EEP18 Input paper

Agenda item 5

Task Number M6

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CIE-IALA Liaison

# Summary

CIE has eight divisions and of those, Division 1: Vision and Colour, Division 2: Metrology and Division 4: Lighting and Signalling for Transport are of interest to IALA. Within each division Technical Committees (TC’s) are established to produce standards and guidance notes. TC’s which are of interest to IALA are highlighted in section 3. The author will be attending Division 2 & 4 meetings in September and give a more comprehensive update to EEP19.

## Action arising from the input of the document

For information.

# Background

The International Commission on Illumination - also known as the CIE from its French title, the Commission Internationale de l´Eclairage - is devoted to worldwide cooperation and the exchange of information on all matters relating to the science and art of light and lighting, colour and vision, photobiology and image technology.  
With strong technical, scientific and cultural foundations, the CIE is an independent, non-profit organization that serves member countries on a voluntary basis. Since its inception in 1913, the CIE has become a professional organization and has been accepted as representing the best authority on the subject and as such is recognized by ISO as an international standardization body.

# CIE TC’s of interest to IALA

## Division 1: Vision and Colour

TC1-84 (NEW TC) Definition of Visual Field for Conspicuity (N. Itoh)

Terms of Reference: To define and classify functional visual fields for universal tasks and develop guidelines for the layout of visual information to increase the visibility of visual signs, displays and markings.

## Division 2: Metrology

TC2-28 Methods of characterizing spectrophotometers (T. Goodman)

Target is end of the year for draft to be sent out to TC members.

TC2-70 Standards for the Measurement of Reflectance and Transmittance Properties of Materials (D. Rich)

TC2-49 Photometry of Flashing Light (Y. Ohno)

TC2-43 Determination of Measurement Uncertainties in Photometry (G. Sauter)

CIE 198 - SP1.1:2011 to CIE 198-SP1.4:2011 Published. (The author has purchased hard copies of this publication)

TC2-65 Photometric Measurements in the Mesopic Range (T. Goodman)

TC2-71 CIE Standard on Test Methods for LED Lamps, Luminaires and Modules (Y. Ohno)

TC2-74 Goniospectroradiometry of Optical Radiation Sources (J. Pan)

## Division 4: Lighting and Signalling for Transport

TC4-47 Application of LEDs in Transport Signalling and Lighting (S. Jenkins)

TC4-32 Revision of Publication CIE 39-2:1983: Surface Colours for Visual Signalling

The output from the above mentioned Technical Committees will impact the following IALA Publications:-

E-200 Series of Recommendations

E-108 on Surface Colours

1041 On Sector Lights

1061 On Light Applications Illumination of Structures

1043 On Light Sources Used on Visual Aids to Navigation

1048 On LED Technologies and their use in Signal Lights

# References

[www.cie.co.at](http://www.cie.co.at)

# Action requested of the Committee

The Committee is requested to:

1. Note the information above.