

## TECHNICAL WORKSHOP AND PRESENTATION OF RECOMMENDATIONS

To the Central American Technical Regulation (RTCA) and Conformity Assessment Procedures (PEC) for  
luminaires.

**March 25-26, 2019, Guatemala City**  
**Concept Note & Agenda**

The governments of Central America (CA) approved the Sustainable Energy Strategy for Central America 2020, with the support of the Economic Commission for Latin America (ECLAC) in 2007. The strategy covers four objectives related to Energy Efficiency (EE); one mainly addresses the improvement of EE in lighting, refrigerators and industrial electric motors. To achieve this objective, several Member States of the Central American Integration System (SICA) have begun to work independently on the design of EE regulations and practices. At the regional level, some efforts have also been made.

The Member States of SICA developed the Central American Technical Regulation (RTCA) on energy efficiency in 2016, which establishes minimum energy efficiency standards (MEPS), test methods and performance labels for household appliances and equipment. The RTCA is a direct response from SICA member states to support energy efficiency and energy conservation in the region and to move towards the sustainable energy strategy.

Moreover, within the framework of the Mesoamerican Program for the Rational and Efficient Use of Energy (PMUREE), the countries of Mesoamerica that include all SICA member states developed a general procedure for the evaluation of conformity (PEC) to facilitate and guide the product certification bodies, inspection bodies, testing laboratories, manufacturers, importers, marketers and others interested in determining the degree of compliance of the products with the Technical Regulation on energy efficiency. The procedure applies both to products manufactured domestically and to imported products.

In parallel, the Department of Sustainable Development (DSD) of the Organization of American States (OAS) and the National Institute of Standards and Technology (NIST) of the USA, since 2011, have supported the metrology initiatives in renewable energies and energy efficiency for the Americas, and both institutions currently have a project to Advance Metrology for the Measurement and Compliance of Energy Efficiency in Central America (known as "M4EE").

The development of energy efficiency standards requires coordinated and concerted action between policymakers, regulators and the quality infrastructure community, encompassing metrology, standardization and conformity assessment.

M4EE seeks to strengthen capacities and knowledge of government officials and technical stakeholders to address energy efficiency measurements and conformity assessments for equipment and appliances; these skills will allow a more effective design and implementation of the technical regulations of energy efficiency at national and regional

level.

In this context, CLASP has been hired by the OAS to review and analyze the draft technical regulation for Luminaires Destined for Roads and Public Areas and the PEC, with the objective of identifying the strengths and weaknesses in the formulation of the RTCA and the PEC and allow more efficient planning of activities to support SICA.

The report presents the findings of the review carried out by CLASP. It includes a general description of international best practices in conformity assessment for import economies - relevant to SICA member states - and the result of the review and recommendations for the Conformity Assessment Procedure. It also includes the current trends in the international market of LED luminaires, a general description of the development of MEPS for lighting products and the result of the revision and recommendations of the Technical Regulations.

Day 1: March 25, 2019		
08:30	Registro <i>Registration</i>	
09:00 – 09:30	Palabras de Bienvenida <i>Welcome remarks</i>	Gabriel Velásquez – Ministerio de Energía y Minas (MEM) - Guatemala - PPT-SICA.  Juan Monticelli – Jefe de Sección Organización de los Estados Americanos (OEA)
<b>Generalidades RTCA &amp; PEC</b>		
09:30 – 09:45	Situación Actual - Proceso de aprobación RTCA y PEC.  <u><a href="#">Current situation – RTCA and PEC approval process.</a></u>	Gabriel Velásquez – Ministerio de Energía y Minas (MEM) - Guatemala - PPT-SICA.

09:45 -10:00	RTCA para Luminarios Destinados a Vialidades y Áreas Exteriores Públicas.  <i>RTCA for street lighting luminaires.</i>	José Luis Campos – Consejo Nacional de Energía (CNE) - El Salvador.
10:00 -10:15	Preguntas y Respuestas  Q&A	
10:15 – 10:30	Coffee Break	

<b>Procedimiento de Evaluación de la Conformidad</b>		
10:30 – 11:15	Buenas Prácticas de Evaluación de la Conformidad y Certificación para Economías importadoras. Esquema actual del SICA y Recomendaciones.  <a href="#"><u>Conformity assessment best practices (for import economies), SICA current scheme and recommendations.</u></a>	Ana María Carreño – Expert Consultant - CLASP.  Remote Presentation.
11:15 – 11:30	Preguntas y Respuestas  Q&A	
11:30 – 12:00	Buenas Prácticas en la definición de MEPS (para luminarias).  <a href="#"><u>Best practices in MEPS development (for luminaires).</u></a>	Michael Scholand – Expert Consultant - CLASP.
12:00 – 12:15	Preguntas y Respuestas  Q&A	
12:15 – 12:45	Desarrollo de un registro regional como herramienta para facilitar la evaluación de la conformidad.  <a href="#"><u>Development of a regional product registry to facilitate conformity assessment.</u></a>	Ana María Carreño –Expert Consultant - CLASP.  Remote Presentation.

12:45 – 1:00	Preguntas y Respuestas  Q&A	
1:00 – 2:00	Lunch	
<b>RTCA para Luminarios Destinados a Vialidades y Áreas Exteriores Públicas</b>		
2:00 – 2:30	Revisión del RTCA, consideraciones y recomendaciones.  <a href="#">RTCA revision, considerations and recommendations.</a>	Michael Scholand – Expert Consultant - CLASP
2:30 – 3:00	Preguntas y Respuestas  Q&A	
3:00 – 3:30	Cambios en la Norma Mexicana para Luminarios Destinados a Vialidades y Áreas Exteriores Públicas.  <a href="#">Changes in the Mexican regulation for street lighting luminaires. (1)</a>  <a href="#">RTCA Regulations: Energy Efficiency Technical Group (2)</a>	Norma Morales Martinez- Normalization Director; National Commission for the Efficient use of Energy (CONUEE)
3:30 – 4:15	<a href="#">Testing and Accreditation for LED Lighting Regulations</a>	Yoshihiro Ohno, NIST Fellow and President, International Commission on Illumination (CIE) – Remote Presentation.
4:15 – 4:30	Preguntas y Respuestas  Q&A	
<b>Discusión Abierta</b>		
04:30 – 5:00	Necesidades y Prioridades <i>Priorities &amp; Needs</i>	Energy Efficiency Working Group

Day 2: March 26, 2019		
Sesión de desarrollo plan de trabajo sobre acciones prioritarias		
09:00 – 9:30	Recapitulación del día anterior	Magdalena Navarro- Senior International Affaires Program Manager (NIST)
9:30 – 10:00	Consideraciones técnicas y económicas para la definición de estándares  <a href="#"><i>Technical and economic considerations for standards development</i></a>	Michael Scholand – Expert Consultant - CLASP
10:00 – 10:30	Desarrollo de estudios de mercado/ejemplos  <a href="#"><i>Development of market studies (examples)</i></a>	Michael Scholand / Ana María Carreño  Expert Consultants - CLASP
10:30 – 10:45	Coffee Break	
10:45 – 11:15	Priority Areas Discussion: <b>Procedimiento de Evaluación de la Conformidad</b>	Magdalena Navarro- Senior International Affaires Program Manager (NIST)  Bibiana Serna – Project Manager (OAS)
11:15 – 11:45	Priority Areas Discussion: <b>RTCA para Luminarios Destinados a Vialidades y Áreas Exteriores Públicas</b>	Magdalena Navarro- Senior International Affaires Program Manager (NIST)  Bibiana Serna – Project Manager (OAS)

11:45 – 12:30	Other priorities	Magdalena Navarro- Senior International Affairs Program Manager (NIST)  Bibiana Serna – Project Manager (OAS)
12:30 – 1:00	Closing Remarks	Werner Vargas -Director Ejecutivo de la SG-SICA  Juan Monticelli – Jefe de Sección (OAS)