment and health ([www.enlighten-initiative.org](http://www.enlighten-initiative.org)).*
- *Submit details of additional monitoring verification and enforcement and local laboratory capacity building needs to Kathryn Conway ([Kathryn.Conway@unep.org](mailto:Kathryn.Conway@unep.org)) to enable development of more detailed proposals for capacity building actions.*
- *Suggest items for inclusion in the next lites.asia meeting, provisionally to be held in Indonesia in April 2013.*

The lites.asia Operations Manager and Contractors are to:

- *Submit the lites.asia Resolution Supporting the Proposed IEC Technical Specification on Self Ballasted CFL Performance Tiers to the IEC, requesting that the IEC continue to develop and then release this specification.*
- *Attempt to supply more information on the ongoing developments in LED standards to facilitate more engagement with, and understanding of, the LED standards under development at the IEC.*
- *Arrange for the completion and issue of the Performance Criteria for LEDs Operating in Tropical Conditions.*
- *Consider the practicality of including information on standards and/or test laboratory capacity within the specification/ scope of the lites.asia library*
- *Review detailed feedback from the 'Informing the Suppliers' event and, if positive, investigate with next meeting hosts whether such an event would be considered of interest for their supplier base.*

## Meeting Report

The sixth *lites.asia* workshop was held in New Delhi from 2-4 October 2012. The programme was split into two specific elements:

2-3 October 2012: ***lites.asia* stakeholder forum**

4 October 2012: **'Informing the Suppliers'**

Links to the program and presentations from both events are available on the *lites.asia* website at [www.lites.asia/news-and-events/events-workshops/sixth-lites-asia-meeting-october-2012](http://www.lites.asia/news-and-events/events-workshops/sixth-lites-asia-meeting-october-2012).

The workshop was funded by Australian Aid's (AusAID) Fast Start activities through the Department of Climate Change and Energy Efficiency, and by ELCOMA, the India lighting association.

### ***lites.asia* Forum**

32 stakeholders from 10 countries were represented at the forum. A number of impressive presentations stimulated robust discussions across a broad range of issues. The major areas covered are summarised below.

#### **1. Recent IEC meeting outcomes and *lites.asia* member proposed actions**

*lites.asia* members who also attended the recent IEC meetings in Beijing provided participants with an update on some of the discussions and issues arising from the Beijing meetings. Of particular interest to the *lites.asia* group were:

- Some items of concern in the most recent draft of the IEC 60969 standard for the measurement of CFL performance. A number of participants expressed concern that, if the current version of the standard was integrated in their local regulatory framework, it has the potential to undermine some of their goals of promotion of efficient lighting within their country. In particular the current proposal for compliance with lifetime claims was highlighted, but other issues were also noted. The group agreed to draw these issues to the attention of their national committees for onward transmission to the IEC and to share individual national concerns among the group to highlight issues that may be of concern elsewhere.

**Action 1:** *Participants to make their national standards committees aware of their views and/or concerns with the current draft of the IEC 60969 standard and request onward transmission to the IEC.*

**Action 2:** *Participants also to provide the *lites.asia* Operating Agent with any issues they have with the current draft of IEC 60969 which they would like sharing with other members of the *lites.asia* network.*

- Participants expressed disappointment with the reception given to the proposals for an IEC Technical Specification on Self Ballasted CFL Performance Tiers (PRESCO(OM)026). Participants believed such a specification issued by the IEC would be valuable for future standards and labelling development within their countries. Consequently the group agreed to again make national committees aware of the issue

(to be circulated soon by IEC TC34 PRESCO for comment), and also passed a resolution asking for the IEC to consider working on the development and eventual issue of performance tiers for CFLs (refer Appendix 1).

**Action 3:** *lites.asia operations manager to submit the lites.asia Resolution Supporting the Proposed IEC Technical Specification on Self Ballasted CFL Performance Tiers to the IEC requesting that the IEC continue to develop and then release this specification.*

**Action 4:** *Meeting delegates to make their national committees aware of their desire to support the IEC Technical Specification on Self Ballasted CFL Performance Tiers.*

- The developments in LED performance measurement (in particular IEC62722-1 Luminaire performance – Part 1 General requirements and IEC62722-1 Luminaire performance – Part 1: General requirements) are moving towards committee draft stage and participants are encourage to ask national committees to review the proposals prior to the next working group meetings in January 2013. Also to be discussed in the January meetings are proposals for the measurement of LED lifetime in this context (34A/PRESCO(KMP)). Finally, for those countries where lighting chains are significant, delegates attention was drawn to IEC 60598-2-20: luminaire performance – Part 2-20: Particular requirements – Lighting Chains.

**Action 5:** *Participants are encouraged to inform their national committees and other stakeholders of the opportunity to review the various LED test and performance standards currently approaching completion by the IEC.*

**Action 6:** *lites.asia Operating Agent to attempt to supply more information on the ongoing developments in LED standards to facilitate more engagement with, and understanding of, the LED standards under development at the IEC.*

## **2. Non-IEC standards, performance specifications and testing developments in LEDs**

Several items were covered relating to non-IEC performance specifications and related testing:

- The IEA 4E SSL Annex has completed performance specifications for non-directional LED lamps, directional LED lamps and LED downlighting fixtures (LED replacements for linear tubes are almost complete) and participants were invited to review and consider potential adoption of these specifications, [which are available on the IEA 4E SSL Annex website](#). Further, comments are sought on the [draft Street Lighting Performance specification](#).

In addition, the SSL Annex shared details of their plans for an inter-laboratory testing to develop laboratory capacity and comparability of SSL results between laboratories (between October 2012 and June 2013). *lites.asia* participants were invited to encourage laboratories within their country to participate in this inter-laboratory comparison and to contact one of the laboratories acting as a hub in the process. Participation has a marginal cost of Euro 2650 + 750 (for non Annex members) + shipping and taxes. [note that the SSL Annex is current investigating the opportunity for

the inter-laboratory comparison to be accepted as a Proficiency Test by Accreditation Bodies for laboratory recognition/accreditation for SSL testing].

**Action 7:** *Participants are encouraged to inform their national standards committees and other stakeholders of the availability 4E SSL performance specification for non-directional LED lamps, directional LED lamps, LED downlighting fixtures and LED replacements for linear tubes and to encourage comments to be submitted on the Draft Street lighting Performance Specification (refer <http://ssl.iea-4e.org/task-1-quality-assurance/draft-performance-tier-review>).*

**Action 8:** *Test laboratories are invited to apply to participate in the inter-laboratory comparison test of SSLs by contacting one of the operating agents (contact Nils Borg [ssl.annex@gmail.com](mailto:ssl.annex@gmail.com) and Michael Scholand, [mscholand@n14energy.com](mailto:mscholand@n14energy.com)*

- Participants were also presented with the fully revised draft of Performance Criteria for LEDs Operating in Tropical Conditions. These performance criteria have been developed specifically at the request of *lites.asia* participants to provide additional performance requirements for lamps operating in tropical conditions (with the associated additional challenges of temperature, humidity, voltage variation and insect impact). These performance criteria will finalised within the next few weeks and published for adoption by the group.

**Action 9:** *lites.asia Operating Agent to arrange for the completion and issue of the Performance Criteria for LEDs Operating in Tropical Conditions.*

### 3. Global and Regional Support available to Stakeholders in their Promotion of Efficient lighting.

The Global UNEP/GEF en.lighten initiative, the Global Efficiency Lighting Centre, and the Regional Lighting Centre for South Asia presented details of the policy and technical support available to countries within the region seeking to promote efficient lighting. In particular, en.lighten noted the availability of the phase-out toolkit, revised country lighting profiles, beta copies of software to enable countries to evaluate various strategies for phasing-out inefficient lighting.

**Action 10:** *Delegates are encouraged to make maximum use of the resources available from the Global UNEP/GEF en.lighten Initiative, the Global Efficiency Lighting Centre, and the Regional Lighting Centre for South Asia.*

### 4. Communications Tools and Resources

Participants discussed two resources for assisting with stakeholder communications/ education:

- The specification for the *lites.asia* communications materials library was reviewed with suggestions given to consider adding national policy information and/or information on the availability and capacities of laboratories within the region.



In preparation for the completion of the specification and commissioning of the library development, delegates were requested to submit any communications material available.

**Action 11:** *The lites.asia Operations Manager to consider the practicality of including information on standards and/or test laboratory capacity within the specification/ scope of the library*

**Action 12:** *Participants to submit any communications material available for use in the lites.asia library. For example, consumer communications information, lamp packing, training guides, awareness raising advertising, lamp equivalence guidelines, etc.*

- The *lites.asia* guidelines to assist consumers select quality LEDs is now available. The guidelines were developed at the request of *lites.asia* participants to provide impartial advice that can be adopted in part or as a whole by stakeholders throughout the region. The Tongan delegate noted that the guidelines had already been translated for use within Tonga.

**Action 13:** *Participants to consider which stakeholders within their country may benefit from receiving/using the consumer guidelines for selecting good quality LEDs (refer <http://www.lites.asia/news-and-events/news/led-consumer-guidelines-version-2>).*

## 5. Environmental and Health Issues

India and the Philippines provided details of their plans for lighting waste management. In particular, the Philippines gave detailed descriptions of their plans for extended consumer responsibility including a tariff on lamp imports to finance the ultimate lamp waste management recycling and recovery.

Participants were also briefed on:

- The most recent developments in the international negotiations on a legally binding mercury convention on the transportation and use of mercury. These negotiations are approaching completion (probably in January 2013) and have the potential to have a major impact on the lighting industry. Participants were strongly encouraged to inform relevant stakeholders in their country (lighting manufacturers, recyclers, environment departments, etc) of the potential impact of these negotiations and encourage review and comment at the first possible opportunity.
- Information provided by the GEF/UNEP en.lighten toolkit and by the Policy Makers Guide to Mercury in CFLs to support policy makers in decisions related to mercury in lighting and other health issues stemming from the use of particular lighting technologies.

**Action 14:** *Participants are strongly encourage to inform relevant stakeholders in their country (lighting manufacturers, recyclers, environment departments, etc) of the potential impact of the international negotiations on a legally binding mercury convention on the*

transportation and use of mercury containing products, including lamps, and encourage review and comment at the first possible opportunity. Contents of the convention are expected to be finalised in January 2013 ([www.unep.org/hazardoussubstances/Mercury/Negotiations/tabid/3320/Default.aspx](http://www.unep.org/hazardoussubstances/Mercury/Negotiations/tabid/3320/Default.aspx))

**Action 15:** Participants are encouraged to review the comprehensive plans from the Philippines for financing and implementing Extended Producer Responsibility with regard to lighting (refer to the Day 1\_Session 4.1\_EPR and lamp recycling\_Raquel Huliganga presentation during the workshop), and the Section 5 of the UNEP/GEF toolkit on safeguarding the environment and health ([www.enlighten-initiative.org](http://www.enlighten-initiative.org)).

## 6. Labelling Supervision Survey

Following the decision at the preceding *lites.asia* workshop in Vietnam, proposals were made on a collaborative labelling surveillance project involving countries within the region. The goal of the project is to establish current levels of labelling compliance and evaluate whether increased market monitoring and communications with the supply chain improves these levels of compliance. Proposals included the outline survey methodology, responsibilities of the project coordinator and individual countries, and the project timeframes. Provisionally six countries have agreed to participate in the project (Australia, Indonesia, Philippines, Sri Lanka, Thailand, Vietnam). Mr Mark Ellis will coordinate the project and will hold further detailed discussions with individual countries within the next few weeks, with the first survey anticipated late 2012/early 2013.

**Action 16:** Mark Ellis ([mark@energyellis.com](mailto:mark@energyellis.com)) to develop a framework for the regional labelling surveillance survey and liaise with individual countries to develop plans for local implementation.

## 7. Capacity Building for Laboratories

The UNEP/GEF *en.lighten* initiative outlined possibilities for a potential project (pending bi-lateral support from Australia) to enhance monitoring, verification and enforcement (MVE) capacity and skills. Increasing lighting laboratory and testing capacities is especially of interest to *lites.asia* members. Based on questionnaire results from July 2012 *lites.asia* workshop in Hanoi, provisional areas investigated included training for laboratory staff, professional exchanges, data sharing, lab accreditation, and coordination of calibration of equipment. Participants were strongly urged to provide additional suggestions/clarification of MVE and local laboratory needs to assist in project development.

**Action 17:** Participants to submit details of additional MVE and laboratory capacity building needs to Ms. Kathryn Conway, UNEP Programme Officer ([Kathryn.Conway@unep.org](mailto:Kathryn.Conway@unep.org)) to enable development of more detailed proposals for capacity building actions.

## 8. Updates on National Standards, Labelling and Compliance Activities from Participants

Participants from Australia, Bangladesh, India and Sri Lanka kindly presented updates on the evolving standards, labelling and compliance processes within their countries. A representative from UL was also kind enough to provide updates on recent developments in the qualification processes for the US Energy Star programme.

## 9. Next meeting focus, location and timing

Indonesian representatives offered to facilitate the hosting of the next meeting in Indonesia (Jakarta or Bali). Provisionally this meeting will be in April 2013. In addition to the normal updates on developments within the IEC and ongoing reports on collaborative projects, suggestions for areas of focus are street lighting and task lighting.

**Action 18:** *Participants to suggest items for inclusion in the next lites.asia meeting, provisionally in Indonesia in April 2013.*

## Informing the Suppliers

It was suggested at the preceding *lites.asia* meeting in Vietnam that there is potential value in providing suppliers of lighting products in countries where *lites.asia* meetings are held with details of the standards and labelling requirements of countries within the Asian region. This one day workshop was held as a pilot to test the concept.

Specifically, the goal of the workshop was to improve supplier understanding of mandatory and voluntary requirements of individual countries for energy efficiency and related product quality, thereby increasing the likelihood of the suppliers understanding these requirements and supplying products that comply with regulations.

Presentations were provided by Australia, Indonesia, Sri Lanka, Philippines, Thailand, China and Vietnam. These presentations were followed by group questions from the audience, and finally one-to-one sessions between individual suppliers and national participants.

Provisional outcomes appear very positive with consensus from the 30 supplier representatives present indicating that the event was of significant benefit. Further analysis of feedback questionnaires will be undertaken to confirm this provisional view, and if it is correct, discussion will be undertaken with the next host country (Indonesia) to see if a similar event would be of benefit to their supplier base.

**Action 19:** *lites.asia Operations Manager to review detailed feedback from the 'Informing the Suppliers' event and, if positive, investigate with next meeting hosts whether such an event would be considered of interest for their supplier base.*



# Appendix 1

## ***lites.asia* Resolution Supporting the Proposed IEC Technical Specification on Self Ballasted CFL Performance Tiers**

Representatives of ten countries from the Asia-Pacific region attended the sixth meeting of the *lites.asia* forum of lighting efficiency regulators and policy makers in New Delhi 2-3 October 2012. The countries represented encompass approximately half the world's population (Australia, Bangladesh, China, India, Indonesia, Philippines, Sri Lanka, Tonga, Thailand and Vietnam).

The meeting considered the current proposal for an IEC Technical Specification on CFL performance tiers (PRESCO(OM)026) and resolved to convey support for this proposal to the IEC.

*lites.asia* countries value the availability of IEC international standards and other documentation as a resource that is often used by them to develop national standards in safety, testing and performance.

In this context the meeting viewed the proposed Technical Specification as a valuable tool in informing and assisting countries to promote quality energy efficient lighting and asks that the IEC continues to develop and then release this specification.

***New Delhi, 3 October 2012***