

SUMMARY OF TOPICS

The following topics were discussed at the meeting of the Standards Technical Panel for Sustainability of Luminaires:

1. Discussion of Comments regarding the Proposed First Edition of the Standard for General Illumination Lighting. UL 106

A meeting of the Standards Technical Panel of UL for the Sustainability of Luminaires was held on May 16, 2012 at UL's Northbrook, Illinois office. The purpose of the meeting was to discuss comments regarding the Proposed First Edition of UL 106, Sustainability for General Illumination Lighting.

The purpose of the STP meeting report is to briefly summarize discussions held during the meeting, and to document any resulting outcomes, including planned future action.

CALL TO ORDER, ANNOUNCEMENTS, INTRODUCTION OF MEMBERS, GUESTS, AND OBSERVERS

After meeting attendee introductions, there was a brief discussion regarding the history of the development of UL 106. UL emphasized that the goal is to publish a leadership standard that will facilitate the recognition of environmentally preferable products in the marketplace. Additionally, the same goal still exists to ballot and publish a consensus-based ANSI (American National Standards Institute) standard. This leadership standard will be one that is expected to be maintained and updated with new requirements that will reflect the evolving marketplace of new luminaire products.

ANNOUNCEMENTS AND REPORTS FROM THE STP PROJECT MANAGER

The current balance of the STP was discussed at the meeting and is shown in the following table:

Interest Category	Number of Members	Interest Category	Number of Members
Producers	6	Government	1
Testing & Standards Organizations	4	Consumer	0
Supply Chain	2	General Interest	9
AHJs	3	Commercial/Industrial User	2

UL's goal is to have no interest category comprise more than one-third of the STP membership. As such, UL is currently looking for participants in all interest categories except general interest. If you have potential candidates, please contact the STP Project Manager, Paul Lloret, paul.e.lloret@ul.com. A definition of the interest categories is available on the Standards STP Internet site:

<http://www.ul.com/global/eng/pages/solutions/standards/developstandards/participation/interestcategories/>

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FUTURE MEETING SCHEDULE

Future meetings will be held on an as-needed basis. Once a revised draft of the proposed first edition of the standard is ready for another review and future ballot, it is anticipated that another comment resolution meeting would follow to discuss comments. A specific timeline, however, was not set.

AGENDA TOPICS

The STP discussed stakeholder comments that were recently submitted in the CSDS UL 106 work area opened on January 10, 2012. The goal was to review the comment matrix and resolve as many outstanding issues as possible so that the STP could proceed with the development of the document for publication.

1. Discussion of Comments regarding the Proposed First Edition of the Standard for General Illumination Lighting. UL 106

DISCUSSION

The STP discussed stakeholder comments resulting from the revised UL 106 proposed first edition that was published in CSDS on January 10, 2012. The summary of the discussions regarding each comment is included in an updated version of the comment matrix, entitled "UL 106 Comment Matrix Discussion Summary" available in the CSDS STP 106 meeting area. To download the updated comment matrix, please logon to CSDS and the STP 106 Meeting Area. Once in the STP 106 meeting area, click on "Supporting Documentation" under the "Quick View" tab and select "UL 106 Comment Matrix Discussion Summary" where a separate window will open displaying a table with the document names and descriptions.

The formation of four task groups was a significant outcome of the meeting. Three of the task groups will revisit key portions of the standard that were discussed at the last meeting: scope, energy efficacy, and recycled materials (which includes outsourcing, content percentage, and packaging). The fourth task group is charged with developing requirements that address integral controls, power supplies, and similar components for luminaire performance. The list of task groups with respective members and assignments is located at the end of this report.

A summary of the major topics that were discussed is noted below.

ENERGY AND EFFICACY

A few comments sent by STP members noted the efficacy requirements in UL 106 did not properly address energy efficiency, including relationships between actual energy consumption, performance, and lighting quality. Additionally, some members advised that a meaningful measure had to consider the equipment as well as the installation of a luminaire.

The STP contemplated Energy Star requirements and how other organizations, such as the Illuminating Engineering Society (IES), International Association of Lighting Designers (IALD), and NEMA, handle "energy" specifications in their documents. The STP debated whether it was feasible to have UL 106 comply with minimum Energy Star specifications. Some members noted that Energy Star efficacy requirements were not consistent in their application across different products such as decorative luminaires, lamps, LEDs, etc. Additionally, Energy Star only addresses fixtures that are limited to maximum 250 W and addresses lighting products, not lighting applications. The STP noted this could create issues with the current draft requirements in UL 106. The STP searched for a baseline reference that it could use as a starting point; however the group could not find a common denominator, since the specifications that the aforementioned organizations use appear to vary from document to document.

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Additionally, a few documents that UL 106 currently references, such as IES LM-10, LM-31, and LM-41 are currently withdrawn. The STP agreed that any referenced documents in UL 106 should be readily available.

While STP members noted a light source has to be integrated with the luminaire, a few were wary of too much focus on efficiency. Many members do not want UL 106 to be design restrictive in a way that could unintentionally eliminate good lighting products. The STP acknowledged that the standard should specify good general practices without restricting design.

After additional discussion, the STP decided to form the Energy and Efficacy task group to address energy and efficacy requirements in the standard and their relationship to the various light sources and luminaire products that will be covered by UL 106. The group will seek participation from NEMA, IALD, ALA, and IES and compare the aforementioned standards to determine which new requirements are applicable for UL 106. Additional task group details are provided at the end of this report.

SCOPE

Part of the scope discussions centered on the definition of energy and encompassed the energy and efficacy discussion listed above. Additionally, the STP reconsidered its previous recommendation to include technologies that did not fit with the original luminaire scope. In order to make the work of the initial standards development effort more manageable, the STP agreed to remove photoluminescent, battery-type and other similar product types (solar, etc.) from the scope of the initial UL 106 standard. Standards for other types of lighting products can be developed under separate, future initiatives if there is sufficient interest and support for doing so. The STP also remarked that the scope needed clarification regarding "lamps" and components such as ballasts and power supplies. The STP acknowledged that the scope should not include separate components at this time unless they are critical to luminaire performance, such as controls and power supplies for luminaires.

The STP also believed that the glossary needed review to eliminate terms that were (a) not mentioned in the body of the standard, and (b) were not related to the products covered by the standard. In the latter case, glossary terms regarding removed products (such as photoluminescent lighting) would be deleted.

The STP decided to form the Scope task group to review the UL 106 scope and narrow the focus to eliminate technologies that do not fall under the luminaire/light source parameters previously mentioned. The task group will also review the glossary to address any new glossary terms that may be required due to the scope changes.

Additionally, the STP questioned the accuracy of the levels of achievement in section 7.2. Most members felt that the points awarded were too low. Table 7.1 needs to be revised to be more accurate in addressing the environmental impact of energy consumption for products to be covered by UL 106. The STP decided that the Scope task group be charged to review this section, including the achievement levels and point totals.

GLOSSARY

In addition to the discussion noted above, the STP concurred with submitted comments regarding the glossary. The STP advised that some definitions needed editing, some needed to be deleted, and others (such as "general lighting" which was recommended for the title of the standard) were required and should be included in UL 106. (The terms and related discussion information can be found in the UL 106 Comment Matrix Discussion Summary in the CSDS meeting area). Many comments advised that UL use the IES definitions, since these have already been developed by industry. UL noted that it would seek permission from IES to use the definitions in question. Additionally UL will sweep the standard to delete any definitions that are not used elsewhere in the body of the standard.

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